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FULTON COUNTY
ALL HAZARDS MITIGATION PLAN
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1 | Introduction

1.1 Overview

With the 2015 Fulton County Multi-Jurisdictional Hazard Mitigation Plan set to expire in September of 2020, Fulton County and its constituents are aiming to adopt a new, updated hazard mitigation plan. As outlined in the Disaster Mitigation Act of 2000 (DMA2K), any local jurisdiction seeking funding from the Federal Emergency Management Agency (FEMA) must maintain an up-to-date disaster mitigation plan. This Plan meets the criteria as set forth by FEMA in the DMA2k and provides the County and its participating jurisdictions with a comprehensive guide for future mitigation efforts to combat the hazards that affect their communities.

Natural, geological, and manmade hazards pose a variety of risks to the lives, businesses, and properties within Fulton County. As such, a Core Planning Committee within Fulton County has been established with the goal of developing and implementing the 2020 Fulton County All Hazards Mitigation Plan. Through cooperative efforts between local, county, state, and federal government agencies, this Plan is designed to minimize the adverse effects of hazardous events on the lives and properties of residents of Fulton County.

The 2020 Fulton County All Hazards Mitigation Plan is a multi-jurisdictional plan which considers the impacts of hazards on incorporated areas (cities and villages) and unincorporated areas (townships). Fulton County's incorporated and unincorporated areas are listed below in **Tables 1.1-1.2**. These jurisdictions are also displayed in **Figure 1.1** on the following page. The Plan is designed for a five-year implementation period and describes the methods and procedures utilized in its development, provides the results of community involvement activities such as survey collection, identifies the mitigation activities determined to the be most important to the County, and establishes a timeline for the implementation of the actions.

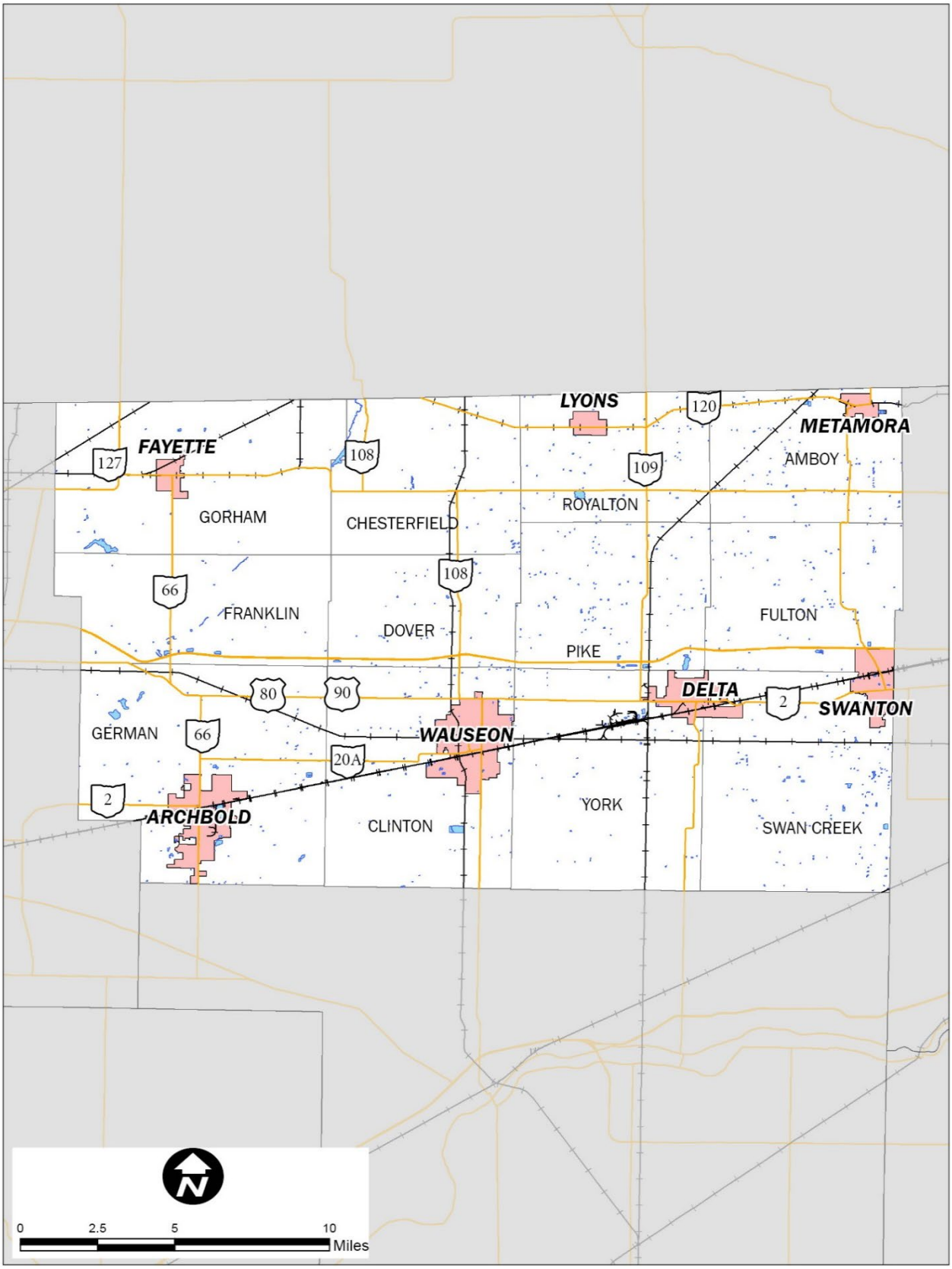
Table 1.1: Fulton County Jurisdictions

Jurisdictions
City of Wauseon
Village of Archbold
Village of Delta
Village of Fayette
Village of Lyons
Village of Metamora
Village of Swanton

Table 1.2: Fulton County Townships

Townships	
Amboy Township	German Township
Chesterfield Township	Gorham Township
Clinton Township	Pike Township
Dover Township	Royalton Township
Franklin Township	Swan Creek Township
Fulton Township	York Township

Figure 1.1 Fulton County Jurisdictions Map



1 | INTRODUCTION

This Plan is comprised of six sections, which detail the methods, analysis, and discussion surrounding the various hazards that threaten Fulton County and its jurisdictions. These sections are as follows:

1. This **Introduction** (Section 1) provides a discussion about the general purpose and goals that Fulton County wishes to achieve throughout the development and implementation of this Plan. This section also includes a summary of the Plan's contents.
2. Section 2, **History and Demographics**, includes a brief description of Fulton County and each of the jurisdictions participating in this Plan, including their history, population, and other general information.
3. The process for the development of this Plan is detailed in Section 3, **Planning Process**. This section includes details about the process used to develop this Plan, including a description of who participated, how the community was involved, which hazards were included in the Plan and why, as well as how the Plan was developed through public meetings, reviews, and evaluations. This section also details the review and incorporation of existing plans, studies, reports, and technical information.
4. Section 4 contains the **Hazard Identification and Risk Assessment (HIRA)**. This section provides detailed descriptions and a corresponding analysis for each hazard that could potentially affect Fulton County. The nature, location, extent, historical impact, vulnerability, and likelihood of occurrence for each hazard are provided for each hazard. These analyses include the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas; an estimate of the potential dollar losses to vulnerable structures; and a general description of land uses and development trends within the community.
5. The goals, strategies, and actions for the County are then outlined in Section 5, **Hazard Mitigation**. The proposed actions are presented in tables, categorized by the associated hazard and community, and then ranked from highest to lowest priority based on feedback received from County officials and participating jurisdictions and stakeholders. Excluded hazards are also documented in this section, along with the rationale for exclusion from the Plan.
6. The final section of this Plan, **Schedule and Maintenance**, provides a summary of the proposed Plan adoption, integration, and maintenance schedule. This section describes how the County will review and revise its plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval within five years in order to continue to be eligible for mitigation project grant funding.

The resulting Fulton County All Hazards Mitigation Plan will be submitted to the Ohio Emergency Management Agency (Ohio EMA) and subsequently FEMA for their review. Following the agency review, the jurisdictions will then review the Plan for adoption. This hazard mitigation plan serves as a helpful tool for citizens, policymakers, local businesses, and other local stakeholders who all share a public interest in keeping Fulton County as safe and resilient as possible. As such, this Plan aims to:

- Minimize property damage, economic loss, injury, and loss of human life – to achieve the Plan's main goal of reducing the impact of natural and manmade hazards on the County's economy and the well-being of its citizens.
- Enhance public awareness and education – to widen the public's understanding of natural and manmade hazards and how they might affect public health and safety, the environment, the local economy, and basic day-to-day operations.
- Coordinate inter-jurisdictional preparedness measures – to encourage and ensure multi-jurisdictional cooperation in County-wide mitigation actions and programs so that they may be implemented efficiently and effectively.

- Provide decision-making tools for interested stakeholders – to formulate a comprehensive, updated analysis of Fulton County's vulnerability to hazards so that decision-makers can better prepare for natural and manmade disasters.
- Achieve regulatory compliance – to ensure that the County and its political subdivisions meet state and federal mitigation planning requirements so that they may be eligible to participate in and receive funding from grant programs, policies, and regulations.

1.2 Setting

Fulton County is located in the northwest region of Ohio and borders the State of Michigan to the north. The County has a total area of approximately 407 square miles and contains one city, six villages and 16 townships (**Table 1.2**, above). The City of Wauseon serves as the County seat. Fulton County is bounded by five counties: Lenawee County (Michigan) to the north, Hillsdale County (Michigan) to the northwest, Lucas County to the east, Henry County to the south, Williams County to the west.

Land use patterns in Fulton County are consistent with similar rural counties in Ohio. There are seven land uses in Fulton County, including agriculture, industrial, commercial, residential, government owned and exempt, oil and gas, and other. (**Figure 1.2**). The most common land use in the County is agriculture. Land cover in Fulton County is shown in **Figure 1.3**. Land cover types include crops, bare/mines, urban, deciduous forest, evergreen forest, wetlands, open water, and pasture.

1.3 County Features

1.3.1 Transportation

Fulton County contains many major roadways, including Interstates (I), US Routes (US), and State Routes (SR). Notably, the County is bisected by the Ohio Turnpike, I-80. Additional major roadways in Fulton County include: US-20, US-127, SR-2, SR-64, SR-66, SR-108, SR-109, and SR-120.

Fulton County contains 56.5 miles of US routes, 83.9 miles of state routes, and 26.2 miles of the Ohio Turnpike (I-80/I-90). 59.5 miles of road within the County are part of the National Highway System. Additionally, the County contains 363.5 miles of county roads, 383.8 miles of township roads, and 111.8 miles of municipal roads, which amounts to nearly 859 miles of local roads.

The Federal Aviation Administration (FAA) has record of four aviation facilities in Fulton County, including three airports and one heliport. The Fulton County Airport is a publicly owned airport located four to five miles north of the City of Wauseon. Two additional privately-owned airports are located in the Villages of Archbold and Lyons. The one heliport in the County is located at the Fulton County Health Center.

The Ohio Department of Transportation (ODOT) has record of two active rail lines in Fulton County. The Norfolk Southern Railway traverses the County from east to west while the Indiana & Ohio Railway travels north to south. The two rail lines transect each other west of the Village of Delta.

Figure 1.2: Fulton County Land Use Map

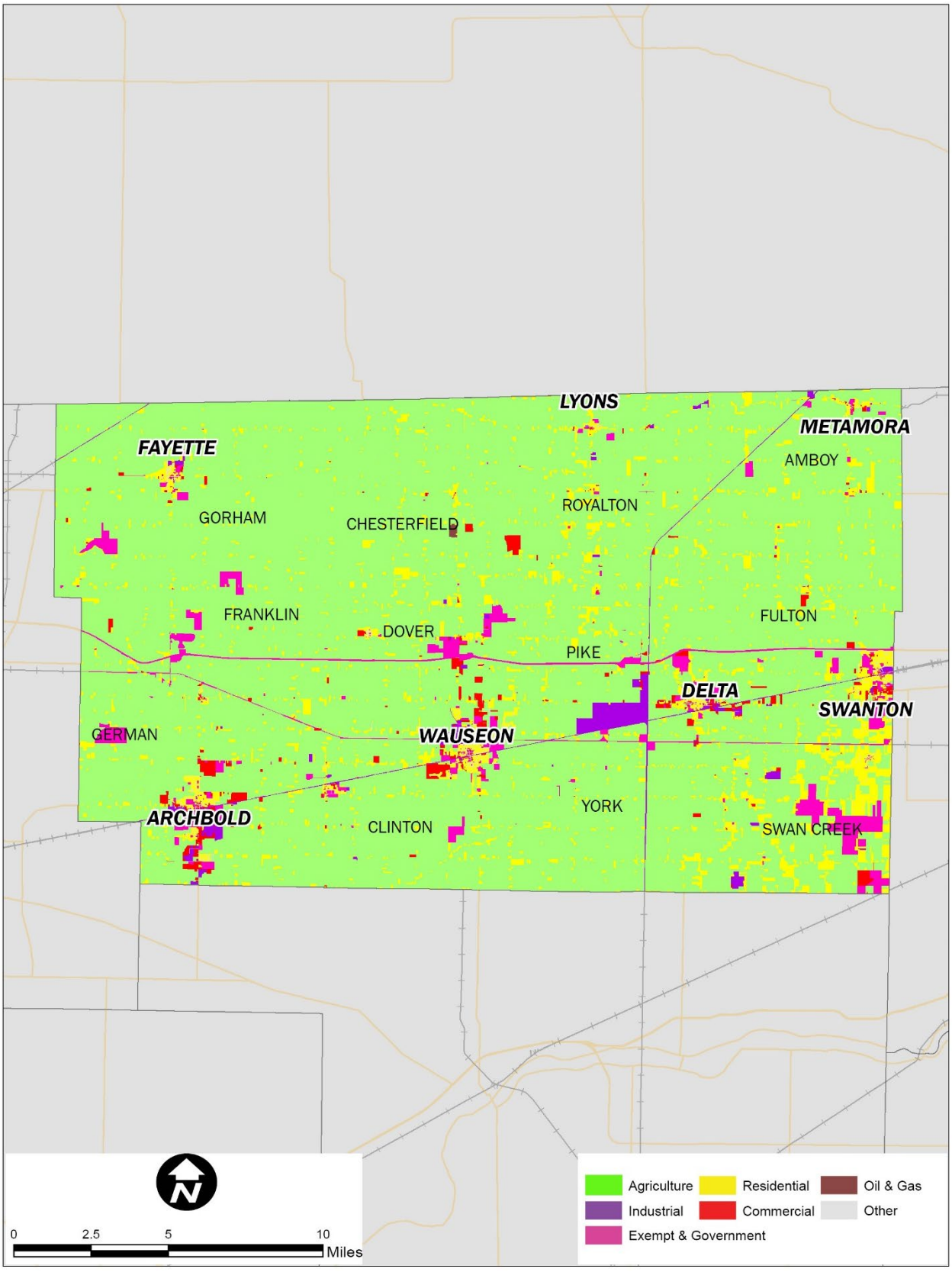
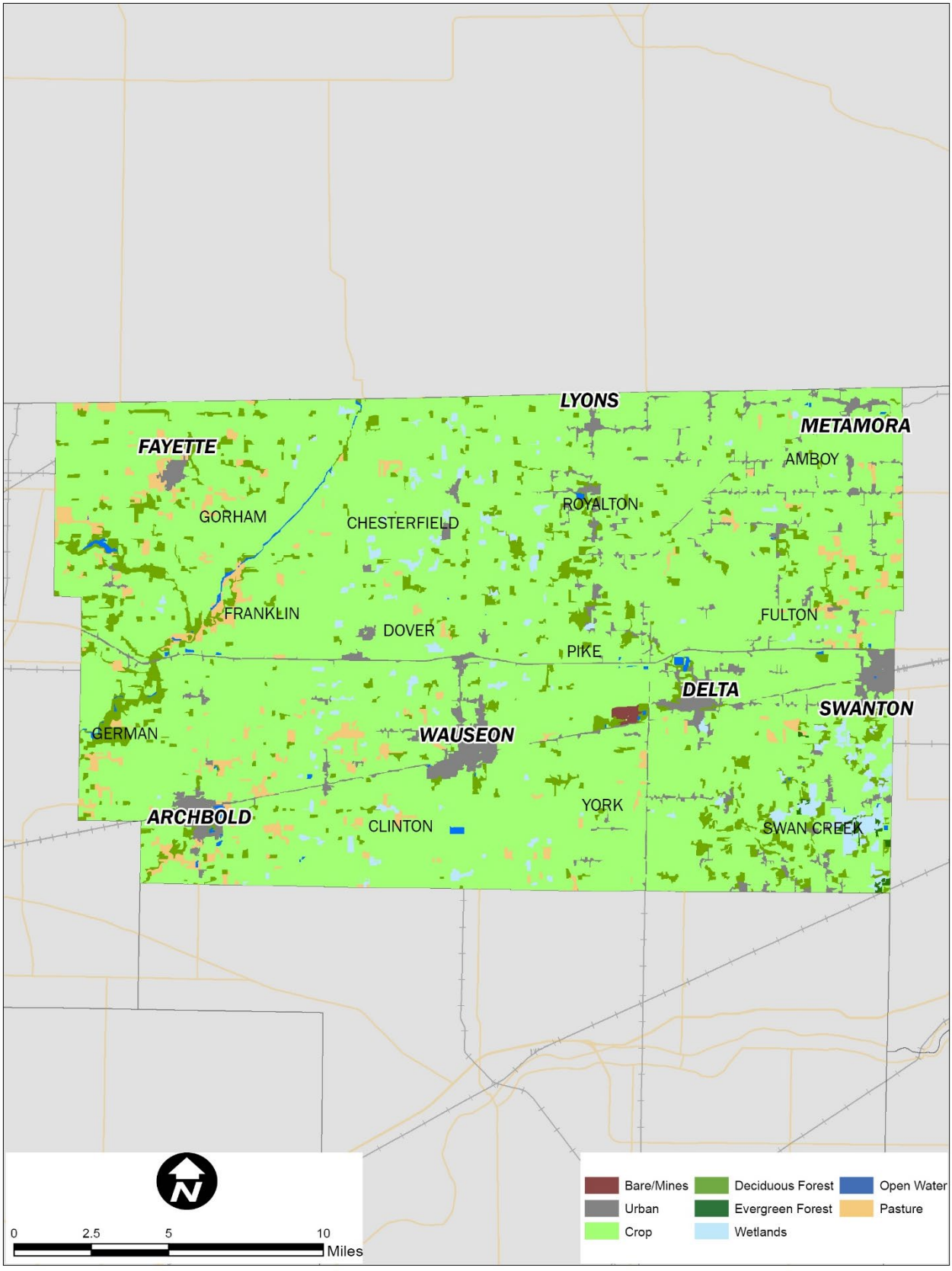


Figure 1.3: Fulton County Landcover Map



1.3.2 Natural Features

Fulton County's principal streams and rivers were identified in Fulton County's 2012 Water Supply and Demand Analysis Report. **Table 1.3**, below, lists the drainage areas and for principal streams in the County.

Table 1.3: Fulton County Principal Streams and Drainage Areas

Stream	Drainage Area (mi^2)	Notes
Tiffin River	410	Above Stryker, Ohio
*Bean Creek-North	206	Portion north of US-20
*Bean Creek - Combined	246	Above Mill Creek
*Old Bean Creek	33.3	Above Bean Creek
*Mill Creek	31.8	Above Tiffin River
*Bates Creek	12.3	Above Tiffin River
Brush Creek	65.7	Above Tiffin River
North Turkeyfoot Creek	75.3	Above Maumee River
Dry Creek	27.7	Above Maumee River
Bad Creek	64.7	Above Maumee River
Blue Creek	44.8	Above Swan Creek
Swan Creek	45.1	Above Blue Creek
Ai Creek	50.6	Above Swan Creek
Ten Mile Creek	39.9	Above Prairie Ditch
Bear Creek	26.5	Above Fulton County Line
Maumee River	5,545	USGS Gage near Defiance, Ohio

*Streams that are tributaries to Tiffin River, upstream of the USGS Gage at Stryker.

In addition to these principal streams, Fulton County is home to Goll Woods, which preserves 321 acres of old-growth woods about one to two miles north of the Village of Archbold. According to the ODNR, Goll Woods is the least disturbed woodland known to remain in extreme northwestern Ohio and features some of the largest trees remaining in the State of Ohio.

Finally, Maumee State Forest is located south of the Village of Swanton in Fulton, Henry, and Lucas counties. This 3,194-acre forest contains eight miles of bridle trails, seven miles of all-purpose vehicle (APV) trails, a windbreak arboretum, a tree improvement area, and a wet-sedge area.

2 | History and Demographics

2.1 History

Fulton County, Ohio was established in February 1850 after settlers started inhabiting townships within the County in the 1830s. The County was named in honor of Robert Fulton, who invented the first economically-viable, commercial steamboat. Originally, the County was part of the Northwest Territory and consisted mostly of the Great Black Swamp. Early settlers harvested timber and worked in the transportation industry. Once man-made ditches and drainage allowed for the swamp to be drained, the County's land became suitable for farming. As such, the area became populated with farmers.

The Maumee Valley Planning Organization's Comprehensive Economic Development Strategy identified two eras of major growth in Fulton County. The first era occurred in the second half of the 1800s, when canals and railroads were built allowing for the export of lumber and agricultural products. The second growth period occurred between the 1940s and 1980s, when the food and automotive sectors experienced significant industrial growth.

The City of Wauseon, the County's largest municipality and only city, was laid out in March 1854 and named for a Chief of the Ottawa Nation. Later that year, the first railroad cars passed through Wauseon. In 1869, the City of Wauseon became the County Seat.

The Fulton County Historical Society is a non-profit charitable organization dedicated to helping the County utilize its heritage to promote tourism while collecting, preserving, and interpreting its local cultural, historical, and natural resources. As such, the Historical Society manages several destinations in the County, including the Museum of Fulton County (**Figure 2.1**), the History Manor, the Wauseon Railroad Depot, Canfield Cabin, and the Reighard Blacksmith Shop.

Figure 2.1: Museum of Fulton County

2.2 Communication Outlets

Additional County communication outlets including websites, television, and social media are listed in **Table 2.1**, below:

Table 2.1: Communication Outlets and Social Media

Communication Type	Source
Website	https://www.fultoncountyoh.com/
Twitter	https://twitter.com/FultonCounty_OH
Facebook	https://www.facebook.com/fultoncountyohio/
Instagram	https://www.instagram.com/fultoncountyohio/
Newspaper	Fulton County Expositor (https://www.fcnews.org/) Archbold Buckeye (https://www.archboldbuckeye.com/)
Radio	90.3 WBCL-FM
	96.1 WMTR-FM

2.3 Demographics Overview

Table 2.2, below, provides a summary of the total population changes that have occurred in Fulton County between the 2010 US Census and the 2017 American Community Survey (ACS). According to the US Census, Fulton County's population declined by 402 people (0.94 percent) between 2010 and 2017. Additionally, all but four townships also experienced population decline. The four townships with population growth included Dover, Fulton, Gorham, and Royalton townships. Of the townships experiencing population decline, Franklin Township experienced the greatest population decline, with a decrease of 250 people (33.65 percent).

Table 2.2: County/Township population growth estimates between 2010 Census and 2017 ACS

County/Township	Total Population 2010 Census	Total Population 2017 ACS	2010-2017	
			Population Change	Percent Change
Fulton County	42,698	42,296	-402	-0.94%
Amboy Township	1,846	1,719	-127	-6.88%
Chesterfield Township	1,012	913	-99	-9.78%
Clinton Township	9,554	9,527	-27	-0.28%
Dover Township	1,578	1,699	121	7.67%
Franklin Township	743	493	-250	-33.65%
Fulton Township	3,182	3,195	13	0.41%
German Township	6,443	6,400	-43	-0.67%
Gorham Township	2,260	2,402	142	6.28%
Pike Township	1,854	1,822	-32	-1.73%
Royalton Township	1,515	1,570	55	3.63%
Swan Creek Township	8,566	8,487	-79	-0.92%
York Township	4,145	4,069	-76	-1.83%

2.4 Fulton County

Tables 2.3 to 2.5 summarize Fulton County's population, housing statistics, and income statistics. The tables show that the County's population declined by 402 people (0.9 percent) from 2010 to 2017. For housing units, the County had a combined owned and rental housing vacancy rate of 6.2 percent. Related to income, the largest percentage of households (20.2 percent) had an income between $50,000 and $74,999; approximately 8.1 percent of households had an annual income of less than $15,000.

Table 2.3: Fulton County Population Totals 2010-2017

Year & Source	Population Total
2010 Census	42,698
2011 ACS Estimate	42,702
2012 ACS Estimate	42,635
2013 ACS Estimate	42,601
2014 ACS Estimate	42,541
2015 ACS Estimate	42,485
2016 ACS Estimate	42,466
2017 ACS Estimate	42,296

Table 2.4: Fulton County Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	17,482
Occupied Housing Units (Owned & Rented)	16,404
Vacant Housing Units (Owned & Rented)	1,078
Vacancy Rate of Owned & Rented Housing	6.2%

Table 2.5: Fulton County Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	566
$10,000 to $14,999	766
$15,000 to $24,999	1,428
$25,000 to $34,999	1,865
$35,000 to $49,999	2,481
$50,000 to $74,999	3,314
$75,000 to $99,999	2,556
$100,000 to $149,999	2,259
$150,000 to $199,999	834
$200,000 or more	335
Median Household Income	$57,774
Mean Household Income	$71,844

2.5 City of Wauseon

Tables 2.6 to 2.8 summarize the City of Wauseon's population, housing statistics, and income statistics. The tables show that the City's population declined by 257 people (3.5 percent) from 2010 to 2017. For housing units, the City had a combined homeowner and rental vacancy rate of 6.4 percent, which is 0.2 percent greater than that of the County. Related to income, like the County, the largest percentage of households (19.0 percent) had an income between $50,000 and $74,999; 13.5 percent of households had an annual income of less than $15,000.

Table 2.6: City of Wauseon Population Totals 2010-2017

Year & Source	Population Total
2010 Census	7,332
2011 ACS Estimate	7,175
2012 ACS Estimate	7,229
2013 ACS Estimate	6,803
2014 ACS Estimate	6,953
2015 ACS Estimate	7,179
2016 ACS Estimate	7,059
2017 ACS Estimate	7,075

Table 2.7: City of Wauseon Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	3,007
Occupied Housing Units (Owned & Rented)	2,816
Vacant Housing Units (Owned & Rented)	191
Vacancy Rate of Owned & Rented Housing	6.4%

Table 2.8: City of Wauseon Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	190
$10,000 to $14,999	189
$15,000 to $24,999	221
$25,000 to $34,999	439
$35,000 to $49,999	402
$50,000 to $74,999	536
$75,000 to $99,999	395
$100,000 to $149,999	243
$150,000 to $199,999	190
$200,000 or more	11
Median Household Income	$47,885
Mean Household Income	$59,762

2.6 Village of Archbold

Tables 2.9 to 2.11 summarize Village of Archbold's population, housing statistics, and income statistics. The tables show that the Village's population remained relatively constant from 2010 to 2017, compared with other jurisdictions and the County as a whole. For housing units, the Village had a lower combined homeowner and rental vacancy rate than the County (5.2 percent). Related to income, the largest percentage of households (21.7 percent) had an income between $50,000 and $74,999; 11.0 percent of households had an annual income of less than $15,000.

Table 2.9: Village of Archbold Population Totals 2010-2017

Year & Source	Population Total
2010 Census	4,346
2011 ACS Estimate	4,217
2012 ACS Estimate	4,197
2013 ACS Estimate	4,358
2014 ACS Estimate	4,374
2015 ACS Estimate	4,304
2016 ACS Estimate	4,368
2017 ACS Estimate	4,343

Table 2.10: Village of Archbold Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	1,832
Occupied Housing Units (Owned & Rented)	1,736
Vacant Housing Units (Owned & Rented)	96
Vacancy Rate of Owned & Rented Housing	5.2%

Table 2.11: Village of Archbold Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	92
$10,000 to $14,999	99
$15,000 to $24,999	190
$25,000 to $34,999	197
$35,000 to $49,999	254
$50,000 to $74,999	377
$75,000 to $99,999	182
$100,000 to $149,999	217
$150,000 to $199,999	69
$200,000 or more	59
Median Household Income	$53,106
Mean Household Income	$66,964

2.7 Village of Delta

Tables 2.12 to 2.14 summarize Village of Delta's population, housing statistics, and income statistics. The tables show that the Village's population increased by 75 people (2.4 percent) from 2010 to 2017. For housing units, the Village had a similar combined homeowner and rental vacancy rates to the County (6.2 percent). Related to income, the largest percentage of households (20.6 percent) had an income between $75,000 and $99,999; 7.2 percent of households had an annual income of less than $15,000.

Table 2.12: Village of Delta Population Totals 2010-2017

Year & Source	Population Total
2010 Census	3,103
2011 ACS Estimate	3,020
2012 ACS Estimate	3,039
2013 ACS Estimate	3,121
2014 ACS Estimate	3,464
2015 ACS Estimate	3,350
2016 ACS Estimate	3,271
2017 ACS Estimate	3,178

Table 2.13: Village of Delta Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	1,385
Occupied Housing Units (Owned & Rented)	1,299
Vacant Housing Units (Owned & Rented)	86
Vacancy Rate of Owned & Rented Housing	6.2%

Table 2.14: Village of Delta Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	11
$10,000 to $14,999	82
$15,000 to $24,999	152
$25,000 to $34,999	90
$35,000 to $49,999	220
$50,000 to $74,999	217
$75,000 to $99,999	268
$100,000 to $149,999	221
$150,000 to $199,999	19
$200,000 or more	19
Median Household Income	$60,927
Mean Household Income	$67,510

2.8 Village of Fayette

Tables 2.15 to 2.17 summarize Village of Fayette's population, housing statistics, and income statistics. The tables show that the Village's population increased by 233 people (18.2 percent) from 2010 to 2017, making it the municipality with the greatest growth during that time. For housing units, the Village had a higher combined homeowner and rental vacancy rate than the County (7.2 percent). Related to income, the largest percentage of households (24.5 percent) had an income between $50,000 and $74,999; 10.0 percent of households had an annual income of less than $15,000.

Table 2.15: Village of Fayette Population Totals 2010-2017

Year & Source	Population Total
2010 Census	1,283
2011 ACS Estimate	1,305
2012 ACS Estimate	1,291
2013 ACS Estimate	1,285
2014 ACS Estimate	1,372
2015 ACS Estimate	1,384
2016 ACS Estimate	1,461
2017 ACS Estimate	1,516

Table 2.16: Village of Fayette Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	665
Occupied Housing Units (Owned & Rented)	617
Vacant Housing Units (Owned & Rented)	48
Vacancy Rate of Owned & Rented Housing	7.2%

Table 2.17: Village of Fayette Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	39
$10,000 to $14,999	23
$15,000 to $24,999	103
$25,000 to $34,999	82
$35,000 to $49,999	104
$50,000 to $74,999	151
$75,000 to $99,999	85
$100,000 to $149,999	23
$150,000 to $199,999	7
$200,000 or more	0
Median Household Income	$44,120
Mean Household Income	$47,937

2.9 Village of Lyons

Tables 2.18 to 2.20 summarize Village of Lyons's population, housing statistics, and income statistics. The tables show that the Village's population declined by 155 people (27.6 percent) from 2010 to 2017, making it the municipality with the greatest decrease in population during that time. For housing units, the Village had an approximate combined vacancy rate of 6.0 percent, which is slightly lower than that of the County. Related to income, the largest percentage of households (21.8 percent) had an income between $50,000 and $74,999; 7.4 percent of households had an annual income of less than $15,000.

Table 2.18: Village of Lyons Population Totals 2010-2017

Year & Source	Population Total
2010 Census	562
2011 ACS Estimate	436
2012 ACS Estimate	481
2013 ACS Estimate	496
2014 ACS Estimate	467
2015 ACS Estimate	492
2016 ACS Estimate	465
2017 ACS Estimate	407

Table 2.19: Village of Lyons Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	215
Occupied Housing Units (Owned & Rented)	202
Vacant Housing Units (Owned & Rented)	13
Vacancy Rate of Owned & Rented Housing	6.0%

Table 2.20: Village of Lyons Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	6
$10,000 to $14,999	9
$15,000 to $24,999	36
$25,000 to $34,999	23
$35,000 to $49,999	30
$50,000 to $74,999	44
$75,000 to $99,999	42
$100,000 to $149,999	8
$150,000 to $199,999	4
$200,000 or more	0
Median Household Income	$49,250
Mean Household Income	$52,128

2.10 Village of Metamora

Tables 2.21 to 2.23 summarize Village of Metamora's population, housing statistics, and income statistics. The tables show that the Village's population decreased by 35 people (-5.6 percent) from 2010 to 2017. For housing units, the Village had a combined homeowner and rental vacancy rate of 7.6 percent, which is higher than the combined vacancy rate of the County. Related to income, the largest percentage of households (19.8 percent) had an income between $35,000 and $49,999; 7.8 percent of households had an annual income of less than $15,000.

Table 2.21: Village of Metamora Population Totals 2010-2017

Year & Source	Population Total
2010 Census	627
2011 ACS Estimate	732
2012 ACS Estimate	687
2013 ACS Estimate	675
2014 ACS Estimate	574
2015 ACS Estimate	673
2016 ACS Estimate	592
2017 ACS Estimate	592

Table 2.22: Village of Metamora Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	262
Occupied Housing Units (Owned & Rented)	242
Vacant Housing Units (Owned & Rented)	20
Vacancy Rate of Owned & Rented Housing	7.6%

Table 2.23: Village of Metamora Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	4
$10,000 to $14,999	15
$15,000 to $24,999	24
$25,000 to $34,999	41
$35,000 to $49,999	48
$50,000 to $74,999	36
$75,000 to $99,999	41
$100,000 to $149,999	26
$150,000 to $199,999	7
$200,000 or more	0
Median Household Income	$45,000
Mean Household Income	$59,718

2.11 Village of Swanton

Tables 2.24 to 2.26 summarize Village of Swanton's population, housing statistics, and income statistics. The tables show that the Village's population decreased by 23 people (-0.6 percent) from 2010 to 2017. For housing units, the Village had a combined homeowner and rental vacancy rate of 3.6 percent, which is less than that of the County. Related to income, the largest percentage of households (19.0 percent) had an income between $75,000 and $99,999; 6.9 percent of households had an annual income of less than $15,000.

Table 2.24: Village of Swanton Population Totals 2010-2017

Year & Source	Population Total
2010 Census	3,690
2011 ACS Estimate	3,581
2012 ACS Estimate	3,437
2013 ACS Estimate	3,477
2014 ACS Estimate	3,899
2015 ACS Estimate	4,040
2016 ACS Estimate	3,755
2017 ACS Estimate	3,667

Table 2.25: Village of Swanton Housing Statistics 2017 Estimate

Housing Statistics	Number
Total Housing Units	1,419
Occupied Housing Units (Owned & Rented)	1,367
Vacant Housing Units (Owned & Rented)	52
Vacancy Rate of Owned & Rented Housing	3.6%

Table 2.26: Village of Swanton Income Statistics 2017 Estimate

Household Income Statistics	Number of Households
Less than $10,000	85
$10,000 to $14,999	9
$15,000 to $24,999	166
$25,000 to $34,999	159
$35,000 to $49,999	209
$50,000 to $74,999	235
$75,000 to $99,999	260
$100,000 to $149,999	237
$150,000 to $199,999	0
$200,000 or more	7
Median Household Income	$57,446
Mean Household Income	$62,424

3 | Planning Process

3.1 Methodology

The Planning Process chapter describes the steps involved in the development of the Fulton County Hazard Mitigation Plan, including details about who participated, how community involvement was organized and promoted throughout the community, what hazards were included in the Plan and why, as well as how stakeholder involvement played a critical role in the planning process. This chapter also explains how the Core Planning Committee was formed and how member feedback contributed to the updating of the County's Hazard Mitigation Plan.

3.2 Existing Plans and Regulations

Fulton County and the State of Ohio maintains several plans and tools that were pertinent to reference in the development of the 2020 Hazard Mitigation Plan, including:

- 2015 Fulton County Multi-Jurisdictional Natural Hazard Mitigation Plan
- 2019 State of Ohio Hazard Mitigation Plan (SOHMP)
- Fulton County Comprehensive Development Plan
- Fulton County Flood Damage Prevention Regulations
- Fulton County Health Department Emergency Plans
- Fulton County Water Supply and Demand Analysis Report

3.3 Fulton County Authority to Adopt Plan

Table 3.1 lists the existing authorities and regulations in plan in Fulton County and its municipalities. While each jurisdiction maintains commercial building codes, the City of Wauseon is the only entity with residential building codes.

Table 3.1: Existing Authorities and Regulations in Fulton County's Municipalities

Community	Planning Commission	Comprehensive Plan	Floodplain Regulation	Building Codes	Zoning Ordinances	Capital Budget	Public Works Budget
Fulton County	Yes	Yes	Yes	Yes	Yes	General Fund	General Fund
City of Wauseon	Yes	County Shared	Yes	Yes	Yes	General Fund	General Fund
Village of Archbold	Yes	County Shared	Yes	Yes	Yes	General Fund	General Fund
Village of Delta	Yes	County Shared	Yes	Yes	Yes	General Fund	General Fund
Village of Fayette	Yes	County Shared	Yes	Yes	Yes	General Fund	General Fund
Village of Lyons	No	County Shared	No	No	Yes	General Fund	General Fund
Village of Metamora	Yes	County Shared	No	No	Yes	General Fund	General Fund
Village of Swanton	Yes	County Shared	Yes	Yes	Yes	General Fund	General Fund

3.4 Notification Process

Core Planning Committee members were invited to participate at the beginning of the planning process through a Kickoff Meeting announcement. Prior to each additional meeting, members of the Core Planning Committee were invited to participate via an email notification. Additionally, press releases were issued via *The Fulton County Expositor* and *The Archbold Buckeye*. Representatives from the following entities were invited to participate in the planning process. Additionally, **Table 3.2** lists the participating jurisdictions and representatives and how they participated.

Fulton County

- Fulton County Commissioners
- Fulton County EMA
- Fulton County Emergency Medical Services
- Fulton County Engineer
- Fulton County GIS
- Fulton County Health Department
- Fulton County Regional Planning Commission
- Fulton County Sheriff's Office
- Fulton County Soil & Water Conservation District
- Fulton County Visitor's Bureau

City and Village Members

- City of Wauseon
- Village of Archbold
- Village of Delta
- Village of Fayette
- Village of Lyons
- Village of Metamora
- Village of Swanton

Township Members

- Amboy Township
- Chesterfield Township
- Clinton Township
- Dover Township
- Franklin Township
- Fulton Township
- German Township
- Gorham Township
- Pike Township
- Royalton Township
- Swan Creek Township
- York Township

Local Schools and Universities

- Evergreen Local Schools
- Swanton Schools
- Wauseon Schools
- OSU Extension

Private/Nonprofit Organizations

- Fairlawn Haven
- First Energy
- Fulton County Economic Development Corporation
- Museum of Fulton County
- Norfolk Southern Railroad
- North Clinton Church
- Red Cross
- Sauder Woodworking
- Swanton Healthcare
- United Way of Fulton County
- Worthington Industries

Other County and State Agencies

- Defiance County EMA
- Ohio Department of Transportation
- Wood County Building Officer

Table 3.2: Participating Jurisdictions

Community/Organization	Representative(s)	Meetings Attended
County		
Fulton County EMA	Rebecca Goble, Director Peggy Volkman, Assistant	1, 2
Fulton County Commissioners	Bill Rufenacht, Commissioner Jon Rupp, Commissioner Lauren Lester, Director of Marketing and Communication	1, 2
Fulton County GIS	Scott Yoder, GIS	1, 2
Fulton County Emergency Management Services	Clayton O'Brien, EMS Coordinator	1
Fulton County Engineers	B.S. Abbott, Highway Superintendent	1
Fulton County Health Center	Sharon Morr, Director Britney Ward, Director of CCHP Carrie Sigg, Emergency Preparedness	1, 2
Fulton County Health Department	Kim Cupp, Health Commissioner Patricia Wiemken, EH Director Scott Strahl, Planner Rachel Kinsman, Health Educator	1, 2
Fulton County Regional Planning	Dennis Milton, Director	1
Fulton County Soil & Water Conservation District	Kim Bowles, District Administrator	1, 2
Fulton County Sheriff's Office	Roy Miller, Sheriff Richard Kilgour, 911 Coordinator	1, 2
Fulton County Public Utilities	Ziad Musallam, Director	2
Fulton County Visitors Bureau	Julie Brink, Coordinator	1, 2
Cities & Villages		
City of Wauseon	Bill Drummer, Director of Chamber of Commerce Kevin Chittenden, Police Chief Brittany Roof, Fire Dept. Administrator Keith Torbet, Public Service Director Troy Armstrong, Wauseon Schools	1, 2
Village of Archbold	Lee Wixom, Police Donna Dettling, Administrator David Davis, Fire Chief Dexter Krueger, Asst. Village Engineer	1, 2
Village of Delta	Scott Smith, Fire Chief	1, 2
Village of Fayette	Jason Simon, Police Genna Biddix, Administrator Angie Belcher, Fayette Schools	1, 2
Village of Lyons	Mark Bryson, Village Council Member	1, 2
Village of Metamora	Brooke Smith, Village Council Member John Pupos, Village Council Member	*

Community/Organization	Representative(s)	Meetings Attended
Village of Swanton	Ann Roth, Mayor Anthony C. Schaffer, Deputy Fire Chief Paul Dyzak, President of Village Council Chris Lake, Swanton Schools	1, 2

These representatives were unable to attend the Core Planning Committee meetings in person, so they participated via the online surveys, as documented in **Appendix F.*

Core Planning Committee members were invited to participate at the beginning of the planning process through a Kickoff Meeting announcement which was sent out via email. Prior to each additional meeting, members of the Core Planning Committee were invited to participate via an email notification. Members of the public were encouraged to attend public meetings through press releases and social media announcements.

In addition to these members of the Core Planning Committee, Mike Rudey, Wood County Building Inspector, participated in the planning process by attending the second Core Planning Committee meeting.

3.5 Meetings

The following section details the meetings that took place during the planning process. Documentation of each meeting, including newspaper postings, email announcements and attachments, meeting materials, and completed surveys can be found in **Appendix F**.

3.5.1 Core Planning Committee Kick-off

A Kickoff Announcement was emailed to stakeholders on August 27, 2019, inviting them to participate in the 2020 Fulton County All Hazards Mitigation Plan update process as part of the Core Planning Committee. The Announcement outlined the following details regarding the planning process:

- Goals of the Hazard Mitigation Plan.
- A summary of who is involved in the planning process.
- Federal requirements of the hazard mitigation planning process.
- An overview of the hazard mitigation planning process.
- The proposed schedule for the Fulton County Plan update.
- The role of the Core Planning Committee in the update process.
- Contact information for both Fulton County EMA and Burton Planning Services.
- Dates and times of the Core Planning Meetings.

3.5.2 Core Planning Committee Meeting 1

The first Core Planning Committee meeting took place on Tuesday, October 15, 2019 at 2:30 PM at the Fulton County Emergency Management Office (8848 State Highway 108, Wauseon, OH 43567). A total of 44 people attended, including two representatives from the Fulton County Emergency Management Agency and two representatives from Burton Planning Services.

The meeting began with a brief introduction from Anna van der Zwaag, Associate Planner at Burton Planning Services. Ms. van der Zwaag then guided the attendees through a presentation which detailed the hazard mitigation planning process, including requirements of the planning process,

potential hazards that could be addressed, benefits of hazard mitigation planning, and potential types of projects that could be federally funded as a result of the hazard mitigation plan.

Ms. van der Zwaag also described the role that the Core Planning Committee would serve in the development of the 2020 Fulton County All Hazards Mitigation Plan.

Following the completion of the presentation, Ms. van der Zwaag guided the attendees through the following surveys:

Goals Survey:
The purpose of this survey was to reflect on the goals included in the 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to determine if they were still relevant to the 2020 Plan. Each attendee reviewed the previous goals and determined if they were still applicable, provided comments or edits to the goals that needed changed, and generated new goals to potentially be included in the Plan.

Hazard Priority Survey:
The purpose of this survey was to review all hazards that could be included in the 2020 All Hazards Mitigation Plan and prioritize them. As such, attendees were asked to rate each hazard on a scale of zero to five, with five meaning the hazard poses the greatest possible threat to the County or their community and zero meaning the hazard should not be included in the 2020 Plan. Attendees rated hazards that were included in the 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan, as well as all potential hazards that could be included in the 2020 Plan.

Following the completion of this survey, Ms. van der Zwaag guided a discussion on which hazards were deemed most important and which hazards attendees did not think needed to be included. Several attendees indicated it would be important to discuss train derailment, and other representatives mentioned their desire for including Epidemic as a hazard.

Previous Mitigation Actions Status Survey
The purpose of the Previous Mitigation Actions Survey was to have attendees review the mitigation actions that were included in the 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan, reflect on the status of each action, and determine if that action should be included in the 2020 All Hazards Mitigation Plan.

3.5.3 Public Meeting 1

The first Public Meeting took place on Tuesday, October 15, 2019 at 4:30 at the Fulton County Emergency Management Office (8848 State Highway 108, Wauseon, OH 43567). A total of 13 people attended, including two representatives from the Fulton County Emergency Management Agency and two representatives from Burton Planning Services.

The meeting began with a brief introduction from Anna van der Zwaag, Associate Planner at Burton Planning Services. Ms. van der Zwaag then guided the attendees through a presentation which detailed the hazard mitigation planning process, including requirements of the planning process, potential hazards that could be addressed, benefits of hazard mitigation planning, and potential types of projects that could be federally funded as a result of the hazard mitigation plan.

Following the completion of the presentation, Ms. van der Zwaag guided the attendees through the Goals Survey, the Hazard Priority Survey, and the Previous Mitigation Action Status and Scoring Matrix, which are described above.

Several attendees at the Public Meeting were members of the Core Planning Committee who were unable to attend the 2:30 PM meeting on the same day. These members included representatives of jurisdictions within Fulton County.

3.5.4 Core Planning Committee Meeting 2

The second Core Planning Committee meeting took place on Tuesday, November 19, 2019 at 2:30 PM at the Fulton County Emergency Management Office (8848 State Highway 108, Wauseon, OH 43567). A total of 38 people attended, including two representatives from the Fulton County Emergency Management Agency and two representatives from Burton Planning Services.

The meeting began with a brief introduction from Anna van der Zwaag, Associate Planner at Burton Planning Services. Ms. van der Zwaag then guided the attendees through a presentation which provided an update on the hazard mitigation planning process, including requirements of the planning process, and results from the Hazard Priority survey distributed at the previous meeting.

Following the completion of the presentation, Ms. van der Zwaag guided the attendees through the Mitigation Actions Scoring Matrix, which determines the mitigation actions attendees would like to see in their community to mitigate the impacts of hazards. Attendees were provided a list of proposed mitigation actions and were asked if the action was relevant to their community. If attendees indicated that the mitigation action was relevant, attendees were asked to score the mitigation action in five areas: cost effective, technically feasible, environmentally sound, immediate need, and total risk reduction. These scores will be used to determine the priority of all mitigation actions included in the 2020 All Hazards Mitigation Plan.

3.5.5 Public Meeting 2

The second Public Meeting took place on Tuesday, November 19, 2019 at 4:30 PM at the Fulton County Emergency Management Office (8848 State Highway 108, Wauseon, OH 43567). A total of five people attended, including two representatives from the Fulton County Emergency Management Agency and two representatives from Burton Planning Services.

The meeting began with a brief introduction from Anna van der Zwaag, Associate Planner at Burton Planning Services. Ms. van der Zwaag then guided the attendees through a presentation which provided an update on the hazard mitigation planning process, including requirements of the planning process, and results from the Hazard Priority survey distributed at the previous meeting.

Following the completion of the presentation, Ms. van der Zwaag guided the attendees through a Mitigation Actions Scoring Matrix, which determines the mitigation actions attendees would like to see in their community to mitigate the impacts of hazards. Attendees were provided a list of proposed mitigation actions and were asked if the action was relevant to their community. If attendees indicated that the mitigation action was relevant, attendees were asked to score the mitigation action in five areas: cost effective, technically feasible, environmentally sound, immediate need, and total risk reduction. These scores will be used to determine the priority of all mitigation actions included in the 2020 All Hazards Mitigation Plan.

3.6 Public Comment Period

The 2020 Fulton County All Hazards Mitigation Plan will be made available to the public and Core Planning Committee for review for a 15-day public comment period beginning February 10, 2020. Hard copies of the Hazard Mitigation Plan will be made available for review in-person at the Fulton County EMA office, and a digital Draft Plan will be made available online. Both physical and digital surveys will be provided to the public and the Core Planning Committee for their comments on the Plan.

3.7 Planning Process

Stakeholder and public input were essential for determining the hazard prioritization, as well as which hazards were included or excluded from the Plan. Based on feedback from the Core Planning Committee, it was determined that hurricanes or tropical storms were not hazards of concern to Fulton County and its communities. As such, these hazards were not included in the plan outright. If remnants of a hurricane or tropical storm were witnessed in the County, those narratives are included in Severe Summer Storms. Other hazards, such as coastal erosion and coastal flooding are not applicable to Fulton County and have not been included in previous hazard mitigation plans, nor were they included in this plan. More details about how survey feedback assisted in the determination of which hazards to exclude can be found in **Chapter 5, Hazard Mitigation**.

Chapter 4, Hazard Identification and Risk Assessment, follows this chapter. Please note that **Chapter 4** is organized alphabetically and not in order of risk. The ranking of hazard priorities can be found in **Chapter 5, Hazard Mitigation**.

4 | Hazard Risk Assessment

4.1 Dam Failure

4.1.1 Description

FEMA defines a dam as "any artificial barrier of at least a minimum size, including appurtenant works, that impounds or diverts water or liquid-borne solids on a temporary or long-term basis." Dam failure occurs when impounded water is suddenly released in an uncontrollable manner. A dam/levee failure can result in the uncontrolled release of floodwaters downstream of a facility. Water released from the dam during failure will always flow downhill, and the resulting flood wave can cause significant damage to buildings and infrastructure downstream. The unexpected nature of the flood wave also increases the likelihood of loss of life in the impacted area due to reduced warning times.

Dams can fail for one or a combination of the following reasons:

- Overtopping caused by floods that exceed the capacity of the dam
- Structural failure of materials used in dam construction
- Movement and/or failure of the foundation supporting the dam
- Settle and cracking of concrete or embankment dams
- Inadequate maintenance and upkeep
- Deliberate acts of sabotage

According to Ohio Administrative Code Rule 1501:21-13-01 (2010), dams are classified as Class I-IV dams based on the following criteria:

- Class I: Dams having a total storage volume greater than 5,000 acre-feet or a height of greater than 60 feet.
- Class II: Dams having a total storage volume greater than 500 acre-feet or a height of greater than 40 feet.
- Class III: Dams having a total storage volume greater than 50 acre-feet or a height of greater than 25 feet.
- Class IV: Dams having a total storage volume of 50 acre-feet or less and a height of 25 feet or less.

4.1.2 Location

Dam locations can be seen in **Figure 4.1.1**. Dam properties are also listed in **Table 4.1.1.**

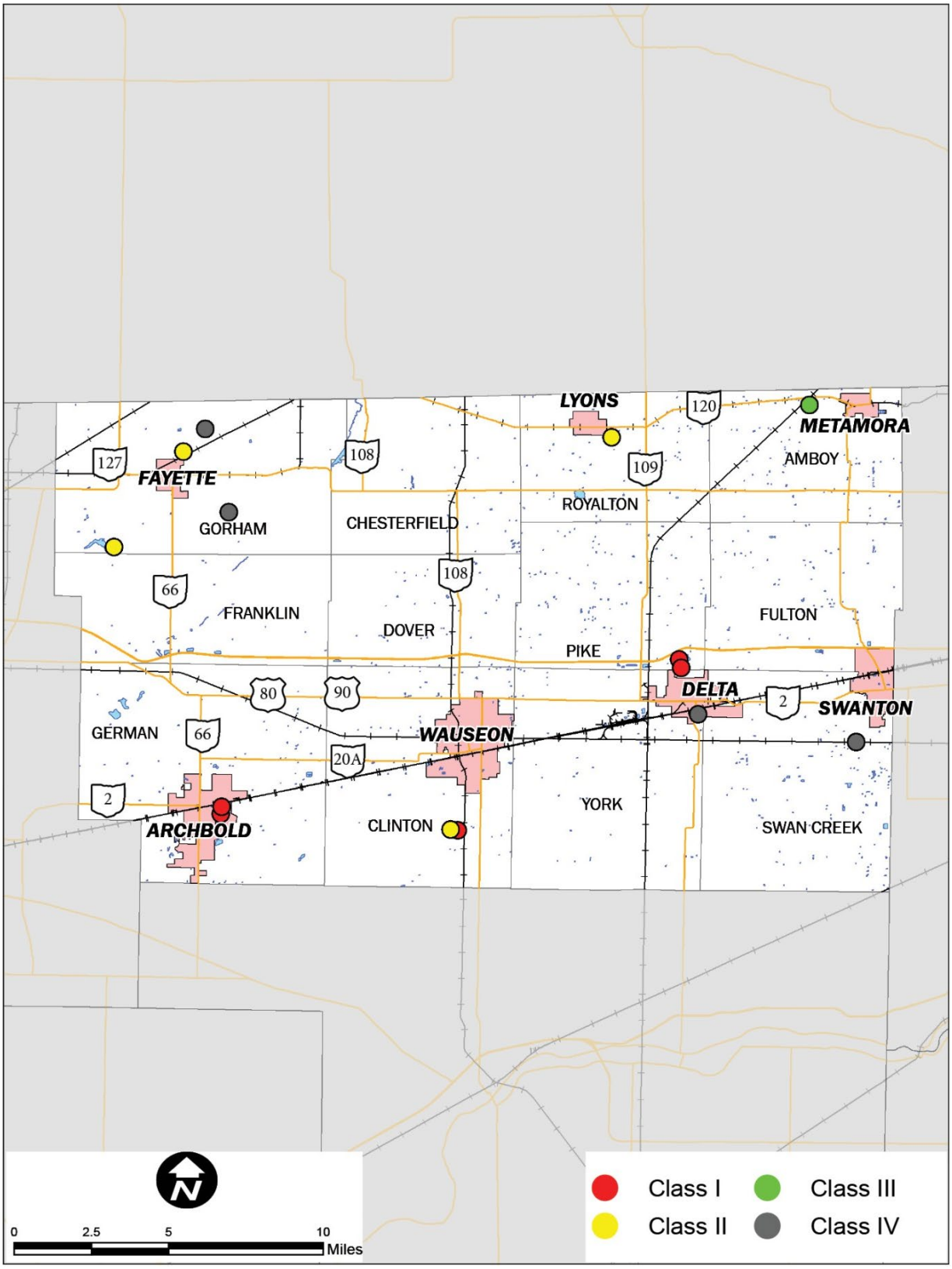
Table 4.1.1: Dam Locations in Fulton County, Ohio

Class	Name	Owner	Impoundment	Structure	Length	Height	Pool Acres	Storage	EAP
I	Archbold Upground Reservoir No. 1	Village of Archbold	Upground	Earthfill	3500	15	19.7	313	*
I	Archbold Upground Reservoir No. 2	Village of Archbold	Upground	Earthfill	5500	22.4	45.1	777	*

Class	Name	Owner	Impoundment	Structure	Length	Height	Pool Acres	Storage	EAP
I	Wauseon Upground Reservoir No. 2	City of Wauseon	Upground	Earthfill	5760	26	50.9	1064	*
I	Delta Reservoir No. 1	Village of Delta	Dam and Spillway	Earthfill	2000	22.2	40.6	546	*
I	Delta Reservoir No. 2	Village of Delta	Upground	Earthfill	5728	42	50	1510.5	*
II	Harrison Lake Dam	ODNR	Dam and Spillway	Earthfill	1800	34.7	100	1750	*
II	Fayette Sewage Lagoons	Village of Fayette	Upground	Earthfill	3400	15	11	137	*
II	Wauseon Upground Reservoir No. 1	City of Wauseon	Upground	Earthfill	3300	29	Null	275	*
II	Lyons WWT Lagoon	Village of Lyons	Upground	Earthfill, Homogenous	2724	7.75	7.89	60	*
III	Metamora Upground Reservoir	Village of Metamora	Upground	Earthfill	2412	11.4	7.3	79	*
Other	Wyse's Pond Dam	Lowell Wyse	Dam and Spillway	Null	Null	12	2	Null	*
Other	Fether Pond Dam	Loyal Fether	Dam and Spillway	Null	Null	10	3	Null	*
Other	Delta CSO Basin	Village of Delta	Null	Null	Null	7	Null	20.7	*
Other	Roth Lake Dam	Walter and Esther Roth	Dam and Spillway	Earthfill	Null	12	2.5	Null	*

**EAP status is currently being requested from ODNR – this column will be updated once dates/status of EAPs are determined.*

Figure 4.1.1: Dam Locations in Fulton County, Ohio



4.1.3 Extent

As previously mentioned, Class I dams have a total storage volume greater than 5,000 acre-feet or a height of greater than 60 feet. Sudden failures of Class I dams would increase the probability that one of the following conditions would result:

- Loss of human life
- Structural collapse of at least one residence or one commercial or industrial business

Sudden failures of Class II dams would result in at least one of the following conditions:

- Disruption of a public water supply or wastewater treatment facility, release of health hazardous industrial or commercial waste, or other health hazards.
- Flooding of residential, commercial, industrial, or publicly owned structures. At the request of the dam owner, the chief may exempt dams from the criterion of this paragraph if the dam owner owns the potentially affected property.
- Flooding of high-value property. At the request of the dam owner, the chief may exempt dams from the criterion of this paragraph if the dam owner owns the potentially affected property.
- Damage or disruption to major roads including but not limited to interstate and state highways, and the only access to residential or other critical areas such as hospitals, nursing homes, or correction facilities as determined by the chief.
- Damage or disruption to railroads or public utilities.
- Damage to downstream class I, II, or II dams or levees, or other dams or levees of high value. Damage to dams or levees can include, but is not limited to, overtopping of the structure. At the request of the dam owner, the chief may exempt dams from the criterion of this paragraph if the dam owner owns the potentials affected property.

Sudden failures of Class III dams would result in at least one of the following conditions:

- Property losses including but not limited to rural buildings not otherwise described the Ohio Administrative Cod Rule 1501:21-12-01 (2010), and class IV dams and levees not otherwise listed as high-value properties in this rule. At the request of the dam owner, the chief may exempt dams from the criterion of this paragraph if the dam owner owns the potentially affected property.
- Damage or disruption to local roads including but not limited to roads not otherwise listed as major roads.

Sudden failures of class IV dams would result in property losses restricted mainly to the dam and rural lands, and the loss of human life is not probable.

4.1.4 History

There have been no reported dam failures in Fulton County.

4.1.5 Probability

There have been no reported dam failures in Fulton County. As such, there are no reported property or crop damages on record for dam failure. Future dam failures are unlikely, but not impossible.

4.1.6 Vulnerability Assessment

Infrastructure Impact

Failures of Class I and Class II dams could flood roadways, including major routes and local roads. Utility infrastructure (wastewater, drinking water, and commercial and industrial waste lines) may be disrupted or destroyed.

Population Impact

The local population could be impacted by loss of utilities, including the local water supply. Health hazards may also be released into the flood waters during a dam failure which may cause indirect harm to the local population.

Property Damage

At least one residential or commercial property is likely to face structural collapse during a Class I dam failure. Class II dam failure has the potential to damage high value properties. Residential, commercial, and industrial properties may be damaged, as well as publicly owned properties. Properties that are owned by the dam owner may be exempt from the property damage calculation.

Loss of Life

Loss of life is likely during a Class I dam failure. Loss of life during a Class II or Class III dam failure is unlikely. Class I dams exist within or nearby the Villages of Archbold and Delta (see **Figure 4.1.1**).

Economic Losses

Economic losses can include damages from flooding crops, damaged goods, and the flooding of vital roadways.

EAP's have been completed for some of the Class I and Class II dams; however, the data is subjected to agreements where it cannot be published publicly. The Ohio Department of Natural Resources holds record of these EAP's. The status of EAPs for the dams in Fulton County are indicated in **Table 4.1.1**.

4.1.7 Land Use and Development Trends

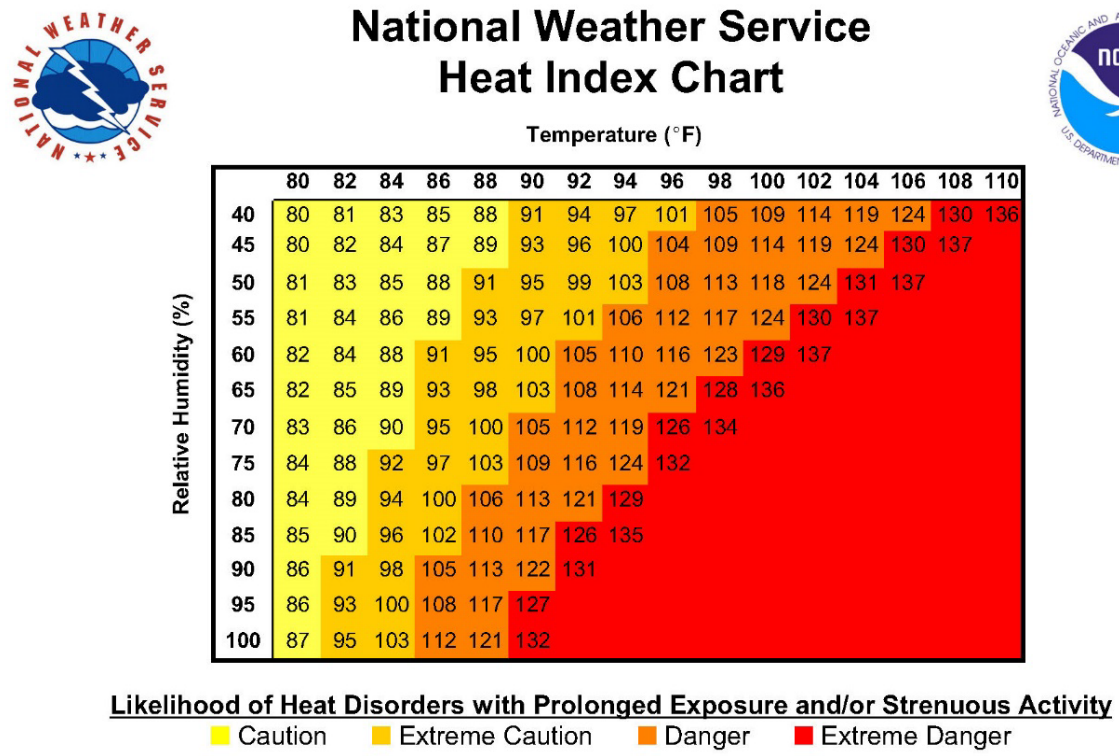
Development that has occurred in areas that will flood after a dam failure should be prepared for rapid flooding. Land use plans can limit development in these areas.

4.2 Drought and Extreme Heat

4.2.1 Description

According to the states of New York, Washington, and California, temperatures that hover over ten degrees or more above the average high temperature for the region and last for several days are considered extreme heat. Humid conditions, which add to the discomfort of high temperatures, occur when a high-pressure weather system traps hazy, moist air near the ground. Extreme heat may also contribute to the formation of a drought if moisture and precipitation are lacking. The National Weather Service's Heat Index Chart is provided in **Figure 4.2.1**.

Figure 4.2.1: Heat Index Chart (Source: National Weather Service)



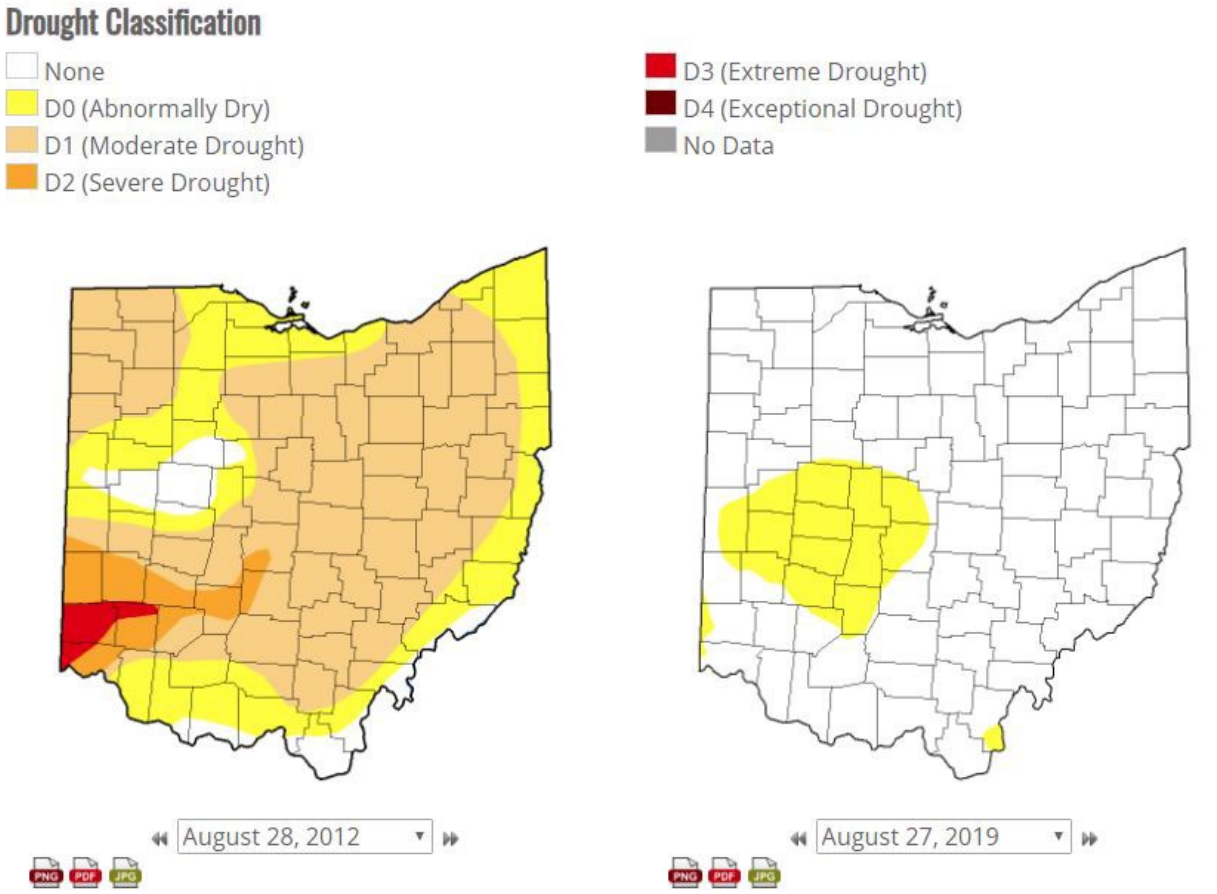
A drought is a shortage in atmospheric moisture or precipitation over an extended period of time. Droughts are common throughout all climatic zones and can range in length from a couple weeks to multiple years or decades in some areas. According to the National Oceanic and Atmospheric Administration (NOAA), there are three common types of drought: Meteorological, Agricultural, and Hydrological.

Meteorological drought severity is calculated by the amount of the rainfall deficit (compared to annual averages) and the length of the dry period. Agricultural drought is based on the effects to agriculture by factors such as rainfall and soil water deficits or diminished groundwater/reservoir levels needed for irrigation. Hydrological drought is based on the effects of rainfall shortages on the water supply, such as stream flow, reservoir and lake levels, and groundwater table decline.

4.2.2 Location

Drought and extreme heat is a countywide hazard that can affect all locations and jurisdictions in Fulton County. More specifically, this hazard typically occurs at a regional scale. Droughts most commonly occur in Ohio from spring through autumn; however, they may occur at any time throughout the year. **Figure 4.2.2** depicts the Drought Monitor for the State of Ohio for August 28, 2012 compared with the Drought Monitor for August 27, 2019, as well as the associated statistics comparison for the percent area of the State of Ohio that were experience the associated drought conditions. The drought in the summer of 2012 was one of the worst on record for the State of Ohio and is described in more detail below.

Figure 4.2.2: Drought Monitor for the State of Ohio, 2012 and 2019



Statistics Comparison

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2012-08-28	6.61	93.39	65.23	7.57	1.64	0.00	168
2019-08-27	86.74	13.26	0.00	0.00	0.00	0.00	13
Change	80.13	-80.13	-65.23	-7.57	-1.64	0.00	-155

**The Statistics Comparison above is calculated as a percent area in those drought conditions.*

4.2.3 Extent

Due to the widespread nature of extreme heat events, all structures, croplands, and infrastructure may experience impacts. More specifically, severe lack of moisture can cause soil – especially expansive soil - to recede from foundations of buildings, leading to structural instability. All residents of the County may also be impacted, especially at-risk populations that are more susceptible. The elderly and infants are the most vulnerable populations for extreme heat.

The most common symptoms caused by extreme heat, according to the Centers for Disease Control (CDC), include:

- Heat Cramps are muscle spasms, often in the abdomen, arms, or calves, caused by a large loss of salt and water in the body. Heat cramps can occur from prolonged exposure to extreme heat combined with dehydration, and they commonly happen while participating in strenuous outdoor activities such as physical labor or sports.
- Heat Exhaustion is a severe illness requiring emergency medical treatment. It can occur from exposure to extreme heat over an extended period of time (usually several days), especially when combined with dehydration.
- Heat Stroke is the most serious medical condition caused by extreme heat, requiring emergency treatment. Heat stroke (or hyperthermia) occurs when the body can no longer regulate its temperature and its temperature rises rapidly—up to 106°F or higher. It usually occurs as a progression from other heat-related illnesses, such as heat cramps or heat exhaustion; however, it can also strike suddenly without prior symptoms, and it can result in death without immediate medical attention.

Extreme heat is especially dangerous because people might not recognize their symptoms as signs of a more serious condition. For example, symptoms like sweating or fatigue may just appear to be normal reactions to a hot day. People may be in more danger if they experience symptoms that alter their decision-making, limit their ability to care for themselves, or make them more prone to accidents. If untreated, heat-related illnesses can worsen and eventually lead to death. Heat can also contribute to premature death from health impacts other than those listed above. This is because extreme heat can worsen chronic conditions such as cardiovascular disease, respiratory disease, and diabetes.

Due to the regional nature of droughts, effects may be noticed throughout the County in the urbanized and rural areas. All jurisdictions with the County may be affected in a single drought event. In Fulton County, droughts are often linked to prolonged periods of above average temperatures and little to no precipitation.

Initial effects of drought can be noticed within a short period, as soils may dry out and plants may wither and die. When drought conditions persist over several weeks, months, or years, effects may be more pronounced with reductions in water levels of wells, lakes, reservoirs, streams, and rivers. Water supply issues for agriculture, commercial/industrial activities, and private consumption may arise if drought conditions persist over a long term.

The extent of the drought is determined by the Palmer Drought Severity Index (PDSI). In this way, the Index can be utilized as a tool to help define disaster areas and indicate the availability of irrigation water supplies, reservoir levels, range conditions, amount of stock water, and potential for forest fires. The PDSI depicts prolonged (in months or years) abnormal dryness or wetness and is slow to respond, changing little from week to week. It also reflects long-term moisture runoff, recharge, and deep percolation, as well as evapotranspiration.

The PDSI is a standardized index with values typically falling between -4.00 and +4.00, although extreme conditions can be greater in value (**Table 4.2.1**). Negative values indicate drought conditions while positive values represent wet conditions. Values around zero represent near normal conditions.

Table 4.2.1: Palmer Drought Severity Index Classifications

Palmer Classifications	
4.0 or greater	Extremely Wet
3.0 to 3.99	Very Wet
2.0 to 2.99	Moderately Wet
1.0 to 1.99	Slightly Wet
0.5 to 0.99	Incipient Wet Spell
0.49 to -0.49	Near Normal
-0.5 to -0.99	Incipient Dry Spell
-1.0 to -1.99	Mild Drought
-2 to -2.99	Moderate Drought
-3.0 to -3.99	Severe Drought
-4.0 or less	Extreme Drought

4.2.4 History

According to the U.S. Drought Monitor, since 2000, the longest duration of drought in Ohio lasted 44 weeks beginning on July 23, 2002 and ending on May 20, 2003. Additionally, the most intense period of drought occurred the week of September 4, 2007.

In Fulton County, the National Climatic Data Center (NCDC) has record of one ongoing drought event from June 1999 to August 1999, which did not result in any reported crop or property damages through the NCDC. The NCDC also has record of a second drought event in August of 1996. One additional drought event was recorded by the National Weather Service and the United States Department of Agriculture (USDA). While not all drought events resulted in disaster declarations made for drought events in the County, all drought events on record are described below due to the potential economic losses due to reduction in crop yield.

Drought, Summer 2012

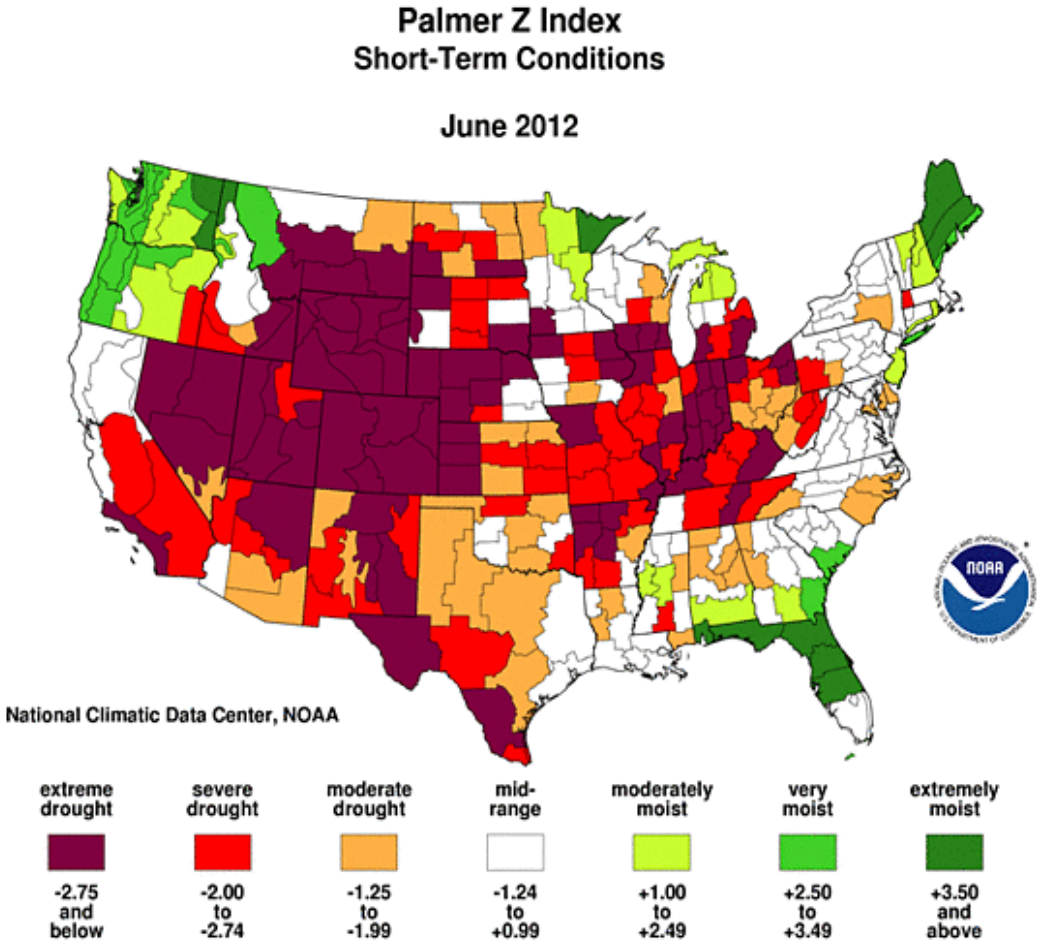
The National Weather Service recorded the drought of Summer 2012 with the following description:

"The warm and dry spring of 2012 became the hot and dry summer of 2012. Temperatures in June and July were well above normal, with monthly temperatures in July averaging 4 to 5 degrees above normal. High temperatures reached 90 or above on dozens of days. The mercury topped 90 degrees 28 times at Cleveland and 32 times at Toledo. At Toledo, the temperature soared above 100 degrees 4 times! Other locations in northern Ohio and northwest Pennsylvania got close to 100 or exceeded 100 at least once or twice. There was little relief at night, with many nights seeing low temperatures barely dropping into the 70s, especially in July. The lack of rain compounded the summer stress. Rainfall was below normal in most areas from April through July. The combination of heat and drought left many farmers with parched soil. Rainfall in September and October was much above normal but was too little too late for many of the farmers."

Furthermore, by mid-June, Fulton County was designated with moderate drought conditions. On July 30, 2012, the Governor of Ohio sent a memorandum to the USDA Ohio State Executive Director requesting primary county natural disaster designations for eligible counties due to agricultural losses caused by drought and additional disasters during the 2012 crop year. The USDA reviewed the Loss Assessment Reports and determined that there were sufficient production losses in 85 counties, including Fulton County, to warrant a Secretarial disaster declaration. This declaration was issued on September 5, 2012.

Figure 4.2.3 displays the PDSI of June 2012 for the continental United States. This image shows that the region containing Fulton County experienced extreme drought, with a Palmer Index of -2.75 or below, during the 2012 Drought. Further estimates of crop losses associated with this drought are located in **Table 4.2.2**.

Figure 4.2.3: Palmer Drought Severity Index for the United States in June of 2012



Drought, June - August 1999

June: Little rain occurred from late May through much of June. In the region, 1.19 inches of rainfall fell at Akron-Canton Airport during the month making it the fifth driest June on record. Similarly, 1.66 inches of rain fell at Mansfield Airport also making it the fifth driest June on record. Scattered rains late in June brought hope for farmers but it was likely that crop yields were reduced even with adequate rain the remainder of the season. Losses due to the drought were unknown. Several communities instituted water use restrictions.

July: Drought conditions across northern Ohio eased as thunderstorm rains became more widespread. Nonetheless, very dry soil conditions persisted in a few areas that missed the brunt of the thunderstorm activity. Some communities instituted water use restrictions and crop yields were likely reduced because of the lack of adequate rainfall. Losses due to the drought were unknown.

August: Drought conditions persisted across northern Ohio as rainfall totals for the month were below normal at most locations. 1.40 inches of rain fell in Toledo during August with only 1.80 inches measured in Cleveland. Both of these totals are roughly half the monthly normal. Mansfield finished the month 1.98 inches below normal making it the sixth driest August on record. Water use restrictions were instituted in many areas. The drought also greatly impacted agricultural interests. Crop yields in northern Ohio were reduced by an average of 30 percent this growing season. Associated financial losses as a result were not available through the NCDC.

Drought, August 1996
Dry weather persisted throughout the month across northern Ohio. Rainfall averaged from a few tenths of an inch in north central and northwest Ohio to one to two inches in extreme northeast Ohio. August rainfall normally averages between three and four inches. Rainfall totals were 0.76 inches at Toledo Airport and 0.71 inches at Cleveland Airport, which rank among the five driest Augusts on record. Crops that normally mature during August were affected by the dry weather and crop losses were predicted at 10-30 percent. The actual dollar amount of crop loss was unknown.

4.2.5 Probability

Fulton County has experienced droughts and excessive heat in the past, and the potential exists for the County to experience droughts in the future. Seasons of drought and extreme heat have the potential to occur during any particular year when necessary conditions are met, and they are most likely to occur from spring through autumn. More specifically, the County has record of three drought events from August 1996 to September 2012, which amounts to an 18.75 percent chance of a drought occurring any given year. While no crop or property losses were recorded through the NCDC, a more detailed commodity loss analysis is provided in the Vulnerability Assessment, below.

Based on current climate reports:

- Drought projections suggest that some regions of the U.S. will become drier and that most will have more extreme variations in precipitation.
- Even if current drought patterns remained unchanged, warmer temperatures will amplify drought effects.
- Drought and warmer temperatures may increase risks of large-scale insect outbreaks and wildfires.
- Drought and warmer temperature may accelerate tree and shrub death, changing habitats and ecosystems in favor of drought-tolerant species.
- Forest-based products and values, such as timber, water, habitat and recreation opportunities, may be negatively impacted.
- Forest and rangeland managers can mitigate some of these impacts and build resiliency in forests through appropriate management actions.

4.2.6 Vulnerability Assessment

Drought does have the potential for significant impacts to structures, businesses, and people, as well as critical infrastructure. Additionally, the greatest impacts of drought tend to be on agricultural interests, as crops may fail, and livestock may not have sufficient water resources. Economic losses

are the greatest threat from droughts to Fulton County. According to the 2012 Census of Agriculture developed by the USDA, top crop items based on acreage for Fulton County include soybeans for beans, corn for grain, wheat for grain, and winter wheat. Commodity Loss Statistics for these crops are included in **Table 4.2.2** and compare a non-drought year (2011) with the production and harvest of crops in a drought year (2012).

Based on data from the United States Department of Agriculture, Fulton County's soybean yields decreased by 12.1 percent between 2011 and 2012; however, the yield of soybeans increased by five bushels per acre harvested. Additionally, the County's corn production decreased by 36 bushels per acre harvested between 2011 and 2012. The County's winter wheat yield increased by three bushels per acre harvested; however, the raw yield of acres harvested decreased by 2.40 percent.

Table 4.2.2: Commodity Loss Statistics between 2011 and 2012 (Source: USDA)

Commodity	Units	Non-Drought Year 2011	Drought Year 2012	Change	Change Amount
Soybeans, Planted	Acres	78,200	87,500	Up	9,300
Soybeans, Harvested	Acres	78,100	76,832	Down	-1,268
Yield	%	99.87%	87.81%	Down	-12.1%
Soybeans, production	Bushels	3,791,000	4,148,000	Up	357,000
Yield	Bushels/Acre Harvested	49	54	Up	5
Corn for grain, planted	Acres	84,900	85,900	Up	1,000
Corn for grain, harvested	Acres	79,200	80,000	Up	800
Yield	%	93.29%	93.13%	Down	-0.15%
Corn, production	Bushels	12,200,000	9,473,000	Down	-2,727,000
Yield	Bushels/Acre Harvested	154	118	Down	-36
Winter Wheat, planted	Acres	21,100	12,600	Down	-8,500
Winter Wheat, harvested	Acres	20,100	11,700	Down	-8,400
Yield	%	95.26%	92.86%	Down	-2.40%
Winter Wheat, production	Bushels	1,422,000	858,000	Down	-564,000
Yield	Bushels/Acre Harvested	71	73	Up	3

4.2.7 Land Use and Development Trends

Drought is most likely to impact agriculture land uses. Extreme heat is most likely to impact land uses that house or serve vulnerable populations, such as schools, daycares, hospitals, and nursing homes.

4.3 Earthquake

4.3.1 Description

Earthquakes are a result of a sudden movement of the Earth's crust and are caused by the abrupt rupture and rebound of accumulated stress along geologic faults. These movements vary in length and may last from a few seconds to several minutes.

The seismicity, or seismic activity, of an area refers to the frequency, type, and size of earthquakes experienced over a period of time. Earthquakes are measured using observations from seismometers. The Moment Magnitude Scale (MMS), which was developed in the 1970s, is the most common scale on which earthquakes larger than approximately 5.0 in magnitude are reported for the entire world. Earthquakes smaller than magnitude 5.0, which are more numerous, are reported by national seismological observatories and measured most commonly on the local magnitude scale – also referred to as the Richter Scale. These two scales are numerically similar over their range of validity. Earthquakes of magnitude 3.0 or lower are often almost imperceptible or weak, while earthquakes of magnitude 7.0 or greater can potentially cause serious damage over larger areas.

Damage from an earthquake also depends on the earthquake's depth in the Earth's crust. The shallower an earthquake's epicenter, the more damage to structures it will cause. Alternatively, an earthquake can also be measured by its intensity. The Modified Mercalli Intensity Scale (MMI) ranges in value I to XII, in roman numerals (**Table 4.3.1**).

Major earthquakes are low probability, high consequence events. Most major earthquakes in the U.S. have occurred in California and other western states. There have been recorded earthquakes throughout the U.S., and the Ohio River Valley has experienced earthquakes exceeding the 3.0 magnitude within the last 25 years.

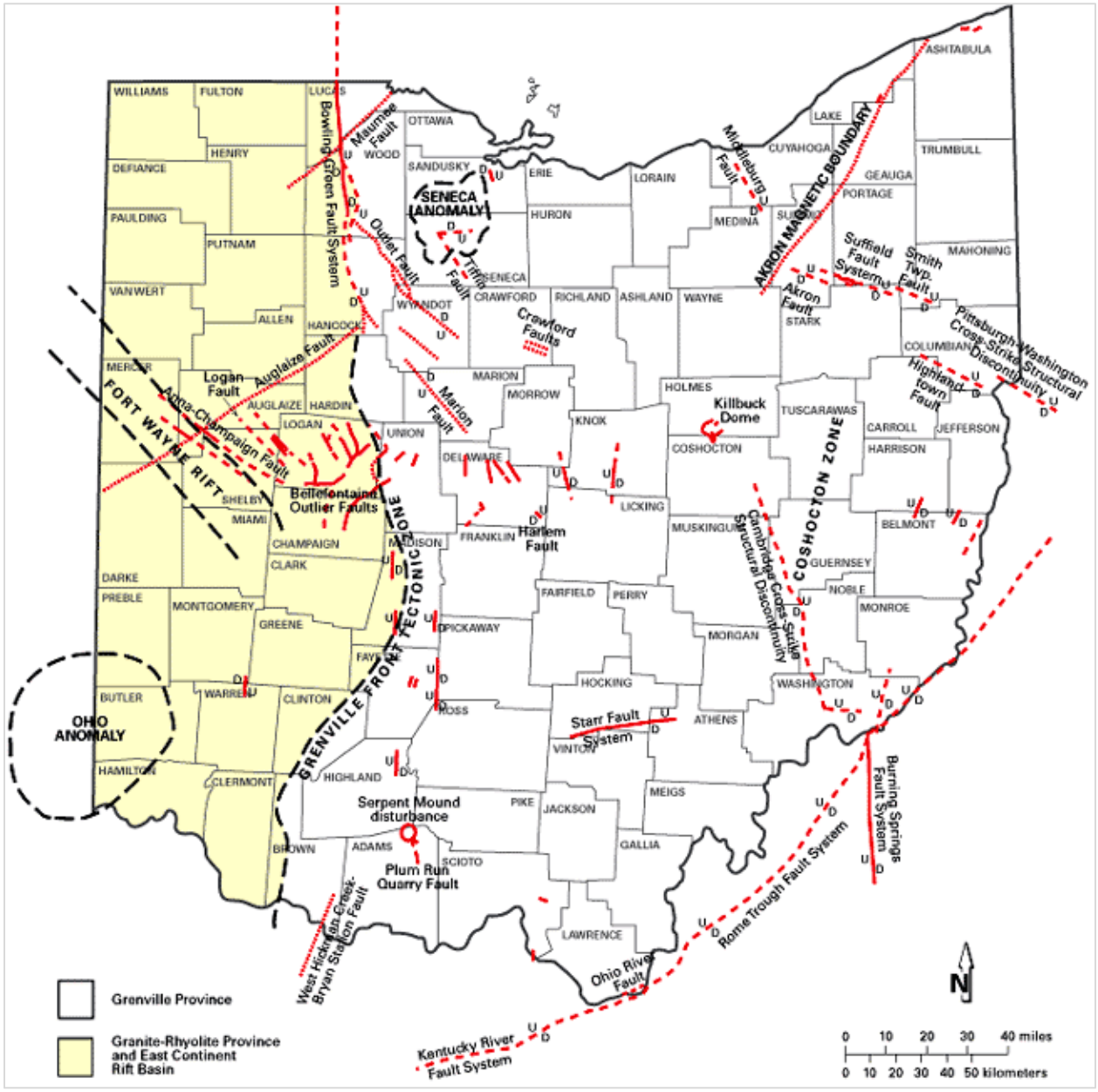
4.3.2 Location

Earthquakes are countywide hazards and can affect all areas and jurisdictions within Fulton County. According to the Ohio Department of Natural Resources, Ohio is located on the periphery of the New Madrid Seismic Zone, an area in and around Missouri that was the site of the largest earthquake sequence to occur in the Country. Additionally, west central Ohio is the area of Ohio with the highest risk for earthquakes in the State.

Table 4.3.1: Modified Mercalli Intensity Scale (Source: Ohio Department of Natural Resources)

Modified Mercalli Intensity Scale		Magnitude
I	Detected only by sensitive instruments.	1.5
II	Felt by few persons at rest, especially on upper floors; delicately suspended objects may swing.	2
III	Felt noticeably indoors, but not always recognized as earthquake; standing autos rock slightly, vibrations like passing truck.	2.5
IV	Felt indoors by many, outdoors by few, at night some awaken; dishes, windows, doors disturbed; standing autos rock noticeably.	3
V	Felt by most people; some breakage of dishes, windows, and plaster; disturbance of tall objects.	3.5
VI	Felt by all, many frightened and run outdoors; falling plaster and chimneys, damage small.	4
VII	Everybody runs outdoors; damage to buildings varies depending on quality of construction; noticed by drivers of autos.	4.5
VIII	Panel walls thrown out of frames; walls, monuments, chimneys fall; sand and mud ejected; drivers of autos disturbed.	5
IX	Buildings shifted off foundations, cracked, thrown out of plumb; ground cracked; underground pipes broken.	5.5
X	Most masonry and frame structures destroyed; ground cracked, rails bent, landslides.	6
XI	Few structures remain standing; bridges destroyed, fissures in ground, pipes broken, landslides, rails bent.	6.5
XII	Damage total; waves seen on ground surface, lines of sight and level distorted, objects thrown up into air.	7 7.5 8

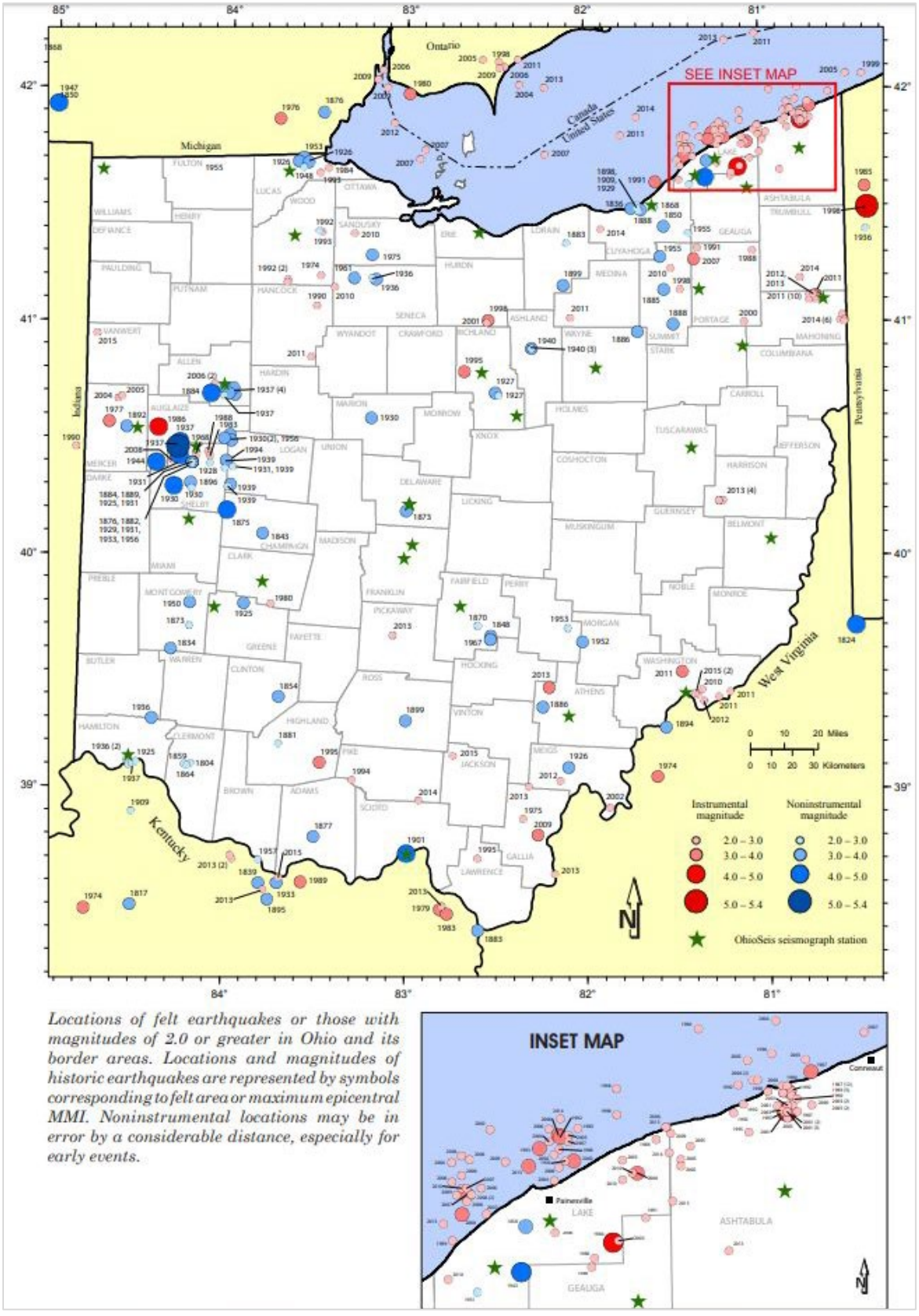
Figure 4.3.1 Map of Deep Structures in Ohio (Source: ODNR)



4.3.3 Extent

Earthquakes post a risk to life and property, depending on the severity. To monitor earthquakes, the State of Ohio has deployed several seismometers to record ground-shaking activity (**Figure 4.3.2**). The Station BCOH (Blue Creek Park Ohio) seismometer is located in the closest proximity to Fulton County and is situated in near Toledo in Lucas County. This seismometer is located three miles from the Bowling Green Fault System, in a location particularly useful for determining rapid and accurate earthquake locations in northwest Ohio.

Figure 4.3.2: Earthquake Epicenters and Seismometers in Ohio (Source: ODNR)



Locations of felt earthquakes or those with magnitudes of 2.0 or greater in Ohio and its border areas. Locations and magnitudes of historic earthquakes are represented by symbols corresponding to felt area or maximum epicentral MMI. Noninstrumental locations may be in error by a considerable distance, especially for early events.

Earthquakes can yield a variety of different outcomes. With the ground shaking associated with earthquake events, buildings have the potential to be impacted. If soil liquefaction, or the mixing of sand and soil with groundwater, occurs, buildings can sink into the ground. Earthquakes also have the potential to rupture dams or levees along a river, resulting in flooding (see Dam Failure section). Earthquakes can cause landslides in high risk areas and can cause mines to subside. Furthermore, earthquakes that break gas and power lines can result in fires.

4.3.4 History

The State of Ohio has experienced more than 120 earthquakes between 1776 and 2019. Fourteen of these earthquakes have caused minor to moderate damage. The largest historic earthquake in Ohio was centered in Shelby County in 1937. This event was estimated to have had a magnitude of 5.4 on the Richter scale. **Figure 4.3.2**, above, displays epicenters of all historical earthquakes with a magnitude greater than 2.0, as well as the location of seismometers in the State of Ohio.

The ODNR maintains a record of all earthquake events in the State of Ohio; however, no events have been recorded within Fulton County.

4.3.5 Probability

The USGS has both long-term and short-term probabilistic seismic hazard forecasts. In the 2018 one-year probabilistic seismic hazard forecast, the United States Geological Survey estimates that there is a less than one percent chance of potentially minor-damage ground shaking in 2018 for Fulton County (**Figure 4.3.3**).

The USGS also determined the long-term hazard of earthquakes for the United States (**Figure 4.3.4**). The measurement used in this estimation is based on the chance of ground shaking – peak ground acceleration – as a percentage of the natural force of gravity over time. This map identifies that most of Fulton County and surrounding areas in Ohio have the second to lowest hazard ranking for the nation.

Furthermore, the ODNR indicates that the brief historic record of Ohio earthquakes suggests a risk of moderately damaging earthquakes in the western, northeastern, and southeastern parts of the State.

Figure 4.3.3: Chance of Potentially Minor-Damage Ground Shaking in 2018 (Source: USGS)

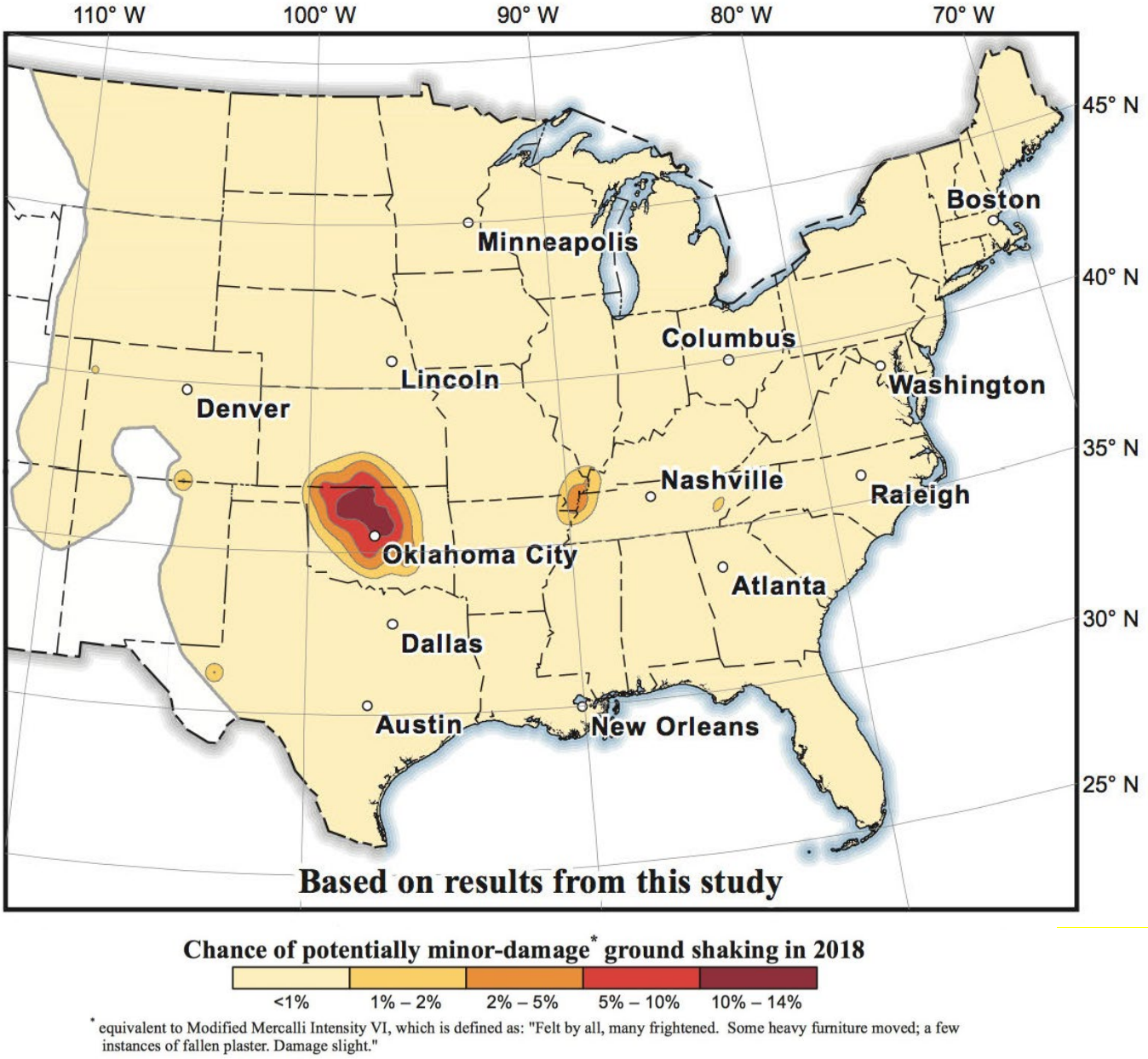
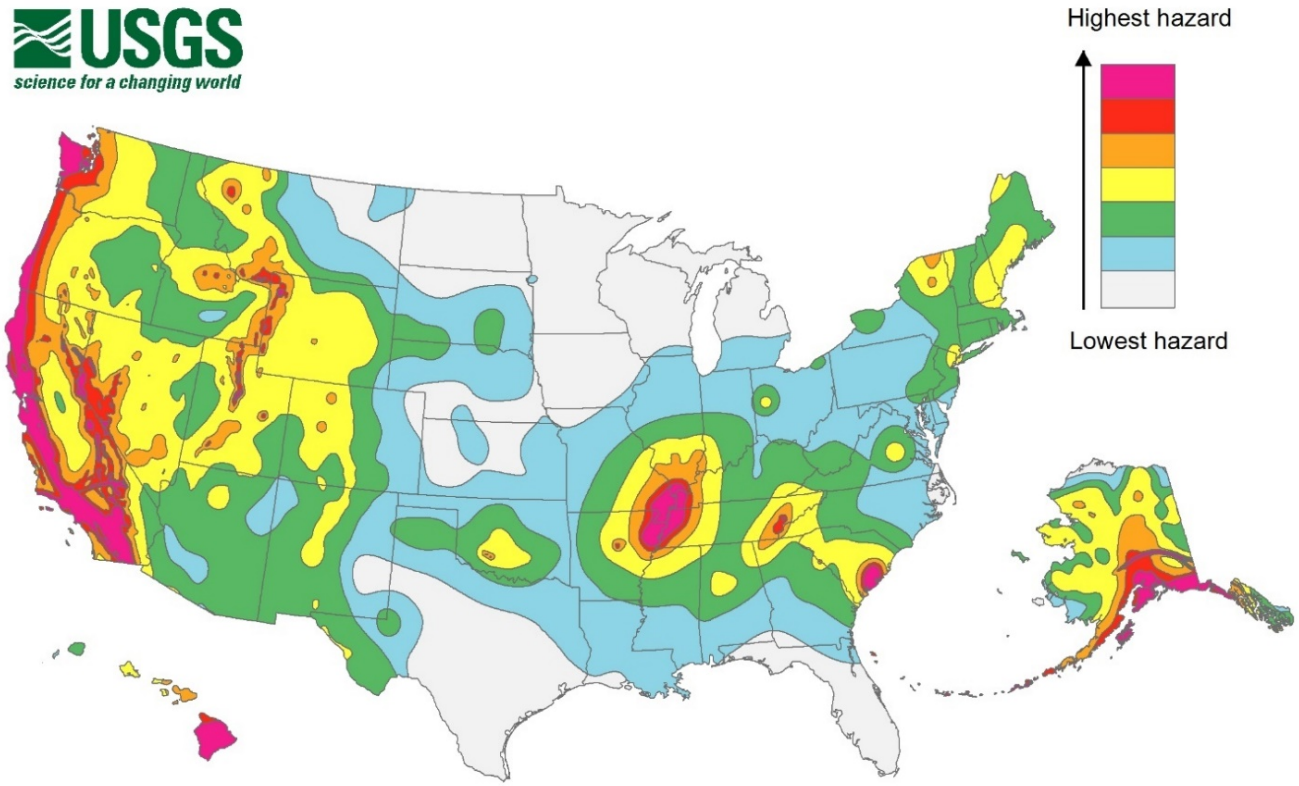


Figure 4.3.4: Probability of Earthquakes in the United States (Source: USGS)



4.3.6 Vulnerability Assessment

Infrastructure Impact

Since there are no historical earthquakes in the County's history, exact damages to infrastructure are unknown. Buildings, roadways, and gas and power lines have the potential to be affected. Since the probability of an earthquake occurring in Fulton County is less than one percent, there is a low risk of impact to infrastructure as a result.

Population Impact

There is a low risk of earthquakes occurring in Fulton County. Accordingly, there is low risk of impact to the population. If an earthquake would occur within the County, the population could be impacted by loss of homes, as well as potential loss of utilities.

Property Damage

With any earthquake event, there is potential for property damage to occur, as ground shaking can lead to damaged buildings. Due to the non-site-specific nature of this hazard, **Table 4.3.2** lists all structures within Fulton County as having potential impacts from earthquakes. It also provides values for two worst-case scenarios valued at one percent damage and five percent damage.

Loss of Life

Fulton County has no recorded earthquake events that have resulted in loss of life; however, in the event that an earthquake occurs, there is potential for loss of life. Loss of life can be mitigated by educating the public on proper protection in the event of an earthquake. For example, the Ready

Campaign (Ready.gov) is a national public service campaign designed to educate and empower the American people to prepare for, respond to, and mitigate disasters. The Ready Campaign provides materials for how to educate the public on earthquake preparedness.

Economic Losses

Earthquakes have the potential to damage infrastructure, resulting in economic burden of clean up and repairs. Potential economic losses and damages associated with Fulton County structures and potential worst-case scenarios are recorded in **Table 4.3.2**, below. Compared with other hazards, earthquakes are relatively unlikely to occur, meaning there is low risk of economic loss as a result of an earthquake.

Table 4.3.2: Structure Vulnerability from Earthquakes

Structure Type	Number of Properties Exposed	Total Value of Structures	Damage for 1% Scenario	Damage for 5% Scenario
Residential	15,276	$590,493,680	$5,904,936.80	$29,524,684
Non-Residential	7,988	$762,601,360	$7626013.60	$38,130,068
Critical Facilities	*650*	*$127,096,410*	*$1,270,964.10*	*$6,354,820.50*
Total	**23,264**	**$1,353,095,040**	**$13,530,950.40**	**$67,654,752.00**

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.3.7 Land Use and Development Trends

As there are no current at-risk communities for earthquakes, there are no likely impacts on development and land use.

4.4 Epidemic

4.4.1 Description

The Centers for Disease Control and Prevention (CDC) defines an epidemic as "an increase, often sudden, in the number of cases of a disease above what is normally expected in that population in that area."

Epidemics occur when an agent and susceptible hosts are present in adequate numbers, and the agent can be effectively conveyed from a source to the susceptible hosts. More specifically, an epidemic may result from any of the following:

- A recent increase in amount or virulence of the agent,
- The recent introduction of the agent into a setting where it has not been before,
- An enhanced mode of transmission so that more susceptible persons are exposed,
- A change in the susceptibility of the host response to the agent, and/or
- Factors that increase host exposure or involve introduction through new portals of entry.

While epidemics usually refer to infectious agents, the Centers for Disease Control and Prevention notes that non-infectious diseases such as diabetes and obesity exist in epidemic proportion in the United States. For the purposes of this report, only epidemics referring to infectious agents will be discussed. These types of infectious agents can include bacteria, viruses, fungi, and parasites.

Epidemic was identified as a hazard of concern by representatives from several local communities as part of the stakeholder involvement process.

4.4.2 Location

Epidemics can develop with little or no warning and quickly erode the capacity of local medical care providers. A fast-developing epidemic can last several days and extend into weeks or even months, in extreme cases. Epidemics can occur at any time of the year, but the warm summer months, when bacteria and microorganism growth are at their highest, present the greatest risk for epidemics to occur. An epidemic has the potential to affect the entire County but is more probable to occur in densely populated areas, especially at facilities with large numbers of occupants.

4.4.3 Extent

According to the World Health Organization (WHO), 70 percent of emerging human pathogens come from animals. As such, some of the most likely epidemics that could affect Fulton County include animal-sourced pathogens such as influenza and West Nile Virus. Such an event has the potential to cause serious injury or death to large numbers of people but would cause no damage to private property or structural damage to public facilities. The impact on individuals could also be economic at the individual level due to the inability of an infected person to go to work. In a worst-case scenario, cascading effects could lead to civil unrest, food and fuel shortages, or utility failure due to large numbers of people unable to provide services.

4.4.4 History

There were no known documented epidemics in Fulton County. As such, there are no historic property or crop damages associated with epidemics in the County.

4.4.5 Probability

As there are no known documented epidemics in Fulton County, there is a less than one percent chance in any given year of an epidemic occurring in the County. Furthermore, the WHO indicates that most epidemic-prone diseases are rare and outbreaks are generally contained quickly. Early detection of infected individuals can prevent a widespread epidemic.

As global weather patterns shift and permafrost in areas of the world melts, there will be more opportunity for diseases that have been frozen within layers of permafrost will be released, exposing humans to new diseases. As such, there will be more potential for epidemics to arise from these diseases.

4.4.6 Vulnerability Assessment

Given the lack of historic epidemic events in the County, it is difficult to estimate potential damages; however, the following assessment was developed to provide a general vulnerability assessment for epidemics in Fulton County.

Infrastructure Impact

There is likely to be little to no impact to infrastructure in the event of an epidemic.

Population Impact

The population of Fulton County is likely to be significantly impacted, should an epidemic occur; however, there is less than a one percent chance that an epidemic will occur in the County. This means there is a relatively low threat to the population from an epidemic hazard event.

Property Damage

Property damage is not likely to occur as a direct result of an epidemic event.

Loss of Life

Loss of life is a potential outcome from any epidemic event; however, there is a less than one percent chance of an epidemic event occurring in any given year, meaning there is low risk for loss of life due to an epidemic.

Economic Losses

Economic losses would likely be observed through the inability for individuals to work. Large-scale epidemics then can disrupt the flow of the economy. Because the threat of epidemics is low, there is little risk that economic losses will occur in the County due to an epidemic.

4.4.7 Land Use and Development Trends

Land use and development are not likely to be impacted by epidemics. Adequate health care facilities should be maintained in the event of an epidemic.

4.5 Flooding

4.5.1 Description

FEMA describes a flood as "a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland or tidal waters [and] the unusual and rapid accumulation or runoff of surface waters from any source." Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation.

Urban flooding is a type of flood that can occur in areas of development that have a high level of impervious surfaces, such as concrete. The level of development and the level of stormwater management practices impact the severity of urban flooding.

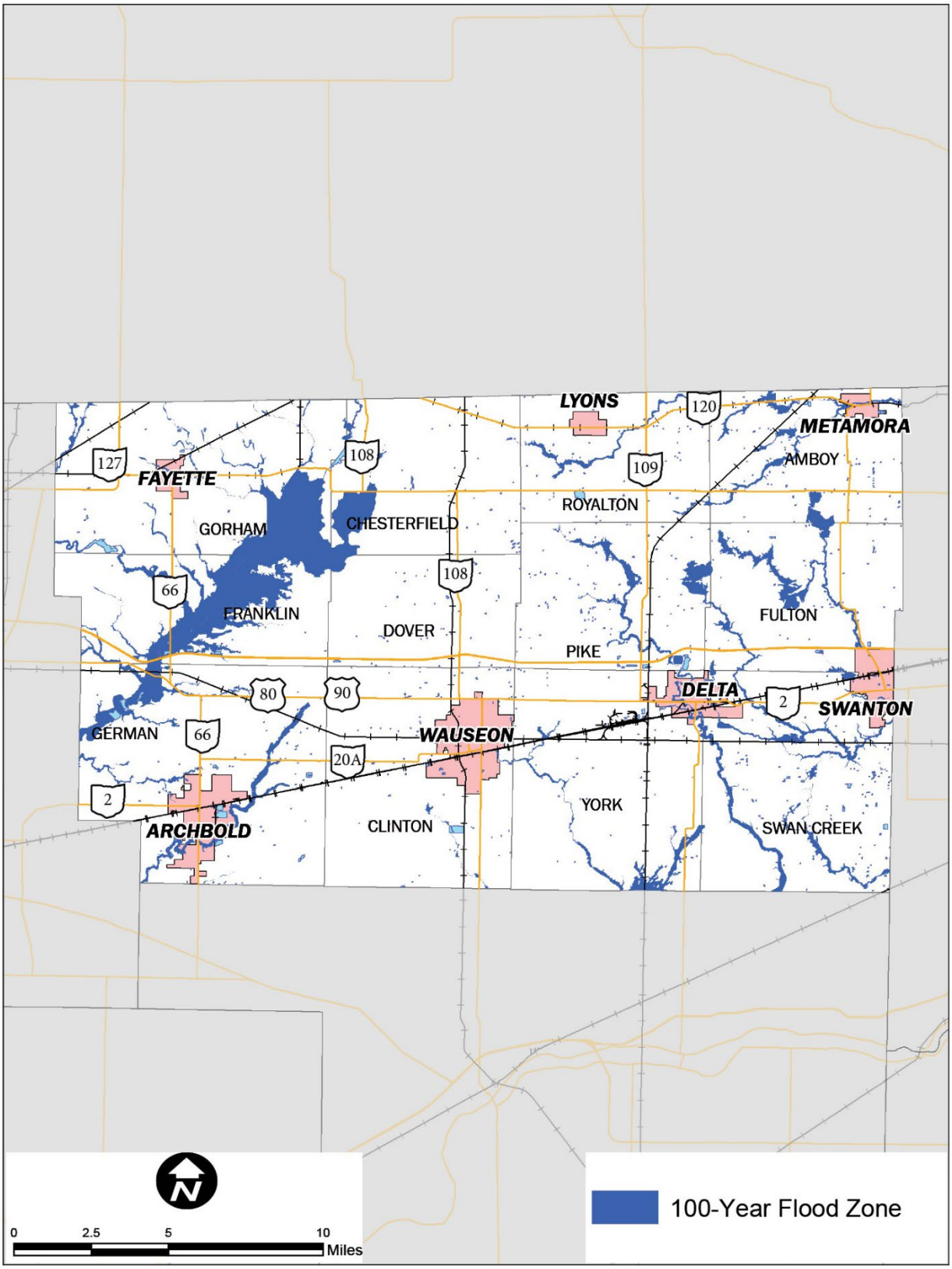
Common flood-related terms include:

- **100-Year Flood:** A flood that has a one percent chance to occur each year. The 100-year floodplain can be seen in **Figure 4.x.1: Flood Hazard Map**. The elevation of the water from the 100-year flood is called the Base Flood. Mitigation strategies should be based on the base flood elevation.
- **Floodplain:** An area that has the potential to flood from any source.
- **Floodway:** Sometimes referred to as a regulatory floodway. FEMA defines a floodway as "the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the Base Flood without cumulatively increasing the water surface elevation more than a designated height."
- **Flash flood:** Flash floods are typically caused by heavy rainfall over a short period of time. These floods are particularly dangerous because they can occur in minutes and can sometimes occur even without rainfall, such as when an ice jam breaks or dissolves. Areas impacted by wildfires are particularly susceptible to flash floods.

4.5.2 Location

Flooding can occur throughout Fulton County. Flash flooding is more likely to occur in developed areas. **Figure 4.5.1** shows the location of the 100-year floodplain.

Figure 4.5.1: 100-Year Flood Zone in Fulton County, Ohio



4.5.3 Extent

Fulton County currently has seven flood insurance maps (see **Appendix F**). These were most recently updated in April 2011. Fulton County has adopted the Special Purpose Flood Damage Reduction Resolution. This resolution has five methods for reducing flood loss.

1. Restricting or prohibiting uses which are dangerous to health, safety, and property due to water hazards, or which result in damaging increases in flood heights or velocities.
2. Requiring that uses vulnerable to floods, including facilities, which serve such uses, be protected against flood damage at the time of initial construction.
3. Controlling the alteration of natural floodplains, steam channels, and natural protective barriers, which help accommodate or channel flood waters.
4. Controlling filling, grading, dredging, excavating, and other development which may increase flood damage.
5. Preventing or regulating the construction of flood barriers, which will unnaturally divert flood waters or which may increase flood hazards in other areas.

This is an overview of the resolution. Please see **Appendix D: Sources** for a link to the full resolution.

Fulton County and six communities within the County participate in the NFIP. These communities include the Village of Archbold, the Village of Delta, the Village of Fayette, the Village of Metamora, the Village of Swanton, and the City of Wauseon. The Village of Lyons does not participate as it does not fall within an insurable area (see **Figure 4.5.1**).

Table 4.5.1 shows the repetitive loss properties in Fulton County, Ohio. FEMA defines a repetitive loss property as an insurable building for which two or more claims of more than $1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978. FEMA defines a severe repetitive loss property as a single family property that is covered under flood insurance by the NFIP and has incurred flood-related damage for which four or more separate claims payments have been paid under flood insurance coverage, with the amount of each claim payment exceeding $5,000 and with cumulative amount of such claims payments exceeding $20,000; or for which at least two separate claims payments have been made with the cumulative amount of such claims exceeding the reported value of the property.

Table 4.5.1: Repetitive Loss Properties

Community Name	Zone	Firm	Building Payment	Contents Payment	Losses	Total Paid
Fulton County	A	N	$15,878	$8,520	3	$24,398

**Zone Types:*

- *100-Year Floods: A = special flood hazard area (SFHA), no base flood elevation provided*
  - *AE = SFHA, base flood elevation provided (newer designation)*
- *500-Year Floods: C = area of minimal flood hazard, X = area of minimal flood hazard (newer designation)*
- *Firm column: Y = located on a flood insurance map, N = not located on a flood insurance map*

4.5.4 History

There has been one flood and 11 flash floods in Fulton County between June 1966 and December 2019. These events have caused $190,000 in property damages and $1,020,000 in crop losses. There are no reported injuries or deaths associated with these events. Described below are the three most damaging events over the past decade. Disaster declarations are summarized in **Table 4.5.2**. All events are listed individually in **Appendix A**.

There have been two major disaster declarations in Fulton County according to the State of Ohio Enhanced Hazard Mitigation Plan.

Table 4.5.2: Flooding-Related Disaster Declarations in Fulton County, Ohio

Disaster Declaration	Date	Total Funds Provided
DR-653	March 26, 1982	$425,777
DR-951	August, 1992	$13,463,534

Flash Flooding in the Village of Archbold on August 24, 1998
Two people had to be rescued from their vehicles as they attempted to cross flooded roads. The Sauder Village Museum sustained damage as Flat Run Creek inundated the ground floor. Several homes in the Village of Archbold had water backup through the sewer into their basements. This event caused $150,000 in property damage and $100,000 in crop damage.

Flash Flooding in the Village of Swanton on June 30, 1997
Heavy thunderstorm rain caused flooding of fields, roads, and low-lying areas. This event caused $10,000 in property damage and $5,000 in crop damage.

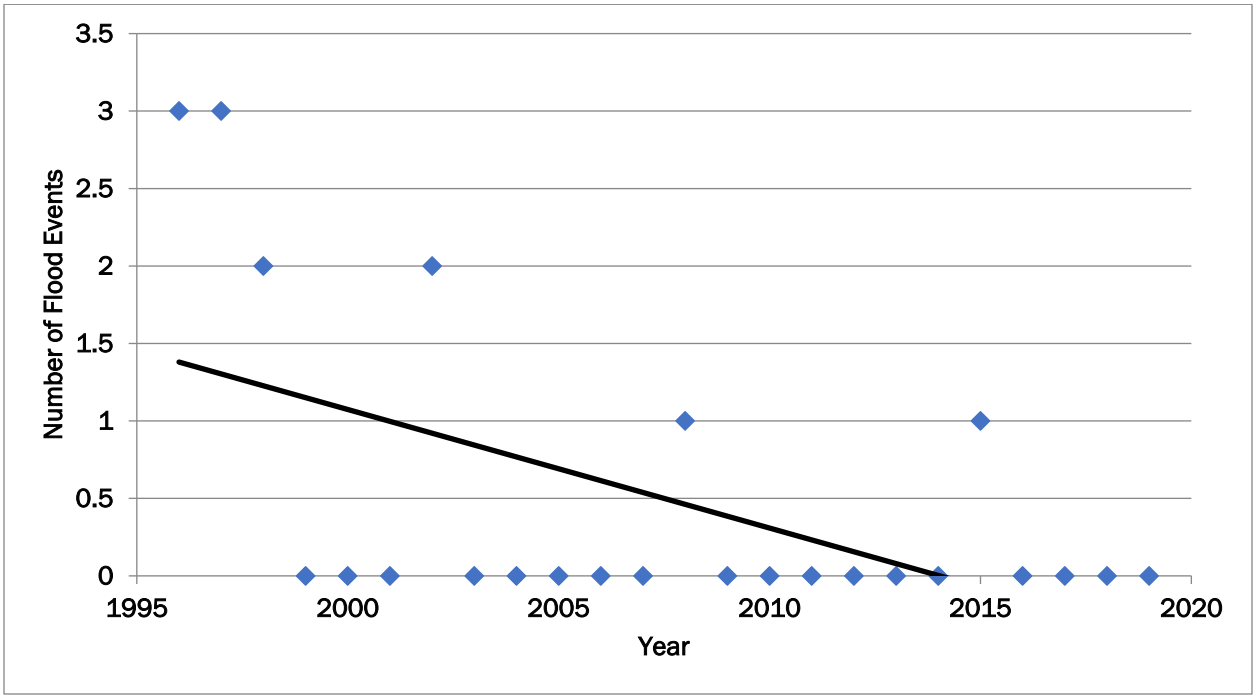
Countywide Flash Flooding on June 1, 1997
Heavy thunderstorm rain caused flooding of fields, roads, and low-lying areas. This event caused $25,000 in property damage and $15,000 in crop damage.

4.5.5 Probability

Figure 4.5.2 shows the trend of flood events over time since January 1996, as this is the earliest year with complete data from the NCDC. The trend line is sloping downwards over time, which indicates that floods have become less frequent – and therefore less likely – since January 1996.

Additionally, Fulton County has seen annualized property and crop damages amounting to $3,584.90 and $19,245.28, respectively. In total, the County averaged approximately $22,830.19 annually in damages from flooding events.

Figure 4.5.2 Flood Probability



4.5.6 Vulnerability Assessment

Infrastructure Impact

Floods can impact roadways, including interstates and state routes by blocking them due to high water or by filling them with debris. The transportation system in Fulton County, including highways, railways, and airports could suffer over $1,360,000 in damages during a 100-Year flood. Utility systems, including potable water, wastewater, and electric power systems, could suffer over $1,000,000 in damages.

Population Impact

Floods and flash floods have caused damages to occupied homes in the past. During flood events, shelter may need to be provided to those impacted by flooding.

Property Damage

Property damage is likely during floods, to both residential and non-residential properties. **Table 4.5.3** lists the value of all the properties that are exposed to 100-Year floods.

Loss of Life

There are no reported deaths or injuries related to floods or flash floods in Fulton County. Loss of life is possible in future floods or flashfloods.

Economic Losses

Floods can halt economic activity, block roadways, destroy building contents, and destroy agricultural crops.

Table 4.5.3: Structure Vulnerability from Flooding

Structure Type	Value (Exposed)	Percent of Total
Residential	$3,587,946,000	68.7%
Commercial	$95,037,000	13.9%
Industrial	$58,029,000	8.5%
Agriculture	$13,359,000	2.0%
Religious	$7,152,000	1.0%
Government	$4,373,000	0.6%
Education	$36,640,000	5.4%

4.5.7 Land Use and Development Trends

Any development that occurs in flood zones will be at risk. Development in these areas should be limited. Flash flooding is more likely to occur in areas with a high percentage of impervious surfaces. Future land use practices should limit the percentage of impervious surfaces. **Chapter 5** contains mitigation actions that address these issues.

4.6 Hazardous Materials

4.6.1 Description

According to the Ohio Environmental Protection Agency, hazardous materials can be defined in different ways depending on the law or regulation administered by the Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA), the Department of Transportation (DOT), and the U.S. Nuclear Regulatory Commission (NRC).

- The Institute for Hazardous Materials Management defines hazardous materials as "any item or agent (biological, chemical, radiological, and/or physical), which has the potential to cause harm to humans, animals, or the environment, either by itself or through interaction with other factors."
- OSHA's definition includes any substance or chemical which is a health hazard or a physical hazard, including carcinogens, toxic agents, irritants, corrosives, and sensitizers, as well as agents that interact to be harmful to the human body, explosive, or flammable.
- The Environmental Protection Agency's definition includes the Occupational Safety and Health Administration definition. It also adds any item or chemical which can cause harm to people, plants, or animals when released into the environment.
- The Department of Transportation defines hazardous materials as any item or chemical which, when being transported or moved in commerce, is a risk to public safety or the environment.

The Ohio Environmental Protection Agency indicates that there are five categories in which materials can be hazardous, including acute, chronic, fire, reactive, or sudden release of pressure.

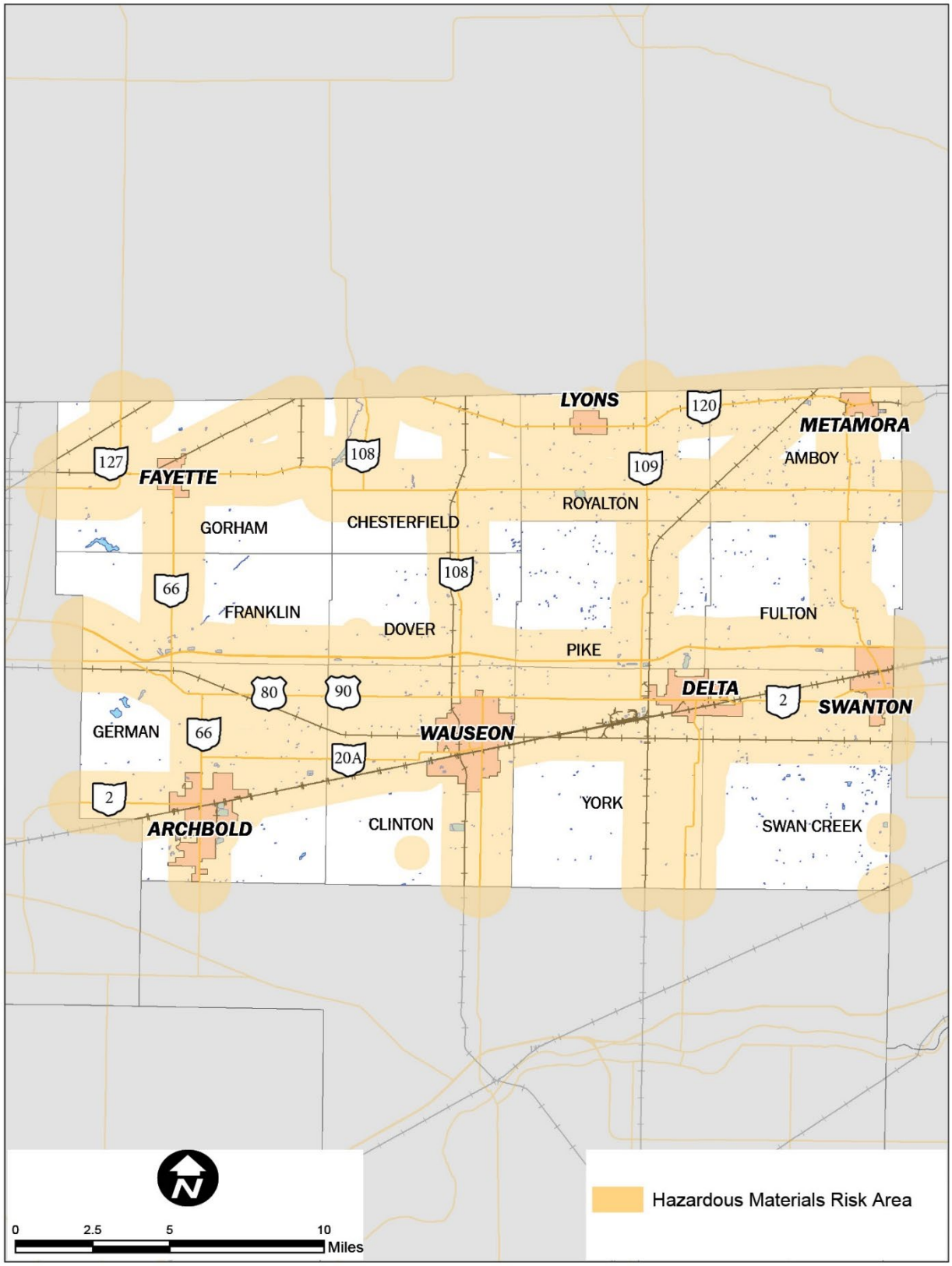
The U.S. Nuclear Regulatory Committee regulates materials that produce ionizing radiation, which includes by-product material and radioactive substances.

The Emergency Planning and Right to Know Act, or EPCRA, was passed as Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA), which requires a facility that processes, uses, or stores extremely hazardous substances or hazardous substances as classified by the Occupational Safety and Health Administration hazard communication standard. This is also codified in the Ohio Revised Code (ORC) Chapter 3750 and the Ohio Administrative Code Chapter 3750.

4.6.2 Location

Hazardous material spills can occur wherever hazardous materials are stored and during shipment to these facilities. **Figure 4.6.1** shows the areas which are at the highest risk of being impacted by hazardous materials spills. These areas were calculated by identifying normal shipping routes and placing a one-mile buffer around these routes.

Figure 4.6.1: Hazardous Materials Risk Area



4.6.3 Extent

The Environmental Protection Agency keeps records for Extremely Hazardous Substance facilities because these facilities have a higher probability of spills due to the higher amounts of hazardous materials at their sites. Each potential hazardous material has varying levels of toxicity. The concentration of these materials should be measured in parts-per-million to determine whether they present a threat. Many chemicals are safe at low amounts and low concentrations but can become dangerous and even toxic at high amounts and concentrations. Additionally, some chemicals can be flammable and can become more volatile when exposed to oxygen. In ground spills, untreated chemical and waste spills can contaminate the soil and drinking water, creating toxic environmental conditions. Corrosive, flammable, or explosive chemicals can create infrastructure damage depending on the location, amount spilled, and the circumstances of the incident. In worst case scenarios, large spills can trigger evacuations of residents and close transportation routes used for hazardous materials transportation, which can also affect local residents.

4.6.4 History

There have been 43 recorded hazardous material spills and releases in Fulton County from May 2017 through December 2019. Estimated property and crop damages have not been recorded.

Table 4.6.1 lists the hazardous materials spills and releases in Fulton County on record with the Ohio EPA from May 2017 through December 2019 (Source: Ohio Environmental Protection Agency).

Table 4.6.1: Hazardous Materials Spills

Location	Product	Amount	Spill Size
Dover Township	Oil Transformer non-PCB	15 Gallons	Small: 500 Gal/4000 lbs
Dover Township	Diesel Fuel	Unknown	Small: 500 Gal/4000 lbs
Franklin Township	Brown Material	Unknown	Unknown Amount
Village of Swanton	Water	Unknown	Unknown Amount
Royalton Township	Anhydrous Ammonia	2500 lbs	Small: 500 Gal/4000 lbs
Swan Creek Township	Solid Waste	Unknown	Unknown Amount
Dover Township	Diesel Fuel	50 Gallons	Small: 500 Gal/4000 lbs
Swan Creek Township	Diesel Fuel	Unknown	Unknown Amount
Swan Creek Township	Oil Motor	Unknown	Unknown Amount
City of Wauseon	Human Sewage	Unknown	Small: 500 Gal/4000 lbs
Pike Township	Gasoline	Unknown	Unknown Amount
Village of Fayette	Diesel Fuel	40 Gallons	Small: 500 Gal/4000 lbs
Fulton Township	Diesel Fuel	Unknown	Unknown Amount
German Township	Oil Transformer non-PCB	Unknown	Unknown Amount
Dover Township	Oil Transformer non-PCB	20 Gallons	Small: 500 Gal/4000 lbs
German Township	Diesel Fuel	40 Gallons	Small: 500 Gal/4000 lbs

Location	Product	Amount	Spill Size
Dover Township	Diesel Fuel	33 Gallons	Small: 500 Gal/4000 lbs
Village of Archbold	Anhydrous Ammonia	Unknown	Unknown Amount
Pike Township	Diesel Fuel	25 Gallons	Small: 500 Gal/4000 lbs
Pike Township	Diesel Fuel	50 Gallons	Small: 500 Gal/4000 lbs
Village of Archbold	Other	Unknown	Unknown Amount
Clinton Township	Gasoline	Unknown	Small: 500 Gal/4000 lbs
Fulton Township	Diesel Fuel	45 Gallons	Small: 500 Gal/4000 lbs
Village of Swanton	Propane	Unknown	Unknown Amount
Village of Archbold	Waste Water	Unknown	Unknown Amount
German Township	Fish Kill	Unknown	Small: 500 Gal/4000 lbs
Chesterfield Township	Diesel Fuel	200 Gallons	Small: 500 Gal/4000 lbs
Amboy Township	Oil Motor	Unknown	Unknown Amount
Pike Township	Fats / Oils / Grese	Unknown	Unknown Amount
Dover Township	Diesel Fuel	Unknown	Small: 500 Gal/4000 lbs
Dover Township	Oil Motor	Unknown	Unknown Amount
German Township	Air Odor Gasoline	25 Gallons	Small: 500 Gal/4000 lbs
Village of Archbold	Oil Transformer non-PCB	50 Gallons	Small: 500 Gal/4000 lbs
Swan Creek Township	Unknown	Unknown	Unknown Amount
Royalton Township	Other	Unknown	Unknown Amount
Dover Township	Diesel Fuel	100 Gallons	Small: 500 Gal/4000 lbs
Swan Creek Township	Other	Unknown	Unknown Amount
Swan Creek Township	Contaminated Water	Unknown	Unknown Amount
Village of Archbold	Oil Transformer non-PCB	150 Gallons	Small: 500 Gal/4000 lbs
Swan Creek Township	Brown Material	Unknown	Unknown Amount
Franklin Township	Paint / Laquer	Unknown	Unknown Amount
Franklin Township	Diesel Fuel	Unknown	Unknown Amount
Amboy Township	Diesel Fuel	30 Gallons	Small: 500 Gal/4000 lbs

4.6.5 Probability

Due to their unpredictable nature and the influence of human error, the probably of hazardous materials spills are difficult to quantify. Since hazardous material spills can occur at any time and they should be considered likely events.

4.6.6 Vulnerability Assessment

Infrastructure Impact

Roadways, waterways, and groundwater may be impact by hazardous materials spills. Road closures may occur as a direct or indirect result of hazardous materials spills.

Population Impact

The local population may be directly exposed to hazardous materials. If a large spill occurs, some residents may need to be evacuated and given shelter elsewhere.

Property Damage

Depending on the chemical, property damage is likely. Properties near Extremely Hazardous Substance facilities are likely to be damaged during a spill.

Loss of Life

While some hazardous materials can be toxic, loss of life from hazardous materials spills is unlikely. It is possible, however, and extreme precaution should be taken in the event of a spill.

Economic Losses

Economic losses can occur from the loss of hazardous materials that may be needed in manufacturing or for other processes. Road closures may lead to slowed commerce, and businesses impacted by hazardous materials spills may suffer property damage, damage to goods, or be required to close.

Table 4.6.2: Vulnerability of Land and Structures within Hazardous Materials Risk Area

Structure Type	Number of Properties Exposed	Value of Vulnerable Structures		
		Land	Building	Total
Residential	12,702	$91,679,860.00	$388,468,740.00	$480,148,600.00
Non-Residential	6446	$358,177,720.00	$270,130,690.00	$628,308,410.00
Critical Facilities	555	$21,158,160.00	$100,884,810.00	$122,042,970.00
Total	**19,148**	**$449,857,580.00**	**$658,599,430.00**	**$1,108,457,010.00**

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.6.7 Land Use and Development Trends

Development that has occurred since the previous plan and any future development near hazardous materials storage facilities may be impacted by hazardous materials spills. All land uses are equally impacted by potential hazardous materials spills.

4.7 Invasive Species

4.7.1 Description

Harmful Species are species that have potential negative impacts on the environment and economy of Fulton County. Harmful species are both native and invasive. The National Oceanic and Atmospheric Administration (NOAA) defines an invasive species as "an organism that causes ecological or economic harm in a new environment and is not native." Harmful species are species that are native to a region, but that also cause significant ecological, public health, or economic harm. Their growth is often encouraged through human activity.

4.7.2 Location

Invasive species have the potential to impact any location within the County.

4.7.3 Extent

According to the Ohio Administrative Code 901:5-30-01 *Invasive plant species*, there are 38 invasive plant species in Ohio (**Table 4.7.1**). These plants cannot be sold, distributed, or imported.

Table 4.7.1: Invasive Plant Species in Ohio

Scientific Name	Common Name
Ailanthus altissima	Tree-of-heaven
Alliaria petiolate	Garlic mustard
Berberis vulgaris	Common barberry
Butomus umbellatus	Flowering rush
Celastrus orbiculatus	Oriental bittersweet
Centaurea stoebe ssp. Micranthos	Spotted knapweed
Dipsacus fullonum	Common teasel
Dipsacus laciniatus	Cutleaf teasel
Egeria densa Brazillian	Elodea
Elaegnus angustifolia	Russian olive
Elaegnus umbellate	Autumn olive
Epilobium hirsutum	Hairy willow herb
Frangula alnus	Glossy buckthorn
Heracleum mantegazzianum	Giant hogweed
Hesperis matronlis	Dame's rocket
Hydrilla verticillata	Hydrilla

Scientific Name	Common Name
Hydrocharis morsus-ranae	European frog-bit
Lonicera japonica	Japanese honeysuckle
Lonicera maackii	Amur honeysuckle
Lonicera morrowii	Morrow's honeysuckle
Lonicera tatarica	Tatarian honeysuckle
Lythrum salicaria	Purple loosestrife
Lythrum virgatum	European wand loosestrife
Microstegium vimineum	Japanese stiltgrass
Myriophyllum aquaticum	Parrotfeather
Myriophyllum spicatum	Eurasian water-milfoil
Nymphoides peltata	Yellow floating heart
Phragmites australis	Common reed
Potamogeton crispus	Curley-leaved pondweed
Pueraria montana var. lobate	Kudzu
Pyrus calleryana	Callery pear
Ranunculus ficaria	Fig buttercup / Lesser celandine
Rhamnus cathartica	European buckthorn
Rosa multiflora	Multiflora rose
Trapa natans	Water chestnut
Typha angustifolia	Narrow-leaved cattail
Typha x glauca	Hybrid cattail
Vincetoxicum nigrum	Black dog-strangling vine / Black swallowwort

There are currently three invasive insect species that have the potential to impact Fulton County:

The **Emerald Ash Borer (EAB)** targets ash trees. This insect was first found in Ohio in 2003 and has been found in every county. Since the EAB has been found in every county, there are no quarantines in effect with Ohio's borders. Ohio is still listed in the Federal quarantine boundary.

The **Gypsy Moth** has been migrating into Ohio from Pennsylvania and Michigan. In the caterpillar stage the Gypsy Moth targets over 300 different trees and shrubs. A healthy tree will typically die within two years of a Gypsy Moth infestation. Gypsy Moth eggs are laid during July and overwinter

until late April to mid-May. An egg mass can contain up to 600 eggs. Before feeding, the larvae are dispersed by the wind to other trees or areas. The Gypsy Moth can lead to heavy defoliation and can make trees more susceptible to other invasive or harmful species. Preferred host plants include alder, aspen, gray birch, white birch, hawthorn, larch, linden, mountain ash, oaks, Lombardy poplar, willows, and witch-hazel. Trees that are susceptible to older larvae only include beech, red cedar, chestnut, hemlock, plum, pine, and Colorado blue spruce.

The **Walnut Twig Beetle** transmits the thousand cankers disease, a fungus that attacks black walnut trees. Butler County is currently under quarantine to limit the spread of the Walnut Twig Beetle throughout Ohio.

4.7.4 History

There are no known impacts of invasive species particular to Fulton County; however, it is possible that any of the species listed above have at one point affected the County and its residents.

4.7.5 Probability

Since there are many invasive species throughout Ohio, it is probable that Fulton County will experience some of the invasive species listed above.

4.7.6 Vulnerability Assessment

Infrastructure Impact

There are no likely impacts to public roadways or utilities. Public trees may be destroyed or impacted by various invasive species.

Population Impact

There are no likely impacts on the local population.

Property Damage

Property damage, in the form of reduced values from impacts on landscaping, is likely.

Loss of Life

Loss of life due to the effects of invasive species is unlikely.

Economic Losses

Economic impacts can vary greatly depending on the target and of the invasive species and their impacts on those targets. If a large number of trees are severely damaged or killed by various invasive species, there may be indirect economic losses. Examples include increased heating and cooling costs, reduced property value, and reduction in viable lumber for construction.

4.7.7 Land Use and Development Trends

There are no likely impacts on development and land use due to invasive species.

4.8 Landslide and Erosion

4.8.1 Description

The Ohio Department of Natural Resources (ODNR) defines a landslide as "a variety of downslope movements of earth materials. Some slides are rapid, occurring in seconds, whereas others may take hours, weeks, or even longer to develop." Landslides are commonly triggered by human-induced vibrations, over-steepened slopes, increased weight on a slope, and removal of vegetation on areas with landslide-prone slopes.

Erosion is the geological process in which earthen materials are worn away and transported by natural forces, such as wind or water. The movement of earthen materials by wind or water will be considered a landslide for the purposes of this Plan.

According to the Ohio Administrative Code 3901-1-48, mine subsidence is loss caused by the collapse or lateral or vertical movement of structures resulting from the caving in of underground mines, including coal mines, clay mines, limestone mines, and salt mines. Mine subsidence does not include loss caused by earthquakes, landslide, volcanic eruption, or collapse of strip mines, storm and sewer drains or rapid transit tunnels.

4.8.2 Location

Figure 4.8.1 shows the location of areas under risk for slope failure (landslides). Fulton County is categorized as either low incidence of landslides or moderate susceptibility with low incidence of slope failure. There are no known active or abandoned underground mines in Fulton County, mine subsidence will not be assessed further.

4.8.3 Extent

Landslides

There are three major types of landslides:

- **Rotational slump**, caused by the movement of a mass of weak rock or sediment as a block unit along a slope. These are the largest types of landslides found in Ohio.
- **Earthflow**, caused by a mass of rock or sediment flowing downslope. These are the most common landslides in Ohio.
- **Rockfall**, a rapid downslope movement of large blocks of bedrock. Most rockfalls in Ohio involve sandstone or limestone that has been weakened by surface water.

4.8.4 History

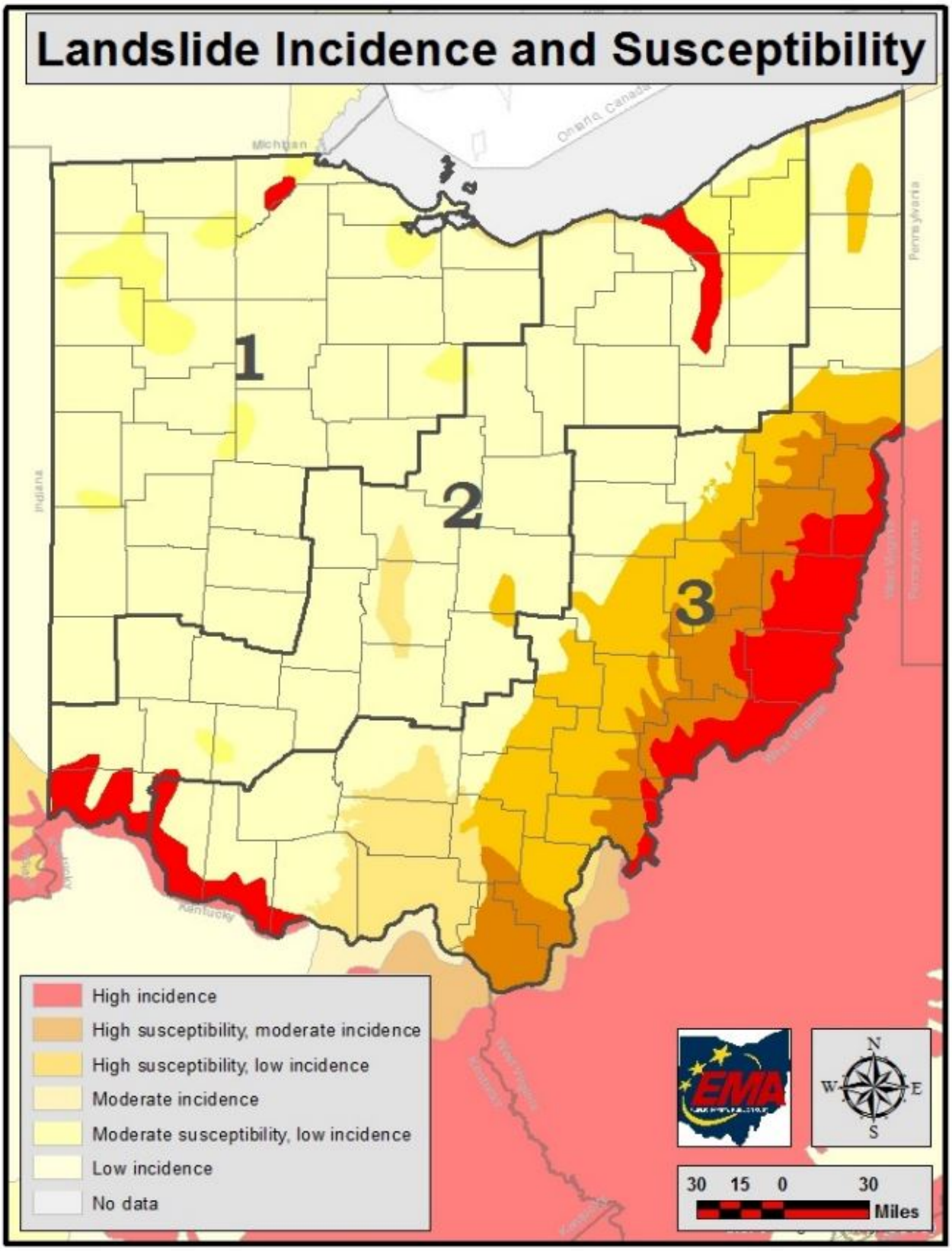
Figures 4.8.2 and 4.8.3 show that Fulton County has relatively low occurrences of landslides and rock falls as compared to other counties within Ohio, with 37 total landslides and no rockfall sites as of June 18, 2019.

4.8.5 Probability

Landslides

According to the ODNR, Fulton County falls within an area of low risk for slope failure. Landslides should be considered an unlikely event.

Figure 4.8.1: Landslide Incidence and Susceptibility Map (Source: Ohio EMA)



4.8.6 Vulnerability Assessment

Infrastructure Impact

Landslides can block or damage roadways and damage existing utility infrastructure. Mine subsidence can occur under existing roadways or utility infrastructure, causing anything from minor damage to complete destruction.

Population Impact

Landslides can cause injury or death if a person is struck by or trapped under falling earthen material. Mine subsidence can cause sinkholes under occupied structures which could lead to injuries.

Property Damage

Properties caught in the path of a landslide can be completely destroyed or severely damaged. Properties, including structures, can be completely destroyed by mine subsidence.

Loss of Life

Loss of life is possible during mine subsidence or landslides. There are no known fatalities in Fulton County due to mine subsidence or landslides.

Economic Losses

Both landslides and mine subsidence can block or destroy sections of roadways vital to shipping. Stores, storage facilities, and other structures that are important to economic activity can also be severely damaged or destroyed.

4.8.7 Land Use and Development Trends

Uses that serve vulnerable populations, such as schools and hospitals, should not be placed in areas that are in high risk zones for landslides. Development should be limited to areas with minimal slope to reduce potential losses during landslides.

Figure 4.8.2: State of Ohio Total Geohazards Landslide Inventory (Source: Ohio EMA)

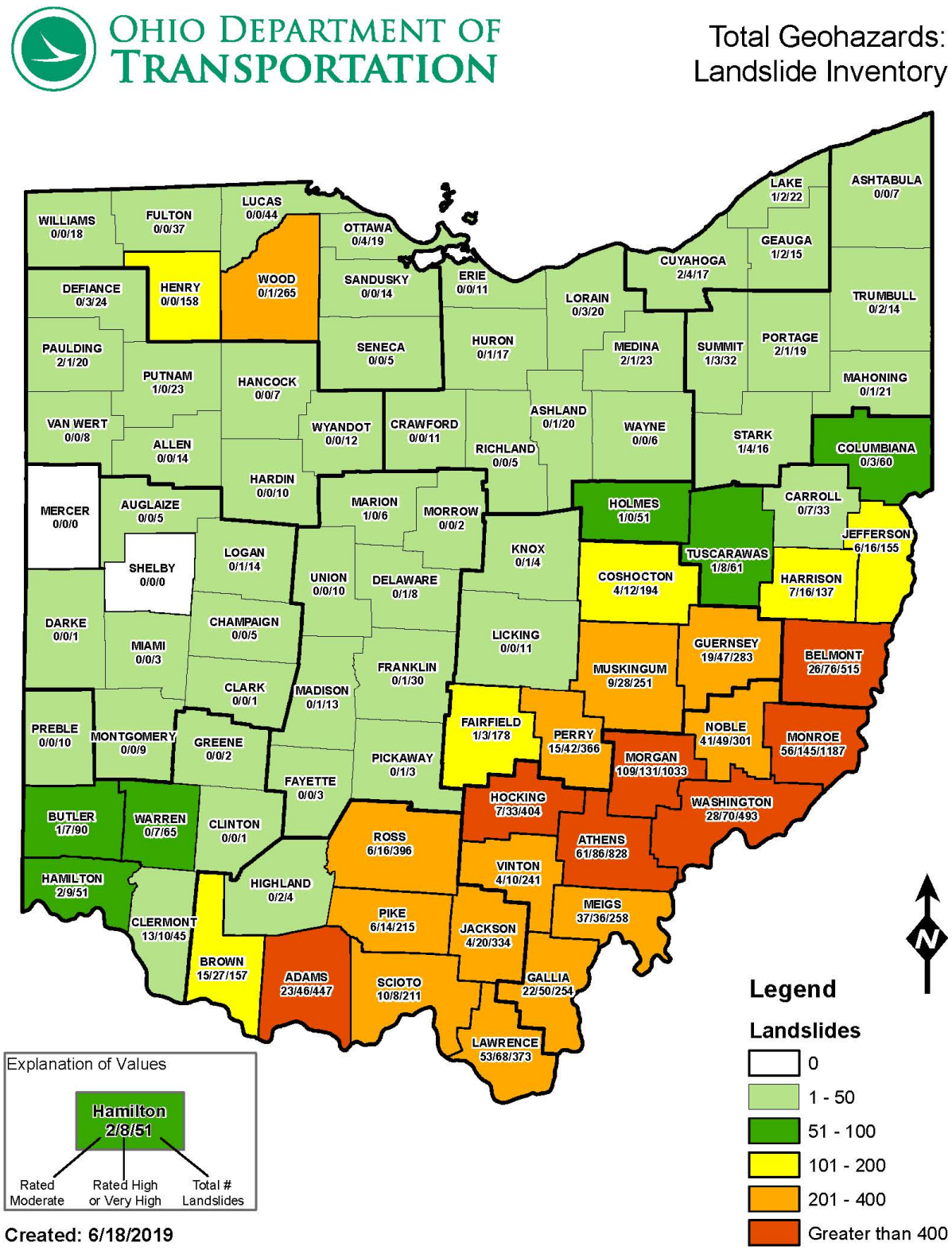
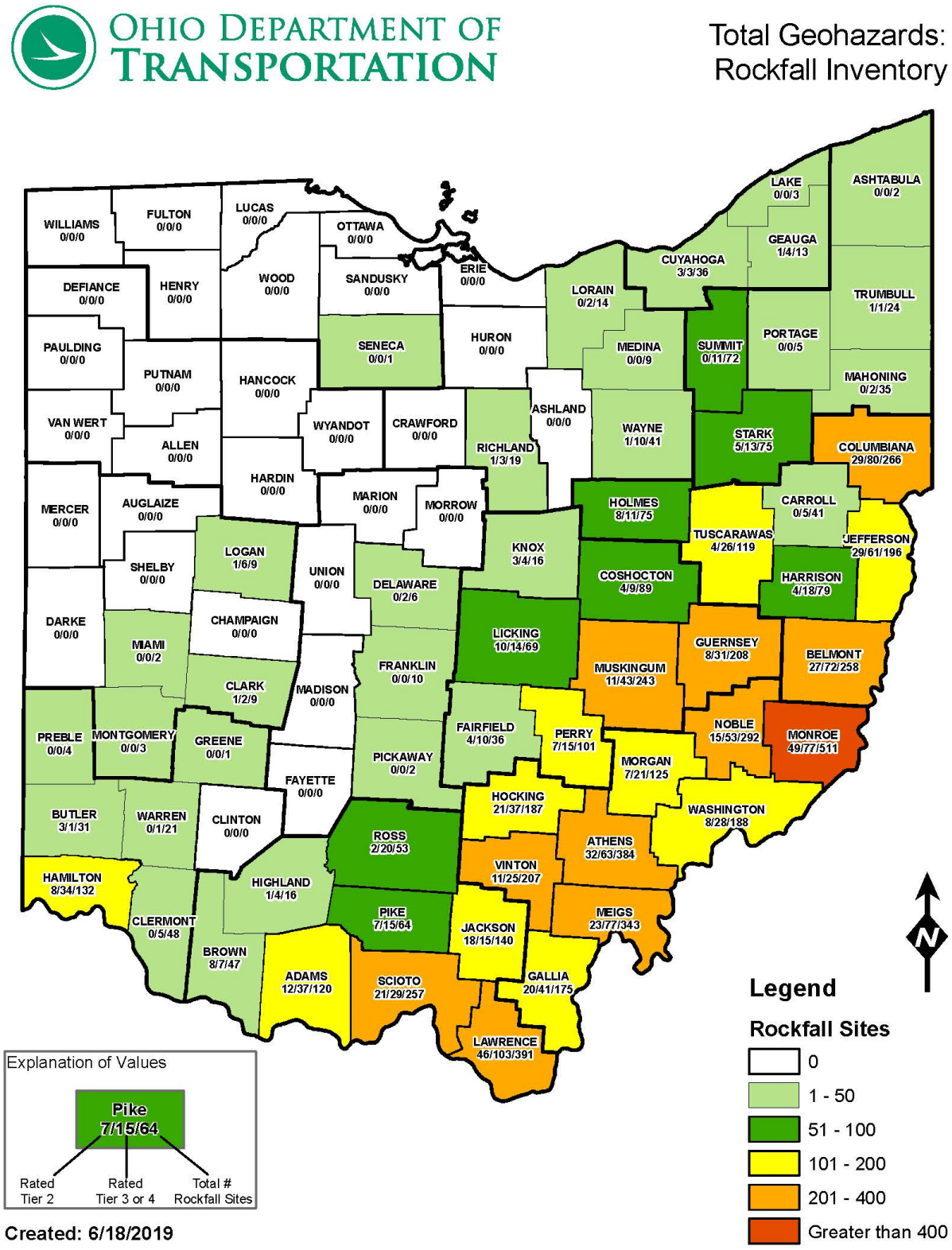


Figure 4.8.3: State of Ohio Total Geohazards Rockfall Inventory (Source: Ohio EMA)



4.9 Terrorism

4.9.1 Description

The Terrorism hazard is assessed as a way to monitor different types of terrorism and acts of violence inflicted on a civilian population. Terrorism is defined as "the unlawful use of force and violence against persons or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives" (28 CFR, Section 0.85). Tools used to conduct acts of terrorism include Weapons of Mass Destruction (WMD), biological, chemical, nuclear, and radiological weapons, arson, incendiary, explosives, armed attacks, industrial sabotage, intentional hazardous materials release, and cyberterrorism.

The Federal Bureau of Investigations (FBI) produces an annual terrorism report, which contains profiles and chronologies of terrorism incidents in the United States. Terrorism can be both International and Domestic, where International Terrorism is defined as acts "perpetrated by individuals and/or groups inspired by or associated with designated foreign terrorist organizations or nations (state-sponsored)" (Source: FBI). The second is Domestic Terrorism, defined as acts "perpetrated by individuals and/or groups inspired by or associated with primarily U.S.-based movements that espouse extremist ideologies of a political, religious, social, racial, or environmental nature" (Source: FBI).

Types of terrorism include cyberterrorism, agroterrorism, terrorism (biological), and terrorism (chemical). Stakeholders have also requested discussion on active aggressors as part of this hazard assessment. These types of terrorism and other complex/coordinated events are defined below:

- **Cyberterrorism:** Cyberterrorism is an electronic attack using one computer system against another, and attacks can be directed towards computers, networks, or entire systems. A cyber-attack may last minutes to days. Homeland Security, the FBI, and the Federal Communications Commission Department of Justice are often involved in developing countermeasures that focus on reducing the threat, vulnerability, and likelihood of attack.
- **Agroterrorism:** Agroterrorism is a direct, generally covert contamination of food supplies or the introduction of pests and/or disease agents to crops and livestock. An agricultural-based terror attack can last days to months.
- **Biological Terrorism**: Biological terrorism includes use of bacteria, viruses, or toxins to incite terror. This mode of terrorism can last minutes to months.
- **Chemical Terrorism**: Chemical terrorism includes use of nerve agents, choking agents, blood agents, or blister agents, to attack normal bodily functions of the nervous, respiratory, circulatory, and skin, respectively. Usually, an act of chemical-based terror lasts only minutes.
- **Active Aggressor:** An active aggressor is an armed individual or group of individuals that is intending to cause harm or inflict terror on a civilian population. An active aggressor (or group) may be armed with guns, knives, bombs, or any other weapon/implement that may be used to inflict harm.

4.9.2 Location

Terrorism events have generally been localized within a single jurisdiction. Coordinated events have occurred historically, greatly expanding the number of affected jurisdictions. Based on the nature of the event, several jurisdictions may respond to an incident.

4.9.3 Extent

The extent of each of these terrorism events includes:

- **Cyberterrorism**: Typically, the built environment is unaffected by a cyber-attack. Inadequate security can facilitate access to critical computer systems, allowing them to be used to conduct attacks.
- **Agroterrorism**: The extent of the effects varies by type of incident. Inadequate security can facilitate the adulteration of food and introduction of pests and disease agents to crops and livestock.
- **Biological Terrorism**: A biological attack could cause illness and even kill hundreds of thousands of people, overwhelm public health capabilities, and create significant economic, societal and political consequences. Public health infrastructure must be prepared to prevent illness and injury that would result from biological terrorism.
- **Chemical Terrorism**: Most chemical agents are capable of causing serious injuries or death, and their often-rapid course of action, means there is very little time to act when an act of chemical terrorism occurs. Public health infrastructure must be prepared to prevent illness and injury that would result from chemical terrorism.
- **Active Aggressor**: Active aggressor incidents often occur in areas where a number of people gather regularly. This may be a place of employment, a neighborhood gathering area (church, recreational center, school, etc.), or other location.

Terrorist threats may also occur among school districts within the County. Threats can last several hours or even days and cause multiple problems such as disturbing a school's order, causing traffic jams, and inducing civil panic. Individuals, groups, and institutions should be aware of, and understand how to react to, such potential threats immediately and appropriately.

4.9.4 History

There have been no reported terrorism events in Fulton County. Terrorist plots have been thwarted in Columbus, Dayton, Cincinnati, and Cleveland, among other locations. Mass shootings, such as a school shooting, are an example of an Active Aggressor situation. While there are no recorded school shootings or terrorism incidents in Fulton County, local officials have determined that the risk of such an incident occurring in Fulton County exists.

4.9.5 Probability

Terrorism-related events are not predictable. As these events are man-made, they should be considered unlikely but not impossible. Cyberattacks are becoming more likely, with 21,239 public sector attacks occurring nationwide in 2016 according to the U.S. Council of Economic Affairs. Utility systems experienced 32 attacks nationwide in 2016.

4.9.6 Vulnerability Assessment

Infrastructure Impact

Above ground structures such as government buildings, churches, libraries, and schools, as well as below-ground infrastructure such as natural gas pipelines, are at risk for terrorism damage. Acts of cyberterrorism have the potential to target systems that may influence or control infrastructure.

Population Impact
The population of Fulton County is likely to be impacted should an act of terror occur. It is important that public health organizations are prepared to prevent illness and injury that may result from acts of terror.

Property Damage
Since coordinated incidents can occur anywhere within the County, property damage is a possible outcome of such an event. Agroterrorism may result in damage to crops, and an active aggressor situation may result in minimal property damage.

Loss of Life
Acts of terror are likely to result in loss of life. It is important that public health and healthcare organizations are prepared to act quickly should an act of terror occur.

Economic Losses
Since the probability of a coordinated attack happening in Fulton County is very low, and there is less than a one percent chance of this type of hazard occurring in any given year, local terrorism-related economic losses are estimated at zero. However, terror attacks occurring in other locations have the potential to have economic impacts in Fulton County.

Transportation networks, such as air transportation, can be shut down as a result of terrorism, impeding profits and resulting in economic losses to organizations within the County. Any nationwide complex/coordinated attack or act of terror that results in a temporary freeze of goods or services has the potential to limit or suspend economic activity in Fulton County as well.

4.9.7 Land Use and Development Trends
Terrorism-related events can occur anywhere. Non-residential land uses are more likely to be targeted for terror events or active shooters. Schools and government buildings should have active shooter plans in place.

4.10 Thunderstorms

4.10.1 Description

Thunderstorm events may include severe Thunderstorms, hail, and lightning. Tornadoes and flooding may also be related to Thunderstorms as severe storm events, and due to the potential threat of these events, they are each discussed in separate risk assessments. While tropical storms and hurricanes are also forms of severe storms, Fulton County does not have any record of such events affecting the County; therefore, the County has not deemed tropical storms and hurricanes to be a threat and these specific types of weather will not be addressed further.

According to the National Weather Service (NWS), a severe thunderstorm is a thunderstorm that produces a tornado, winds of at least 58 MPH, and/or hail at least one inch in diameter. A Severe Thunderstorm Watch is issued by the NWS if conditions are favorable for the development of severe Thunderstorms. A watch is usually in place for four to eight hours, during which time people should be prepared to move to safe place if threatening weather approaches.

A Severe Thunderstorm Warning is issued if either the WSR-88D radar indicates a severe thunderstorm or if a spotter reports a storm producing hail or winds meeting the criteria outlined in the description of a severe thunderstorm. The WSR-88D radar is an advanced Weather Surveillance Doppler Radar utilized by the NWS to generate a radar image. The NWS recommends that people in the affected area seek safe shelter immediately, as severe Thunderstorms have the potential to produce tornadoes with little to no advance warning. Lightning frequency is not a criterion for issuing a severe thunderstorm warning. The warnings are usually issued for one hour and can be issued without a Severe Thunderstorm Watch already in effect. The National Weather Service Forecast Office in Northern Indiana is responsible for issuing Severe Thunderstorm Watches and Warnings for Fulton County.

Lightning is caused by a rapid discharge of electrical energy that has built up in the atmosphere between clouds, the air, or the ground. Lightning strikes can be either direct or indirect. A direct strike is when lightning strikes a building or a specific zone, which can result in fusion points melting holes of varying sizes at the point of impact of materials with high resistivity. An indirect lightning strike is when lightning causes power surges that disrupt electrical equipment.

Severe storms can also create strong winds – often called “straight-line” winds to differentiate thunderstorm winds from tornadic winds. These winds, which have the potential to cause damage, are caused by an outflow generated by a thunderstorm downdraft. Windstorms are discussed in more detail in **Section 4.15.**

Hail is a type of frozen precipitation that occurs when thunderstorm updrafts carry raindrops upward into extremely cold atmospheric zones where they freeze before falling to the ground. The resulting hailstones can fall at speeds greater than 100 MPH and range in size from smaller than 0.50 inches (the size of a pea) to 4.5 inches (the size of a softball) (Source: National Weather Service).

4.10.2 Location

Severe storms are a countywide hazard and all of Fulton County is susceptible to severe weather.

4.10.3 Extent

Severe storm events have the potential to create large-scale damage in Fulton County. Specifically, lightning is responsible for approximately 50 deaths annually across the United States, as well as

hundreds of injuries (Source: NOAA). Winds have the potential to cause damage by bringing down tree limbs and generating widespread power outages. Both strong winds and hail can result in property damage. People living in mobile homes are especially at risk for injury and death due to strong winds. Even anchored mobile homes can be seriously damaged if winds gust over 80 MPH.

4.10.4 History

According to the National Climatic Data Center (NCDC), there have been 93 thunderstorm wind events, 36 hail events, and one lightning event recorded in Fulton County from August 1962 to December 2019. These events resulted in $1.25 million in property damage and $2.0 million in crop damage. These events were not responsible for any deaths or injuries. These events are summarized in **Table 4.10.1**, below. A complete list of severe storm events can be found in **Appendix A**.

Table 4.10.1: Thunderstorm-Related Events in Fulton County since 1962

Severe Storm Event Type	Number of Events	Injuries	Deaths	Property Damages	Crop Damages
Thunderstorm Wind	93	0	0	$554,002	$0
Hail	36	0	0	$650,000	$2,000,000
Lightning	1	0	0	$50,000	$0
Total	**130**	**0**	**0**	**$1,254,002**	**$2,000,000**

The most damaging thunderstorm, hail, and lightning events, based on property and crop damages, are associated with a line of storms that approached the County on August 24, 1998, having produced high winds and tornadic activity throughout northern Indiana. These events are described below based on narratives provided by the NCDC. Fulton County has not been associated with any thunderstorm-related disaster declarations since the previous hazard mitigation plan.

August 25, 1998

This line of severe weather and Thunderstorms was responsible for $200,000 in property damage and affected the City of Wauseon and the Village of Archbold. No crop damage was reported.

August 24, 1998

Several homes near Archbold sustained moderate to severe structural damage from the high winds associated with this storm event, with hail causing significant damage. One homeowner had his chimney collapse which fell through the roof. They also lost several windows on the west side of the home from flying debris. Another homeowner had his barn blown off its foundation and had every tree on their property uprooted. Several crop fields in the area were heavily damaged by the high winds and hail.

This event was responsible for $650,000 in property damage and $2.0 million in crop damages.

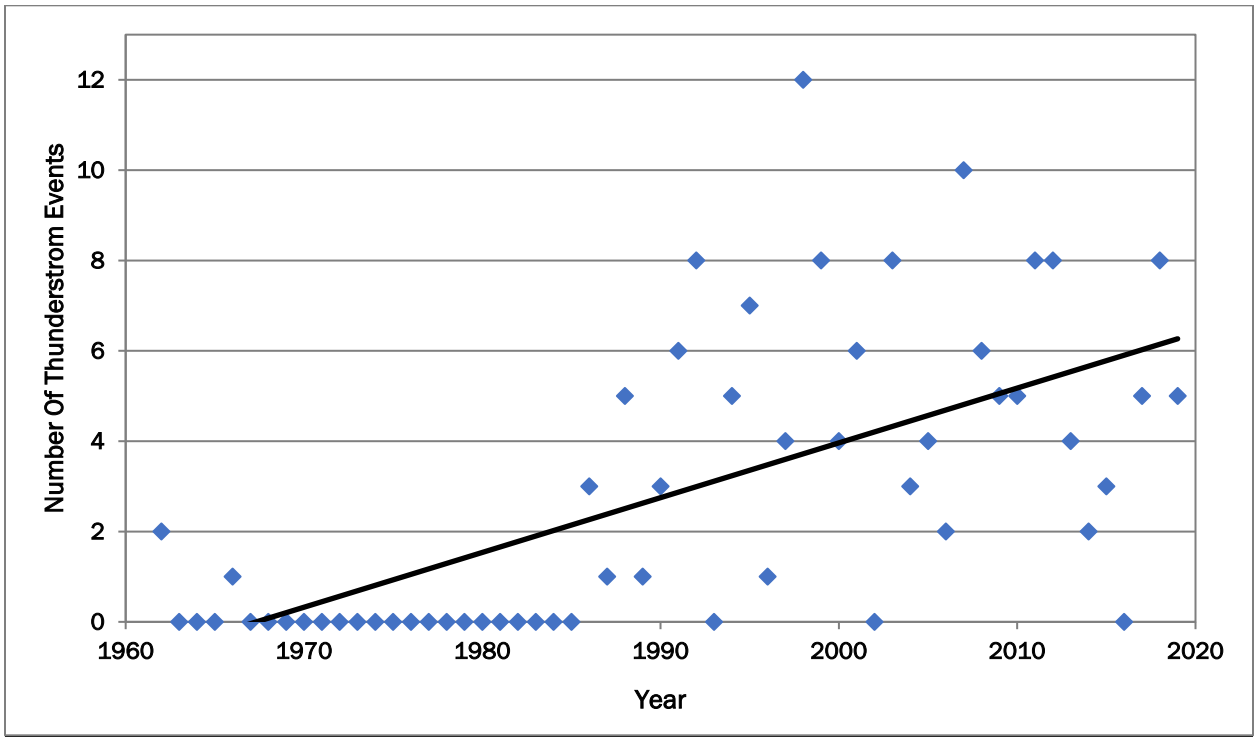
4.10.5 Probability

According to the NCDC, there have been 130 thunderstorm events reported in Fulton County from August 1962 to December 2019, with total losses reaching more than $1.25 million in property damage and $2.0 million in crop damage. This amounts to between two and three severe storm events annually with average annual damages of $57,387. It is significant to note that while there

has been a total of $2.0 million in crop damages as a result of hail, these damages are associated with only one event. Thunderstorm events do not regularly result in damages to crops; however, it is a possibility.

Furthermore, **Figure 4.10.1** below shows the trend in number of thunderstorm events per year over time. The trend line has a positive slope, which indicates thunderstorm events are becoming more common each year.

Figure 4.10.1: Thunderstorm Probability



4.10.6 Vulnerability Assessment

Infrastructure Impact

Above-ground infrastructure is at risk for storm damage by wind and falling debris. For infrastructure, high winds and hail are the most damaging part of a severe storm. High winds can strip bark from trees and detach limbs. If large branches fall, they can damage buildings and supporting above-ground infrastructure. In the most severe storms with high winds, large trees can be uprooted and have the potential to fall on buildings, including houses, which can cause harm or death.

Utilities are at risk for damage by severe storms, as well. Electrical lines are spread throughout the County connecting homes, businesses, and other facilities. Severe storms are likely to down tree limbs and generate other debris that can affect above-ground electrical lines, causing power outages. Downed power lines that are still live are extremely hazardous and can cause death by electrocution.

Population Impact

According to the American Community Survey's 2018 population estimates, the population of Fulton County is approximately 42,276. Summer storms are random in nature and affect the entire area of the County. Everyone within the County should be prepared during a storm event. Populations residing in mobile home parks are particularly vulnerable and should seek out shelters.

Property Damage
As described above, these events have caused an average of $57,387 in property and crop damages annually. Due to the non-site-specific nature of this hazard, **Table 4.10.2** lists all structures within Fulton County as having potential impacts from severe storms.

Loss of Life
Although no injuries or loss of life was reported due to the 130 thunderstorm events on record with the NCDC, there is always potential for injuries and fatalities during severe weather.

Economic Losses
Severe storms usually cause minor damage to structures, such as blowing shingles off roofs and downed branches breaking windows or falling onto buildings and above-ground infrastructure. More severe damage may also result. Of the 130 severe summer storm events since 1962, 17 events resulted in property damage of $10,000 or more. The costliest storm in the County's history was a thunderstorm wind event on August 25, 1998 which caused $200,000 in property damage between the Village of Archbold and the City of Wauseon.

Table 4.10.2: Structure Vulnerability from Severe Storms

Structure Type	Number of Properties Exposed	Value of Vulnerable Structures		
		Land	Building	Total
Residential	15,276	$113,485,850.00	$477,007,830.00	$590,493,680.00
Non-Residential	7,988	$466,326,940.00	$296,274,420.00	$762,601,360.00
Critical Facilities	650	$24,645,280.00	$102,451,130.00	$127,096,410.00
Total	**23,264**	**$579,812,790.00**	**$773,282,250.00**	**$1,353,095,040.00**

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.10.7 Land Use and Development Trends
Severe storms can occur anywhere. Any development that has occurred since the previous plan and any future development has the potential to be impacted by severe storms.

4.11 Tornadoes

4.11.1 Description

FEMA defines a tornado as 'a violently rotating column of air extending from a thunderstorm to the ground.' Tornadoes can generate wind speeds of greater than 250 MPH. Tornado paths can be as large as one mile wide and 50 miles long. Nationally, there is an average of 800 tornadoes reported annually across all 50 states.

In general, the midsection of the United States experiences a higher rate of tornadoes than other parts of the country because of the recurrent collision of moist, warm air moving north from the Gulf of Mexico with colder fronts moving east from the Rocky Mountains. Supercells, which form from rotating Thunderstorms, are the most destructive variety of tornado.

Tornado Warnings are issued by the Northern Indiana NWS Forecast Office when a tornado is indicated by the WSR-88D radar or sighted in person by spotters. The WSR-88D radar is an advanced Weather Surveillance Doppler Radar utilized by the NWS to generate a radar image. Once a warning has been issued, people in the warning area should seek shelter immediately. Warnings will include the location of the tornado, as well as what communities will be in its path. A tornado warning can be issued without a tornado watch, and they are typically issued for 30 minutes at a time. If the thunderstorm responsible for the formation of the tornado is also producing large volumes of rain, the tornado warning may be combined with a Flash Flood Warning. The NWS Office will follow up any Tornado Warnings with Severe Weather Statements to provide up to date information on the tornado and inform the public when the warning is no longer in effect. (Source: NWS).

4.11.2 Location

Tornadoes can occur anywhere in Fulton County. All areas and jurisdictions should be considered at risk for a tornado.

4.11.3 Extent

Tornadoes are measured by damage scale for their winds, with greater damage equating greater wind speed. The original Fujita Tornado Damage Scale (F-scale) was developed in 1971, without much consideration to a structure's integrity or condition as it relates to the wind speed required to damage it. The Enhanced Fujita-scale (EF-Scale) took effect on February 1, 2007. This scale starts with the original F-scale's F0-F5 ratings and also classifies tornado damage across 28 different types of damage indicators. These indicators mostly involve building/structure type and are assessed at eight damage levels from 1-8. Therefore, construction types and their relative strengths and weaknesses are incorporated into the EF classification given to a particular tornado. The most intense damage within the tornado path will generally determine the EF scale given the tornado. **Table 4.11.1** lists the classifications under the EF- and F-scale. It should be noted that the wind speeds listed in this table are estimates based on damage rather than measurements.

There are no plans by National Oceanic Atmospheric Administration (NOAA) or the National Weather Service to re-evaluate the historical tornado data using the enhanced scale. Therefore, this Plan and subsequent plans will reference both scales until a complete switchover is deemed necessary.

Figure 4.11.1, below, simulates an extremely destructive, worst case scenario EF5 tornado and its impacts on Fulton County assets and infrastructure. The worst-case scenario is simulated by running the EF5 tornado on a straight path through the most populated areas of the County. This theoretical scenario is performed to determine maximum potential damage within the County.

Figure 4.11.1: Worst Case Tornado Scenario

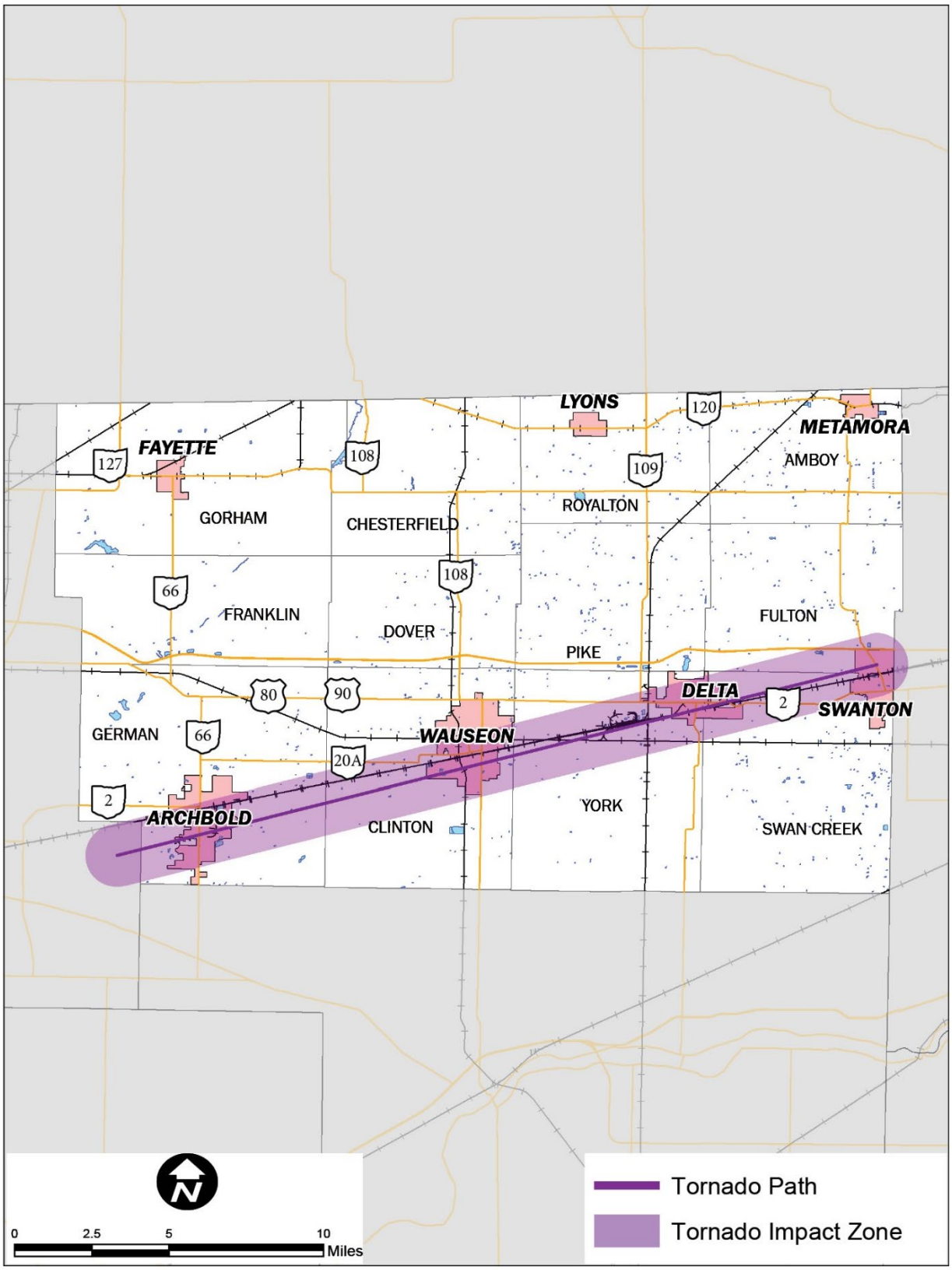


Table 4.11.1 Fujita and Enhanced Fujita Scale Classifications (Source: SOHMP)

Fujita Scale 3-Second Wind Gust (MPH)		Damage Levels	Enhanced Fujita Scale 3-Second Wind Gust (MPH)	
F0	45-78	**Light Damage**: Tree branches down.	EF-0	65-85
F1	79-117	**Moderate damage**: Roof damage.	EF-1	86-110
F2	118-161	**Considerable damage**: Houses damaged.	EF-2	111-135
F3	162-209	**Severe damage**: Buildings damaged.	EF-3	136-165
F4	210-261	**Devastating damage**: Structures leveled.	EF-4	166-200
F5	262-317	**Incredible damage**: Whole towns destroyed.	EF-5	Over 200

4.11.4 History

There have been 12 tornadoes in Fulton County between May 1954 and October 2019, resulting in a total of $5.85 million in property damage and no crop damage. These tornadoes were responsible for eight injuries and one death. Only one of these events occurred in the last ten years. Annualized property damages average to approximately $90,000. Events with recorded property damages, injuries, and fatalities are described below.

Tornado in South Delta, Fulton County on June 5, 2010

An EF-2 tornado touched down along Highway 109 just north of County Road A and moved northeast, impacting several homes, trees and power lines. Several homes were severely damaged or destroyed. Additionally, improper anchoring of some of the homes resulted in a failure on all walls, resulting in their destruction. Several trees were uprooted or damaged, including through the Maumee State Forest. The tornado ended near the Fulton/Lucas county line. The maximum width of the tornado was around 700 yards with maximum wind speeds estimated around 130 MPH. Damage is estimated at $500,000. No deaths or injuries were reported.

Tornado in Amboy Township, Fulton County on July 14, 1992

An F1 tornado caused $25,000 in property damage. There were no reported deaths or injuries. The tornado was 73 yards wide and tracked 0.1 miles.

Tornado in Pettisville, Fulton County on July 12, 1992
An F2 tornado caused $2.5 million in property damage in the Community of Pettisville, Ohio. There were eight reported injuries and no reported deaths. The tornado tracked two miles and measured 150 yards in width.

Tornado in Village of Fayette, Fulton County on May 25, 1989
An F1 tornado caused $25,000 in property damage, moving cars, imploding windows, destroying a shed, and shearing tops off trees. A factory in the Village of Fayette was also damaged. No injuries or fatalities were reported. The tornado was recorded to be 50 yards wide and tracked 2.5 miles.

Tornado in Fulton County on June 7, 1980
An F1 tornado caused $2.5 million in property damage on June 7, 1980. The tornado was recorded to be 50 yards wide and tracked one mile. No deaths or injuries were reported.

Tornado in Fulton County on June 20, 1972
A squall line moved into Fulton and Lucas counties on the evening of June 20, 1972. The F0 tornado touched down in one location destroying a house trailer and killing its lone occupant. The trailer was located 0.25 miles south of SR-2 on CR-20. Investigation of the area revealed that only the floor of the trailer, which was resting on a foundation, remained. Debris was scattered for approximately 200 yards to the southwest. Numerous trees and heavy branches were broken in the Community of Pettisville, which is just to the east of the trailer site. A total of $25,000 in property damage was reported, along with the one death. No additional injuries were recorded.

Tornado in Chesterfield Township, Fulton County on June 1, 1969
An F1 tornado measuring 33 yards wide touched ground in Chesterfield Township, tearing a mobile home into several pieces. Total property damage was estimated to be $2,500 and no deaths or injuries were reported.

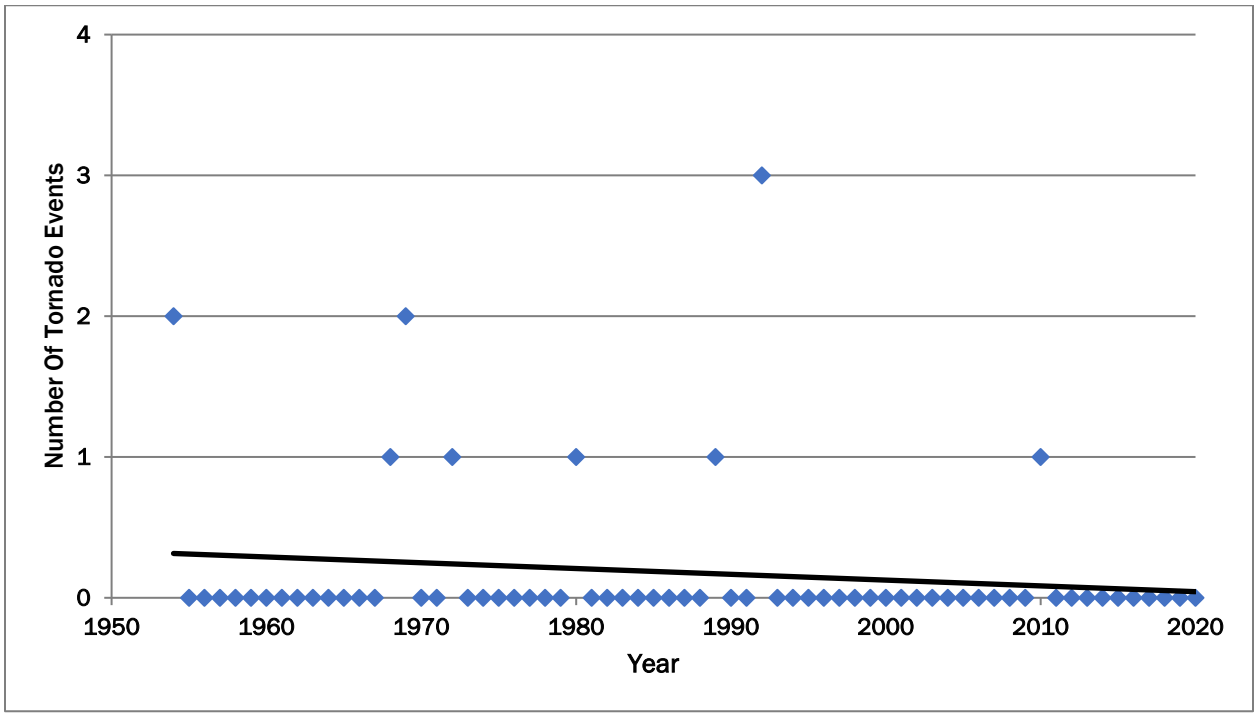
Tornado near the Village of Delta, Fulton County on July 4, 1969
An F1 skipped eastward through a rural area just south of the Village of Delta. Huge trees were uprooted, and two barns were torn apart – leaving only the foundations. At least three other buildings and two homes were damaged along the storm's path. $25,000 in property damages were recorded, and no deaths or injuries were reported.

Tornado in Gorham Township, Fulton County on April 23, 1968
An F1 tornado measuring 100 yards wide caused $25,000 in property damage. There we no reported deaths of injuries.

4.11.5 Probability
There have been 12 tornadoes in Fulton County since May 1954 and one within the past decade. As such, tornadoes are likely to occur within Fulton County and result in an average of $90,000 of property damages annually.

Figure 4.11.2 shows the trend line for the number of tornado events per year over time. The trend line has a slightly negative slope, which indicates that the number of events, on average, is decreasing slightly over time; however, it should be noted that tornadoes have the potential to occur multiple times each year if the conditions support such an event.

Figure 4.11.2: Tornado Probability



4.11.6 Vulnerability Assessment

Infrastructure Impact

Above ground infrastructure can be damaged by high tornado winds. Debris caught in the high winds can also cause damage to buildings and infrastructure, including road closure. Above ground utility infrastructure can be damaged or destroyed, which can cause service outages.

Population Impact

Tornadoes are random in nature and have the potential to occur anywhere in the County. Everyone within the County should be prepared for a tornado. Residents in mobile home parks are particularly vulnerable and should have a plan in place.

Property Damage

Tornadoes can cause significant damage to buildings and properties. There have been 12 tornadoes in Fulton County which have caused more than $5.85 million in property damage. Annually, this amounts to $90,000 in property damage. **Table 4.11.2** details the structure vulnerability from tornadoes for Fulton County.

Loss of Life

At least one life has been lost as a result of a tornado in Fulton County. There is potential for loss of life during any tornado event.

Economic Losses

Tornadoes can cause major damage to structures and roads. Higher severity tornadoes have the potential to completely destroy structures. Debris also has the potential to cause damage to structures by breaking windows, damaging walls, or falling directly onto buildings and above-ground infrastructure.

Damages to utilities and roadways may also cause economic damage due to business closures, destruction of goods that require electricity, and halting economic activity.

Table 4.11.2: Structure Vulnerability from Tornadoes

Structure Type	Number of Properties Exposed	Value of Vulnerable Structures		
		Land	Building	Total
Residential	6,525	$45,489,330.00	$188,874,730.00	$234,364,060.00
Non-Residential	2,197	$83,425,920.00	$168,778,350.00	$252,204,270.00
Critical Facilities	294	$12,802,450.00	$78,076,720.00	$90,879,170.00
Total	8,722	$128,915,250.00	$357,653,080.00	$486,568,330.00

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.11.7 Land Use and Development Trends

Tornadoes can occur anywhere. Any development that has occurred since that previous plan and any future development has the potential to be impacted by tornadoes.

4.12 Utility Failure

4.12.1 Description

Utility failure refers to the loss of electric power (blackouts), water, sewage, natural gas or other utilities. These are primarily caused by system overload or lack of updated infrastructure. Power failures are generally caused by natural events, such as severe storms, ice storms, tornadoes, and high winds. These power failures are common and cannot easily be predicted due to the random nature of storms; however, updates to infrastructure can reduce the among and frequency of these power outages.

Fulton County residents receive electric services from American Electric Power, Toledo Edison, Ohio Edison, Duke Energy, and the Tricounty Rural Electric Cooperative, Inc. Natural gas is provided by Columbia Gas of Ohio, Dominion Energy, and Duke Energy. Residential internet providers include Spectrum, CenturyLink, Windstream, Viasat, and HughesNet. Water services are provided by the Wauseon Water Department, the Archbold Village Water Department, and the Delta Water Department.

4.12.2 Location

Depending on the cause, blackouts can be isolated or countywide. Utility failures can occur in any area where the utility is provided.

4.12.3 Extent

Utility failures due to damaged infrastructure have the potential to impact large areas of the County through the loss of utilities that provide necessary services for the population. Loss of electric or gas can affect household temperatures, which can lead to severe dehydration or possibility of loss of life if outdoor temperatures are extreme. Additionally, utility failure affecting the water service has the potential to lead to contamination of the water supply.

4.12.4 History

While numerous utility failures have occurred within Fulton County in the form of power outages due to severe storms, severe winter weather, or other natural hazards; widespread utility failure has not been recorded in the County. Events resulting in power outages can be referenced in the Risk Assessment sections of the appropriate hazard.

4.12.5 Probability

As there are no previous indications that a widespread utility failure has occurred in Fulton County, there is less than one percent chance of a widespread utility failure within the County. However, it is likely that utility failures in the form of power outages will occur throughout any given year due to severe storms, ice storms, and other natural hazards. Probability of these natural hazards can be found in their respective sections.

4.12.6 Vulnerability Assessment

Infrastructure Impact

In the event of a utility failure caused by downed power lines, roads may be closed. Utility infrastructure may also suffer long-term damage as a result of such an event.

Population Impact

Extensive utility failures can threaten the health and safety of the public. During extreme temperature events, the impacts on residents are heightened. Loss of utilities that provide air conditional or heat can create a safety hazard, especially for children and older populations. The County and/or communities should have a plan in place for how to notify and assist residents in case of utility failure.

Property Damage

Direct damage to property may result directly from downed power lines. Fires may also occur because of downed power lines.

Loss of Life

Loss of life from the loss of electricity can occur. Those who depend on electricity for necessary medical treatment are at risk. Critical facilities such as hospitals and nursing homes should be prepared in the event of a utility failure, as they manage sensitive populations that may be reliant on utilities. Downed power lines can also lead unsafe environments with live electric lines that have the potential to lead to loss of life.

Economic Losses

Blackouts are often caused by systems that are aging and deteriorating, and updates to these systems may require additional funds. Economic loss can occur because of reduced commercial activity. Goods that need electricity or other utilities for preservation may also be lost. If widespread blackouts occur, people may not be able to work, and wages or income may be lost as a result.

4.12.7 Land Use and Development Trends

Utility failure can impact any development. All development that has occurred since the previous plan and all development in the future can be impacted by utility failure.

4.13 Wildfire

4.13.1 Description

A wildfire is a fire in an area of combustible vegetation that occurs in the countryside or rural area. The Ohio Department of Natural Resources identifies Ohio's wildfire seasons as occurring primarily in the spring (March, April, and May) before vegetation has "greened-up" and in the fall (October and November) when leaf drop occurs. During these times and especially when weather conditions are warm, windy and with low humidity, cured vegetation is particularly susceptible to burning. Fuel (vegetation, woody debris), weather (wind, temperature, humidity) and topography (hills and valleys) can combine to present an extreme danger to unwary civilians and firefighters in the path of a wildfire. Each year an average of 1,000 wildfires burn 4,000 to 6,000 acres of forest and grassland within Ohio's forest fire protection district, which corresponds mostly to the state's unglaciated hill country.

4.13.2 Location

According to the *State of Ohio Hazard Mitigation Plan (SOHMP)*, Swan Creek Township has been identified as part of the Ohio Department of Natural Resources Division of Forestry's Wildfire Protection Area. Furthermore, the entirety of Fulton County has been included in the Division of Forestry's Expanded Forest Fire Protection Area. Counties within this region tend to have abundant forested lands and grasslands and, as such, represent the area of highest wildfire risk and hazard in the State of Ohio. The Ohio Wildfire Hazard Assessment is included in **Figure 4.13.1**. This assessment identifies wildfire risk level by township and classifies all townships in Fulton County as low risk for wildfire.

4.13.3 Extent

Several factors can contribute to the escalation of risk of wildfires, including the prevalence of forests and agricultural lands and their close proximity to homes, residences, and structures, as well as the distance between fire and emergency management services. In these cases, presence of fire near structures causes fire departments to shift focus away from fire suppression and towards structure protection.

According to the *SOHMP*, 99.9 percent of wildfires in Ohio are caused by human action or accident. As such, many wildfires in the State burn into close proximity of homes and structures. From 1997 to 2007, the main causes of wildfire in Ohio included debris burning, incendiary (arson), equipment, smoking, campfires, children (playing with matches), lightning, and railroad.

4.13.4 History

The *SOHMP* identifies 111 total fire events from January 1, 2007 to December 31, 2017, which averaged to ten events annually. These events burned a total of 763 acres, averaging 6.87 acres per event.

Estimating the monetary losses associated with wildfires is difficult due the fact that most of these events occur in open land or fields, with monetary losses often not being recorded. This lack of data may result in inconsistencies if an analysis was done based on reported monetary loss. As such, acres burned per fire event is a more consistent method of analysis for this hazard.

Of the 111 events, 90 fires (81.08 percent of events) burned less than ten acres, while 21 events (18.92 percent of events) burned between 10-99.9 acres. No events burned more than 100 acres.

4.13.5 Probability

According to the *State of Ohio Hazard Mitigation Plan*, there is a 100 percent probability that a wildfire will occur within any county in any given year. Since 111 total fire events occurred in Fulton County between 1/1/2007 to 12/31/2017, an average of ten fire events are estimated to occur annually in the County.

4.13.6 Vulnerability Assessment

Infrastructure Impact

There is low risk that wildfire in Fulton County will impact infrastructure. Wildfire will most likely impact the County through property and crop damage.

Population Impact

There is low risk of wildfire in Fulton County. Accordingly, there is low risk of impact to the population. If wildfire would occur within the County, the population could be impacted by loss of homes and crops.

Property Damage

As there were 111 recorded wildfire events in Fulton County's history, it is currently estimated that the County has experienced some property and crop damage as result of wildfires. Occasionally, in the event of wildfire event, fire engines belonging to local fire departments are damaged while suppressing wildfires. Wildfire suppression has resulted in a great amount of personal property being saved by fire departments.

Due to the non-site-specific nature of this hazard, **Table 4.13.1** lists all structures within Fulton County as having potential impacts from Wildfires. It also provides values for two worst-case scenarios valued at one percent damage and five percent damage.

Additionally, there are currently 50 State-owned and State-leased critical facilities located within Fulton County, as determined by the Ohio Department of Natural Resources. All 50 of these facilities are located within a low wildfire risk area and have a value of approximately $4,930,612.

Loss of Life

Fulton County has no recorded wildfire events resulting in loss of life. Because of this, it is unlikely that loss of life will result from wildfire; however, with any wildfire event, there is potential for loss of life. Advanced evacuation warnings can reduce the likelihood of death as a result of wildfire.

Economic Losses

Wildfire has the potential to damage agricultural crops and tree plantations, which can result in economic losses. Potential economic losses and damages associated with Fulton County structures and potential worst-case scenarios are recorded in **Table 4.13.1**, below.

Figure 4.13.1: ODNR Division of Forestry Wildfire Hazard Level

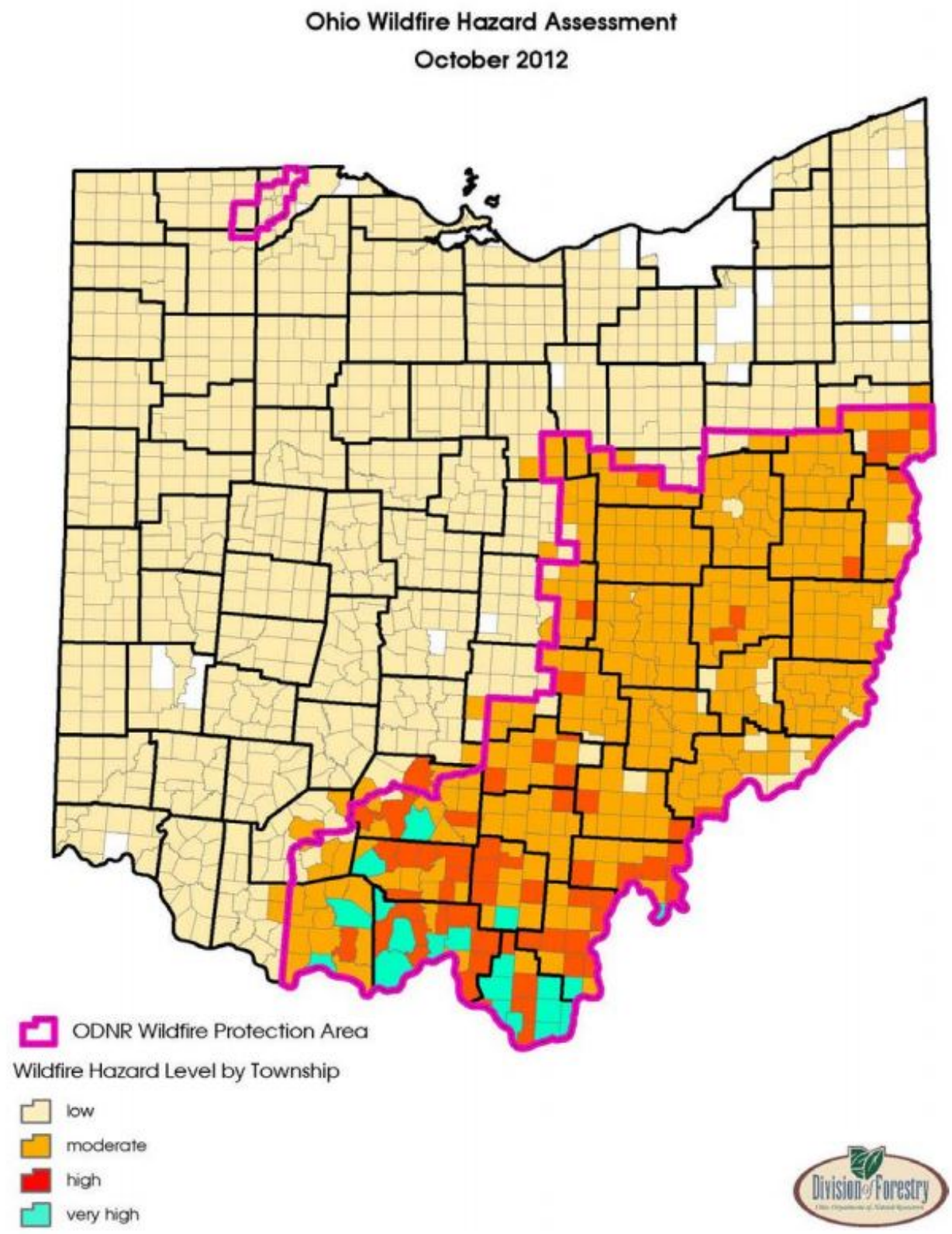


Table 4.13.1: Structure Vulnerability from Wildfires

Structure Type	Number of Properties Exposed	Total Value of Structures	Damage for 1% Scenario	Damage for 5% Scenario
Residential	15,276	$590,493,680.00	$5,904,936.80	$29,524,684.00
Non-Residential	7,988	$762,601,360.00	$7626013.60	$38,130,068.00
Critical Facilities	650	$127,096,410.00	$1,270,964.10	$6,354,820.50
Total	**23,264**	**$1,353,095,040.00**	**$13,530,950.40**	**$67,654,752.00**

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.13.7 Land Use and Development Trends

Communities within the ODNR's Wildfire Protection Area in Swan Creek Township should be especially aware of their risk and monitor new development accordingly.

4.14 Windstorms

4.14.1 Description

Windstorms are wind events that can cause damage to trees and buildings. Damaging winds typically have speeds of at least 34 MPH, and can be either gusts of wind or long, sustained periods of strong winds. Gusts of winds can last for only a few minutes, while sustained windstorms can last for days.

Longer periods of windstorms can be caused by large, regional differences in atmospheric pressure or strong jet-stream winds. Intense winter storms can also long-lasting windstorms, since winter storms can have strong jet-stream winds.

While tornadoes, hurricanes, and tropical storms can cause wind damage, they are considered separate from windstorms and considered in separate hazard analyses.

4.14.2 Location

Windstorms are typically large events that will impact the entire County and have the potential to impact multiple counties.

4.14.3 Extent

Windstorms in Fulton County have reached 80 MPH. Windstorms can occur quickly and can impact any area within the County.

4.14.4 History

There have been at least 148 windstorm events in Fulton County from August 1962 to May 2019. These events have caused at least $7,450,000 in property damages and $3,150,000 in damages to crops. The three most damaging events, based on property damage, are described below. For all event descriptions, see **Appendix A**.

Windstorm in the Village of Lyons on June 15, 2008

County officials reported several trees down and twelve power poles being snapped. Damage is estimated at $75,000 for the power poles. No other damages were reported.

Windstorm in the Village of Archbold and the City of Wauseon on August 25, 1998

Windstorms in the Village of Archbold and the City of Wauseon were strong enough to blow air conditioners from the roofs of several structures. These windstorms caused at least $100,000 in property damage.

Countywide Windstorm on October 30, 1996

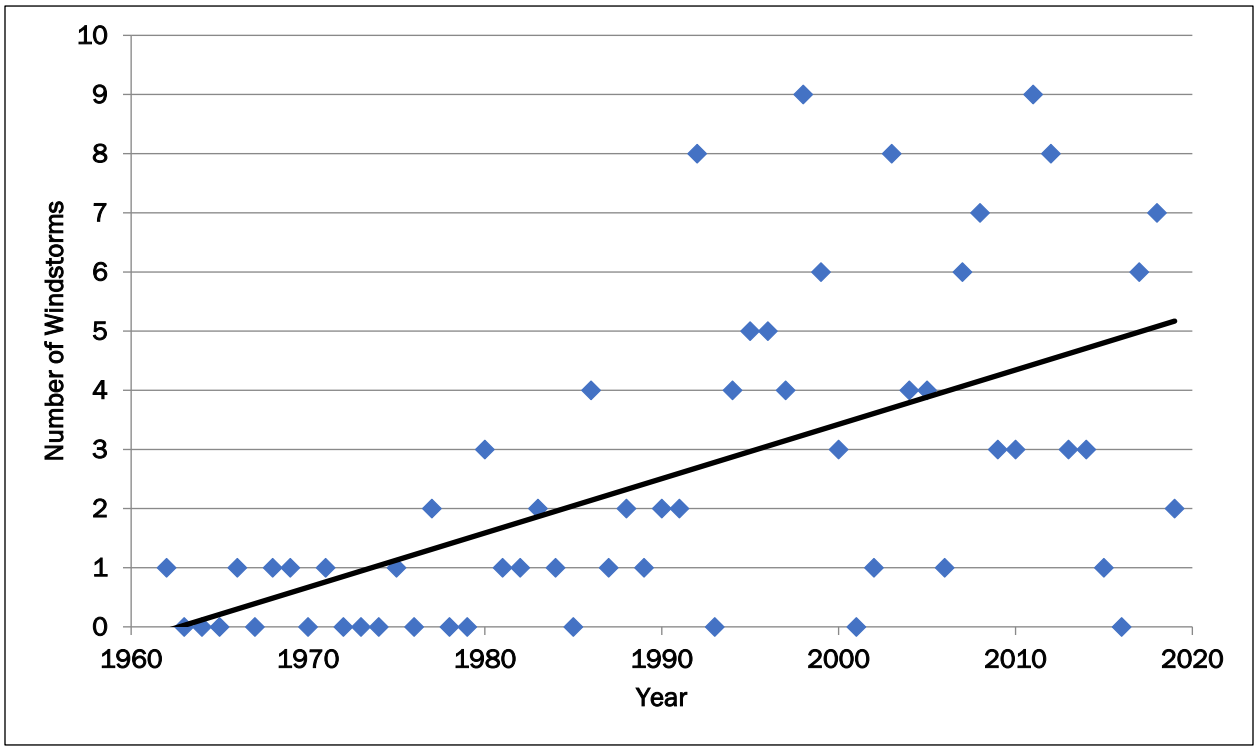
A deep low pressure moving east across Ontario, Canada brought winds of 60 to 70 MPH, with higher gusts, to Northern Ohio, including Fulton County. This windstorm caused $75,000 in property damage and $100,000 in damages to crops within Fulton County.

4.14.5 Probability

There have been at least 148 reported windstorm events from August 1962 to May 2019. **Figure 4.14.1** shows the trend line for the amount of windstorm events per year over time. The trend line has a positive slope, which indicates that windstorms are becoming more common each year. These

windstorm events are responsible for an average of $130,701.75 in property damages and $55,263.16 crop damages annually. Altogether, that amounts to $185,964.91 in damages annually.

Figure 4.14.1: Windstorm Probability



4.14.6 Vulnerability Assessment

Infrastructure Impact

Windstorms, by definition, cause at least minor damage to trees, buildings, and property. Utility poles and overhead wires are likely to be impacted by direct wind or falling branches and tree limbs. Debris may also block roadways or damage cars.

Population Impact

All residents of Fulton County have the potential to be impacted by windstorms.

Property Damage

Windstorms, by definition, cause at least minor damage to trees, buildings, and property. Building exteriors can be damaged by strong winds or roofs can be damaged or removed. Falling tree limbs can also cause damage to structures and properties.

Because Windstorms have the potential to impact the entire County, estimates of property damage to residential, non-residential, and critical facilities are provided for vulnerable structures within all of Fulton County (**Table 4.14.1**). Annual property damage cost is around $130,701.75.

Loss of Life

There are no reported deaths or injuries from the 148 recorded windstorms. Injury and loss of life are possible during windstorms.

Economic Losses

Economic losses can occur from halted economic activity, damage to electrical facilities, and road closures.

Table 4.14.1: Structure Vulnerability from Windstorms

Structure Type	Number of Properties Exposed	Value of Vulnerable Structures		
		Land	Building	Total
Residential	15,276	$113,485,850.00	$477,007,830.00	$590,493,680.00
Non-Residential	7,988	$466,326,940.00	$296,274,420.00	$762,601,360.00
Critical Facilities	650	$24,645,280.00	$102,451,130.00	$127,096,410.00
Total	23,264	$579,812,790.00	$773,282,250.00	$1,353,095,040.00

**Note: Critical Facilities are non-residential structures and their value is incorporated into the non-residential totals, as well. Calculated totals are determined by summing the residential and non-residential values.*

4.14.7 Land Use and Development Trends

Windstorms can occur anywhere. Any development that has occurred since that previous plan and any future development has the potential to be impacted by strong winds.

4.15 Winter Storms

4.15.1 Description

Severe winter weather includes winter storms, heavy snow, and extreme cold. Winter storms are events that have snow, sleet, or freezing rain as their primary type of precipitation. While the precipitation itself is typically not dangerous, frozen roads and exposure to cold can cause death and injury.

A winter storm forms under the right combination of three causes.

- Below freezing temperatures in the clouds and near the ground, which are necessary to make snow and ice.
- Lift, which raises the moist air from the clouds and causes precipitation. Warm air colliding with cold air and being forced to rise over the cold is an example of lift.
- Moisture is needed to form clouds and precipitation. Air blowing across a body of water is a common source of moisture.

Winter storms are categorized by their type: blizzards, ice storms, lake effect storms, and snow squalls.

1. Blizzards are winter storms that are a combination of blowing snow and wind which lead to very low visibility. Heavy snowfalls and severe cold often accompany blizzards, but this is not required. Ground blizzards occur when strong winds pick up snow that has already fallen.
2. Ice Storms occur when at least a quarter inch of ice accumulates on exposed surfaces. Roads and sidewalks can become dangerously slick, and trees and powerlines can easily break under the weight of accumulated ice.
3. Lake Effect Storms are cold, dry air masses that move over the Great Lakes regions and drop the moisture as snow in areas near the Great Lakes.
4. Snow Squalls are brief, intense snow showers accompanied by strong winds. Accumulation may be significant.

4.15.2 Location

Winter storms are typically large events that will impact the entire County and have the potential to impact multiple counties.

4.15.3 Extent

The average annual snowfall in Fulton County is 28 inches. Snowfall typically occurs between November and April. January is the coldest month on average.

4.15.4 History

There have been at least 35 winter storm and winter weather events in Fulton County since December 2004. These events have not caused any property or crop damage, nor have they caused any injuries or deaths, according to the NCDC.

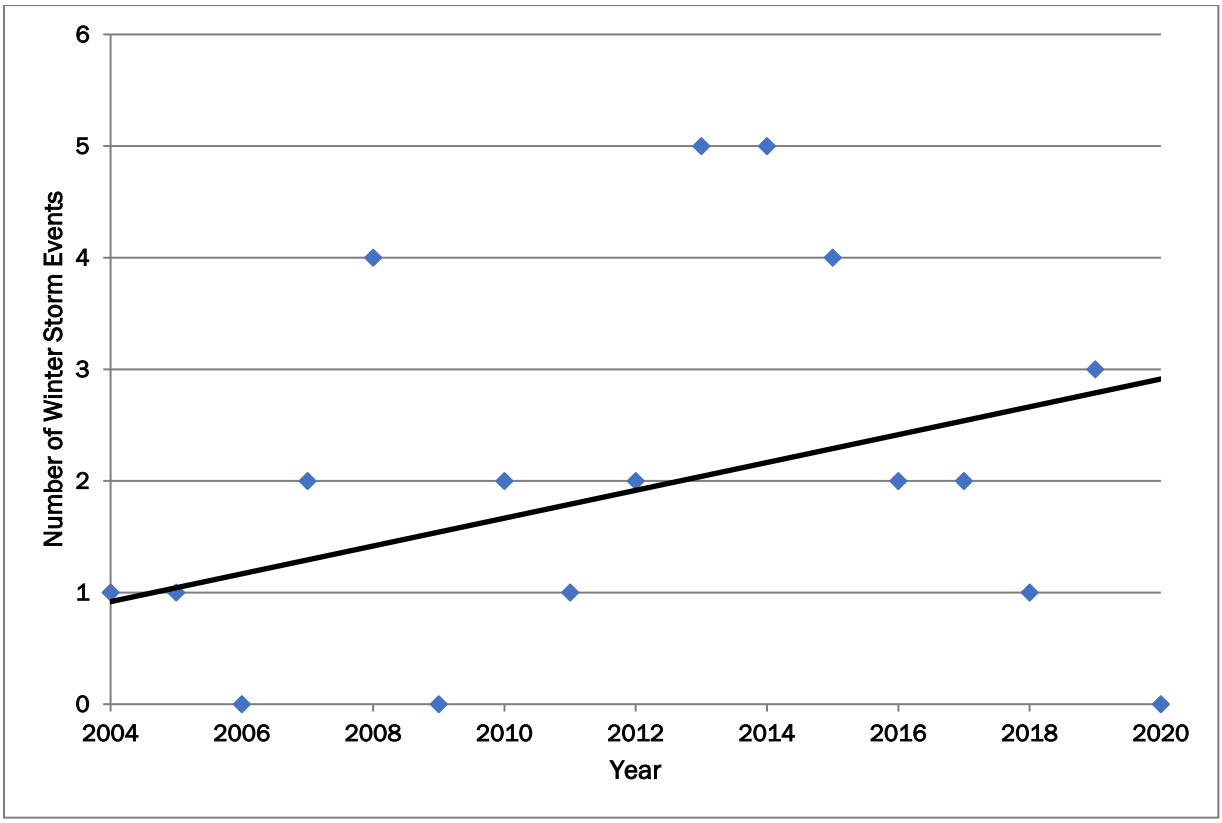
There has been one emergency declaration related to winter storms covering Fulton County. The public assistance amount for each emergency declaration was divided between all jurisdictions impacted by the event, including those outside of Fulton County,

Major Disaster Declaration on January 26, 1978 (DR-3055-OH)
A severe blizzard impacted Fulton County on January 26, 1978. $3,546,669 in public assistance was distributed throughout all impacted counties.

4.15.5 Probability

Figure 4.15.1 shows the trend of severe winter weather events over time between December 2004 and February 2019. The trend line increases over time, showing that winter storm events are becoming more common each year. On average, the County has experienced no annual property or crop damages as a result of winter storms.

Figure 4.15.1: Winter Storm Probability



4.15.6 Vulnerability Assessment

Infrastructure Impact
Winter storms can cause damage to overhead utilities. Wires in particular can collapse under the weight of accumulated snow and ice. Debris can block roadways or damage property as tree limbs can also collapse under the weight of accumulated snow and ice. Water pipes can be frozen under extreme low temperatures that may accompany severe winter storms.

Roads and sidewalks can be blocked by the accumulation of snow, as well as being iced over.

Population Impact
All residents of Fulton County are expected to be impacted by severe winter storms. The elderly and children may be more severely impacted by extreme cold.

Property Damage
Property can be damaged by accumulated snow and ice, debris, and falling wires. Extreme low temperatures can also freeze the water in pipes which could cause them to explode. All buildings are in the County are exposed and vulnerable to winter storms. Severe winter storms have caused no property damage in Fulton County; therefore, the annualized cost on property due to winter weather is $0.00. However, it is important to note that damage to infrastructure can be costly (see *Infrastructure Impact* above) and is not documented by the NCDC as property damage.

Loss of Life
There are no reported deaths from any severe weather event in Fulton County. However, there may be indirect deaths that occur from winter storms. Likely causes of death are from iced over and dangerous roads which lead to vehicular accidents, hypothermia from prolonged exposure to cold, and heart attacks from heavy snow shoveling.

Economic Losses
Economic losses can occur from businesses shutting down for potentially long periods of time. Economic activity can be completely halted during winter storms, including transportation of goods. Electricity outages may lead to spoiled goods. Since winter storms occur during the winter season, damages to crops are unlikely.

4.15.7 Land Use and Development Trends
Winter storms can occur anywhere. Any development that has occurred since that previous plan and any future development has the potential to be impacted by winter storms. All land uses are equally impacted by severe winter weather.

5 | Hazard Mitigation

5.1 Hazard Mitigation Strategy

Each potential hazard, including natural, geological, and man-made hazards, were rated by members of the Core Planning Committee, which included representatives from each jurisdiction in Fulton County. Each potential hazard was rated on a scale of zero to five, with zero indicating the hazard should not be studied and five indicating the most significant threat to the representative's community. **Table 5.1** displays the average of the representatives' ratings as a Priority Score for each hazard. The hazard that scored the highest (Hazardous Materials, 4.030), was given a Hazard Rank of one. The mitigation goals follow the ranking of hazards as established by the representatives of the participating jurisdictions.

Table 5.1: Hazard Priorities

Hazard	Priority Score	Hazard Rank
Hazardous Materials	4.030	1
Winter Storms	3.879	2
Tornadoes	3.836	3
Utility Failure	3.821	4
Thunderstorms	3.761	5
Windstorms	3.746	6
Floods	3.265	7
Terrorism	2.970	8
Drought and Extreme Heat	2.701	9
Invasive Species	2.403	10
Wildfire	1.806	11
Dam Failure	1.664	12
Landslides, Erosion, Mine Subsidence	1.239	13
Epidemic	1.075	14
Earthquakes	0.881	15

Coastal erosion and hurricanes/tropical storms are hazards that are not applicable to Fulton County and were not assessed; however, if remnants of hurricanes or tropical storms were experienced as thunderstorms, thunderstorm winds, or high/severe winds, those events were included in the thunderstorms and wind storms assessments. Seven new hazards were added to the Fulton County All Hazards Mitigation Plan since the previous Plan. These include hazardous materials, utility failure, terrorism, invasive species, wildfire, landslides, erosion and mine subsidence, and epidemic.

Mitigation projects will only be implemented if the benefits outweigh the associated cost of the proposed project. The Core Planning Committee, in coordination with the Fulton County Emergency Management Agency, performed a general assessment of each action that would require FEMA

funding as part of the planning process. A detailed cost-benefit analysis of each mitigation action will be required during the project planning phase in order to determine the economic feasibility of each action. Projects will also be evaluated for social and environmental impact-related feasibility, as well as technical feasibility and any other criteria that evaluate project effectiveness. This evaluation of each project will be performed during the pre-application phase of a grant request. Project implementation will be subject to the availability of FEMA grants and other funding sources, as well as local resources. Projects that are determined to be infeasible during this review process will be re-evaluated by members of the Core Planning Committee for re-scheduling or deletion.

5.2 Hazard Mitigation Goals and Mitigation Actions

Developing achievable goals forms the foundation for all mitigation actions and activities that will aid Fulton County in attaining the overall mission of the Core Planning Committee. As such, the Core Planning Committee assessed the goals of the 2015 Fulton County Multi-Jurisdictional Natural Hazard Mitigation Plan and had the opportunity to develop new goals for the 2020 update. Goals were reviewed and established based upon their relationship to the potential adverse impact upon the community.

The goals, as well as the hazards assessed for this Plan, informed the development of actions that the County and participating jurisdictions can take to mitigate the impacts of each of the hazards. The goals of the 2020 Fulton County All Hazards Mitigation Plan are as follows:

- **Goal 1:** Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural and man-made disaster incidents in Fulton County.
- **Goal 2:** Fulton County and each jurisdiction will take action to prevent vulnerability to natural and man-made disasters in Fulton County.
- **Goal 3:** Fulton County and each jurisdiction will protection natural resources as a way to prevent losses from natural and man-made disasters.
- **Goal 4:** Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.
- **Goal 5:** Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

5.3 Hazard Mitigation Action Priority

Members of the Core Planning Committee completed a Previous Mitigation Action Status survey, which indicated the status of mitigation actions included in the 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan. This survey asked representatives to indicate whether the mitigation action from the previous plan was completed, deleted, deferred, unchanged, or ongoing. It also asked the representative if the action should be included in the updated Plan.

Once all mitigation actions from the previous plan were reviewed and their status indicated, all mitigation actions for the 2020 Fulton County All Hazards Mitigation Plan were reviewed and rated on a scale of one to five by members of the Core Planning Committee based on the several criteria, including whether the action was cost-effective, technically feasible, environmentally sound, needed immediately, and the action's total risk reduction.

All of the surveys collected were tabulated to develop a single raw score for each individual mitigation action. These scores are indicated on the Hazard Mitigation Action Priority Table on the following pages. Overall, the score was determined by two factors:

1. The rankings of the hazard, as determined by the Hazard Priority Survey (**Table 5.1**, above).
2. The ratings received from the Core Planning Committee and the public on each of the mitigation actions.

The raw scores were then ranked, and each mitigation action was assigned a number (1-62) to indicate the priority of that specific action, according to the survey responses.

Hazard Mitigation Action priorities are organized by hazard in **Table 5.2**. The information used to develop the priorities can be found in the Matrix Score Spreadsheet, which is located in **Appendix B**. Comments from the jurisdictions responsible for each action can be found in **Appendix F**, along with all completed surveys that were used to make **Table 5.2**.

Table 5.2: Mitigation Actions Priority Table, by Hazard

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Multiple Hazards								
1	Encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	1	2	Fulton County EMA	Staff Time	03/01/20 - 03/01/25	Previous
2	Identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	1	7	Fulton County EMA	Staff Time	03/01/20 - 03/01/25	Previous
3	Work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	1	9	Fulton County RPC	Staff Time	03/01/20 - 03/01/25	Previous
4	Develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	1	4	Fulton County RPC	Staff Time	03/01/20 - 03/01/25	Previous

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
5	Develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	1	11	Fulton County RPC	Staff Time	03/01/20 - 03/01/25	Previous
6	Identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	1	6	Fulton County EMA	Staff Time	03/01/20 - 03/01/25	Previous
7	Consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	1	12	Fulton County RPC	Staff Time	03/01/20 - 03/01/25	Previous
8	Engage in public information and outreach projects that help residents know what to do in an emergency.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	1	1	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	Previous

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
9	Maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	1	5	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Emergency Management Performance Grant (EMPG) Special Project Grants	03/01/20 - 03/01/25	Previous
10	Work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	1	10	Fulton County RPC, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	Previous
11	Prepare public buildings to serve as shelters during potential hazards.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Swanton	1	8	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
12	Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	1	3	Fulton County GIS	Staff Time	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam Failure								
13	Repair and maintain, or advocate for such when not owned/controlled, any dams, dikes, and floodwalls in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	13	59	Fulton County Engineer	Capital Improvement Budgets	03/01/20 - 03/01/25	Previous
14	Complete inundation maps for Class I, II, and III dams.	Fulton County, City of Wauseon	13	60	Fulton County GIS	Staff Time	03/01/20 - 03/01/25	New
15	Encourage all dam owners to create an emergency action plan (EAP).	Fulton County, City of Wauseon, Village of Fayette	13	58	Fulton County EMA	Staff Time	03/01/20 - 03/01/25	New
Drought and Extreme Heat								
16	Increase tree plantings, especially near impervious surfaces such as parking lots.	Fulton County, City of Wauseon, Village of Archbold	10	55	Fulton County RPC, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
17	Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	Fulton County, Village of Archbold, Village of Fayette	10	56	OSU Extension	Staff Time	03/01/20 - 03/01/25	New
18	Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	10	54	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Epidemic								
19	Evaluate public health emergency preparedness capabilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	15	62	Fulton County Health Department	Staff Time	03/01/20 - 03/01/25	New
Flooding								
20	Work to prevent flood damage to property in low-lying areas where runoff water collects.	Fulton County, Village of Fayette, Village of Lyons	8	36	Fulton County Engineer	General Operating Budget	03/01/20 - 03/01/25	Previous
21	Adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Fulton County, Village of Delta, Village of Fayette, Village of Lyons	8	32	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	Previous
22	Identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Fulton County	8	45	Fulton County EMA	General Operating Budget	03/01/20 - 03/01/25	Previous
23	Review, implement, and evaluate the storm water management plan for the purpose of flood and flash flood prevention.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	8	35	Fulton County EMA, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Planning Assistance to States	03/01/20 - 03/01/25	Previous

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
24	Advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	8	34	Fulton County EMA, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	Previous
25	Control development in floodplains by enforcing flood-proofing standards.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	8	37	Fulton County RPC, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	Previous
26	Establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Fulton County, Village of Delta, Village of Fayette	8	31	Fulton County GIS, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Planning Assistance to States	03/01/20 - 03/01/25	Previous
27	Evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	8	33	Fulton County Engineer, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	Previous
28	Install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Fulton County, City of Wauseon, Village of Delta, Village of Fayette	8	43	Fulton County RPC, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	Previous
29	Work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	City of Wauseon, Village of Archbold	8	50	Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	Previous

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
30	Develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	City of Wauseon	8	48	Mayor/ Administrator of Wauseon	Capital Improvement Budgets	03/01/20 - 03/01/25	Previous
31	Advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village of Archbold	8	39	Mayor/ Administrator of Archbold	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	
32	Advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Village of Archbold	8	49	Mayor/ Administrator of Archbold	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	
33	Advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village of Archbold	8	38	Mayor/ Administrator of Archbold	United States Army Corps of Engineers (USACE) Flood Control Program	03/01/20 - 03/01/25	
34	Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	8	51	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
35	Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	8	44	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
36	Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	8	40	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
37	Assess the feasibility of an early flood warning/notification system.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	8	42	Fulton County EMA	Staff Time	03/01/20 - 03/01/25	New
38	Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	Fulton County, Village of Archbold,	8	47	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
39	Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	Fulton County, Village of Archbold	8	46	Fulton County Archbold EMA, Mayors/ Administrators of Jurisdictions	United States Army Corps of Engineers (USACE) Planning Assistance to States	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
40	Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	8	41	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
Hazardous Materials								
41	Update existing alarm systems to warn about hazardous materials spills.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	2	14	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Emergency Management Performance Grant (EMPG) Special Project Grants	03/01/20 - 03/01/25	New
42	Complete a commodity flow study for Fulton County.	Fulton County	2	15	Fulton County EMA	Hazardous Materials Emergency Planning Grant (HMEP)	03/01/20 - 03/01/25	New
43	Maintain an inventory of hazardous waste generators and storage facilities in GIS.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	2	13	Fulton County GIS, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
Invasive Species								
44	Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	11	57	Fulton County Health Department	Staff Time	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Landslides, Erosion, and Mine Subsidence								
45	Identify and map erosion hazard areas.	Fulton County, City of Wauseon, Village of Archbold	14	61	Fulton County GIS	Staff Time	03/01/20 - 03/01/25	New
Thunderstorms								
46	Require structures on temporary foundations to be anchored to permanent foundations.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	6	30	Fulton County RPC, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
47	Install and maintain surge protection on critical electronic equipment.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	6	29	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Capital Improvement Budgets	03/01/20 - 03/01/25	New
48	Provide educational materials to school children about the safety procedures during severe summer storms.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	6	28	Fulton County EMA, School Districts	General Operating Budget	03/01/20 - 03/01/25	New
Terrorism								
49	Install bollards to block roadways during public events, such as festivals and parades.	Fulton County, Village of Archbold, Village of Fayette, Village of Swanton	9	53	Fulton County Sheriff, Local Police	General Operating Budget	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
50	Require active shooter training exercises in public schools and government facilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	9	52	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
Tornadoes								
51	Construct community safe rooms.	Fulton County, City of Wauseon, Village of Archbold	4	21	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Capital Improvement Budgets	03/01/20 - 03/01/25	New
52	Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	4	20	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
53	Promote enhanced anchoring of manufactured homes.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	4	19	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New
54	Encourage wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	4	22	Fulton County Engineer, Mayors/ Administrators of Jurisdictions	Staff Time	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
55	Distribute information about the locations of tornado shelters.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	4	18	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
Utility Failure								
56	Develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	5	26	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	Previous
57	Advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Fulton County, City of Wauseon, Village of Delta, Village of Fayette, Village of Lyons	5	25	Fulton County EMA (coordinate with utility companies)	General Operating Budget	03/01/20 - 03/01/25	Previous
58	Install power generators in public buildings.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	5	27	Fulton County EMA, Mayors/ Administrators of Jurisdictions	Capital Improvement Budgets	03/01/20 - 03/01/25	New
59	Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	5	24	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New

Hazard Mitigation Actions – Priorities Table by Hazard								
#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
60	Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	5	23	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
Winter Storms								
61	Plan for and maintain adequate road and debris clearing capabilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3	16	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New
62	Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Swanton	3	17	Fulton County EMA, Mayors/ Administrators of Jurisdictions	General Operating Budget	03/01/20 - 03/01/25	New

6 | Schedule and Maintenance

6.1 Participation Overview

The 2020 Fulton County All Hazards Mitigation Plan will be adopted by all jurisdictions in Fulton County, including the County, all townships, and all villages. After the jurisdictions have adopted the plan, their signed resolutions or ordinances will be added to the plan as an Appendix.

6.2 Continued Public Involvement

The public will continue to be able to provide feedback on the Plan, as the Plan will be available through the Fulton County Emergency Management Agency and Ohio Emergency Management Agency websites. The Fulton County Emergency Management Agency will provide access to the plan to all County, municipality, and township offices, and will make the Plan available in hardcopy and electronic format to the public as appropriate. The Fulton County Emergency Management Agency Director will post notices of any meetings for updating and evaluating the Plan, using the usual methods for posting meeting announcements in the County to invite the public to participate. All meetings will be open to the general public. The Fulton County Emergency Management Agency will publicly announce the mitigation action items that are slated for development in the current year, as well as any updates to the Plan as part of the annual review process.

6.3 Plan Integration and Annual Review

6.3.1 Previous Integration Efforts

The Fulton County Emergency Management Agency and Local Emergency Planning Committee (LEPC) have worked to integrate the previous Hazard Mitigation Plan into planning processes in the County. The following courses and trainings were offered as a result of the previous plan:

- ICS-400 class was offered in Fulton County and hosted by the EMA (July 14-15, 2015)
- Tabletop exercise on May 30, 2018 Incident Assessment, Incident Command, Population protective actions, traffic and access control
- Exercise on December 12, 2018 Emergency Operations Center, Resource Management, Population Protective Actions, and Emergency Public Information
- LEPC received a certificate of recognition for the SERC in December 2018 for the Community Right to Know Program
- Weather Spotter Training offered to public March 19, 2019
- Active Shooter training offered to County employees March 28, 2019
- Electrical Safety Training offered to first responders April 3, 2019
- Several weather-related trainings for school kids

6.3.2 Future Integration Efforts

Local government plays a major role in the execution and implementation of mitigation strategies. This happens in large part during the daily operations that guide the development of various communities in the County. As such, each community will be responsible for understanding which items they are accountable for implementing. The Core Planning Committee will meet annually in order to monitor and evaluate the Fulton County All Hazards Mitigation Plan. During the annual meeting, a status update will be provided for each mitigation action by the responsible agency.

All participating jurisdictions will be encouraged to attend this yearly plan update meeting. The meeting will be held so that it coincides with the budget process so that future funding sources can be determined and set aside for actions slated for that particular year. This meeting will also be available to the public.

Additionally, each jurisdiction and the County will review the Hazard Mitigation Plan during other planning processes, such as development of comprehensive plans or capital improvement plans and incorporate appropriate goals and mitigation actions into such documents.

6.4 Updating the Plan

The Plan must be updated within five years and re-adopted by the County and all participating jurisdictions in order to maintain compliance with federal regulations and ensure eligibility for certain federal mitigation grant funds. The Fulton County Emergency Management Agency will identify any necessary modifications to the Plan, including changes in mitigation goals and actions that should be incorporated into the next update. The Fulton County Emergency Management Agency Director and the County Commissioners will initiate the process of updating the plan in accordance with federal guidelines in sufficient time to meet state and federal deadlines.

Appendices

Appendix A: Historical Hazard Events

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
2	Winter Storms	Winter Storm	1/19/2019	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	3/12/2014	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	2/4/2014	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	1/5/2014	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	12/14/2013	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	12/12/2010	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	2/9/2010	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	3/4/2008	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	2/25/2008	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	2/1/2008	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	12/15/2007	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	2/13/2007	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	1/22/2005	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Storm	12/22/2004	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/20/2019	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/22/2019	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/9/2018	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	12/24/2017	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	3/17/2017	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	12/17/2016	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/12/2016	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	12/28/2015	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	11/21/2015	N/A	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
2	Winter Storms	Winter Weather	2/14/2015	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/8/2015	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/17/2014	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/1/2014	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/26/2013	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/22/2013	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	2/4/2013	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/27/2013	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	12/26/2012	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/20/2012	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	1/11/2011	N/A	0	0	$0.00	$0.00
2	Winter Storms	Winter Weather	12/26/2008	N/A	0	0	$0.00	$0.00
3	Tornadoes	Tornado	6/5/2010	EF2	0	0	$500,000.00	$0.00
3	Tornadoes	Tornado	7/14/1992	F1	0	0	$25,000.00	$0.00
3	Tornadoes	Tornado	7/12/1992	F2	0	8	$2,500,000.00	$0.00
3	Tornadoes	Tornado	7/4/1992	F0	0	0	$0.00	$0.00
3	Tornadoes	Tornado	5/25/1989	F1	0	0	$250,000.00	$0.00
3	Tornadoes	Tornado	6/7/1980	F1	0	0	$2,500,000.00	$0.00
3	Tornadoes	Tornado	6/20/1972	F0	1	0	$25,000.00	$0.00
3	Tornadoes	Tornado	7/4/1969	F1	0	0	$25,000.00	$0.00
3	Tornadoes	Tornado	6/1/1969	F1	0	0	$2,500.00	$0.00
3	Tornadoes	Tornado	4/23/1968	F1	0	0	$25,000.00	$0.00
3	Tornadoes	Tornado	5/2/1954	F0	0	0	$0.00	$0.00
3	Tornadoes	Tornado	5/2/1954	F0	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/1/2019	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	3/14/2019	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/6/2018	1	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Hail	8/2/2015	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/10/2015	1.25	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/23/2013	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/5/2010	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/5/2010	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/28/2009	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/28/2009	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/28/2009	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/28/2009	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/1/2007	2	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/1/2007	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/1/2007	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	3/14/2007	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	9/9/2006	0.88	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/20/2003	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/29/2001	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/19/2001	0.88	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/19/2001	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/19/2001	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/19/2001	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/19/2001	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/2/2000	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/29/1999	1	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Hail	5/17/1999	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/24/1998	0.88	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/24/1998	4.5	0	0	$650,000.00	$2,000,000
5	Thunder-storms	Hail	6/19/1998	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/5/1997	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/15/1995	0	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/15/1995	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	9/25/1994	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/7/1991	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/3/1991	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/30/1991	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	3/27/1991	2	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/2/1990	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/25/1988	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	7/25/1988	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/9/1988	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/6/1986	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/9/1985	0.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	5/27/1985	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	4/28/1981	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	6/9/1966	1.75	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/25/1965	1	0	0	$0.00	$0.00
5	Thunder-storms	Hail	8/8/1962	0.75	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Lightning	6/23/2013	N/A	0	0	$50,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/18/2019	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/18/2019	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/23/2019	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	52	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2018	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/18/2018	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	11/5/2017	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	11/5/2017	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/19/2017	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/28/2017	52	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	5/28/2017	52	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/11/2015	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/19/2014	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/18/2014	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	11/17/2013	57	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/23/2013	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/22/2013	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/1/2012	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	7/22/2011	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/22/2011	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	65	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	56	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	51	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	10/26/2010	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/22/2010	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/18/2010	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/28/2009	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/25/2008	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/15/2008	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/15/2008	74	0	0	$75,000.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	6/9/2008	60	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/9/2008	63	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/9/2008	60	0	0	$20,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/24/2007	52	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/26/2007	55	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/27/2007	60	0	0	$30,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/8/2007	60	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/15/2007	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/15/2007	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/27/2006	60	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	11/6/2005	50	0	0	$20,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/22/2005	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/22/2005	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/5/2005	50	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/14/2004	50	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	6/14/2004	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/21/2004	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/26/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/20/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/20/2003	50	0	0	$2,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/8/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/7/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/6/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/4/2003	50	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/6/2000	N/A	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/14/2000	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/9/2000	N/A	0	0	$20,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/29/1999	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/24/1999	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/24/1999	N/A	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	7/23/1999	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/9/1999	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/9/1999	N/A	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	12/6/1998	N/A	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	11/10/1998	N/A	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/25/1998	64	0	0	$100,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/25/1998	N/A	0	0	$100,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/24/1998	N/A	0	0	$50,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/24/1998	56	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/24/1998	52	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/19/1998	N/A	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	3/28/1998	N/A	0	0	$1,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/16/1997	N/A	0	0	$10,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/16/1997	N/A	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/18/1997	N/A	0	0	$2,000.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	10/29/1996	61	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/16/1995	0	0	0	$4,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/16/1995	0	0	0	$2.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/16/1995	0	0	0	$12,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/1/1995	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/15/1995	60	0	0	$8,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/7/1994	0	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/28/1994	0	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/16/1994	0	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	4/27/1994	0	0	0	$5,000.00	$0.00
5	Thunder-storms	Thunder storm Wind	10/8/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	10/8/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/9/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/9/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/17/1992	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	6/17/1992	55	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/17/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/17/1992	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/30/1991	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	3/27/1991	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/14/1990	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/28/1990	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/31/1989	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/15/1988	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/15/1988	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/31/1987	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/11/1986	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/26/1986	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/26/1986	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/25/1986	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	9/2/1984	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/2/1983	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/2/1983	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/31/1982	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	4/28/1981	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	8/2/1980	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/9/1980	52	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/30/1980	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	9/26/1977	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/30/1977	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/25/1975	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/7/1971	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	6/27/1969	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	5/16/1968	0	0	0	$0.00	$0.00
5	Thunder-storms	Thunder storm Wind	7/4/1966	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
5	Thunder-storms	Thunder storm Wind	8/8/1962	80	0	0	$0.00	$0.00
6	Wind-storms	High Wind	2/24/2019	50	0	0	$0.00	$0.00
6	Wind-storms	High Wind	3/8/2017	52	0	0	$0.00	$0.00
6	Wind-storms	High Wind	11/24/2014	50	0	0	$0.00	$0.00
6	Wind-storms	High Wind	4/28/2011	60	0	0	$0.00	$0.00
6	Wind-storms	High Wind	12/9/2009	50	0	0	$0.00	$0.00
6	Wind-storms	High Wind	2/11/2009	50	0	0	$0.00	$0.00
6	Wind-storms	High Wind	9/14/2008	50	0	0	$0.00	$0.00
6	Wind-storms	High Wind	3/5/2004	52	0	0	$0.00	$0.00
6	Wind-storms	High Wind	11/12/2003	56	0	0	$0.00	$0.00
6	Wind-storms	High Wind	3/9/2002	N/A	0	0	$0.00	$0.00
6	Wind-storms	High Wind	2/27/1997	50	0	0	$5,000.00	$0.00
6	Wind-storms	High Wind	10/30/1996	50	0	0	$75,000.00	$100,000
6	Wind-storms	High Wind	3/25/1996	50	0	0	$2,000.00	$0.00
6	Wind-storms	High Wind	2/10/1996	50	0	0	$2,000.00	$0.00
6	Wind-storms	High Wind	1/27/1996	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/18/2019	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/18/2019	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/23/2019	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2018	50	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2018	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2018	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2018	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/18/2018	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	11/5/2017	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	11/5/2017	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/19/2017	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/28/2017	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/28/2017	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/11/2015	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/19/2014	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/18/2014	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	11/17/2013	57	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	6/23/2013	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/22/2013	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/5/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/1/2012	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/1/2012	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/22/2011	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/22/2011	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/29/2011	65	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	5/29/2011	56	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/29/2011	51	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/29/2011	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	10/26/2010	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/22/2010	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/18/2010	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/28/2009	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/25/2008	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/15/2008	74	0	0	$75,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/15/2008	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/9/2008	60	0	0	$20,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/9/2008	60	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/9/2008	63	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/24/2007	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/26/2007	55	0	0	$10,000.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	6/27/2007	60	0	0	$30,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/8/2007	60	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	5/15/2007	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/15/2007	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/27/2006	60	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	11/6/2005	50	0	0	$20,000.00	$0.00
6	Wind-storms	Thunder storm Wind	9/22/2005	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/22/2005	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/5/2005	50	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/14/2004	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/14/2004	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/21/2004	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/26/2003	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/20/2003	50	0	0	$2,000.00	$0.00
6	Wind-storms	Thunder storm Wind	7/20/2003	50	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	7/8/2003	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/7/2003	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/6/2003	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/4/2003	50	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/6/2000	N/A	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/14/2000	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/9/2000	N/A	0	0	$20,000.00	$0.00
6	Wind-storms	Thunder storm Wind	7/29/1999	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/24/1999	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/24/1999	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/23/1999	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/9/1999	N/A	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/9/1999	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	12/6/1998	N/A	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	11/10/1998	N/A	0	0	$10,000.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	8/25/1998	64	0	0	$100,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/25/1998	N/A	0	0	$100,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/24/1998	N/A	0	0	$50,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/24/1998	56	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/24/1998	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/19/1998	N/A	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	3/28/1998	N/A	0	0	$1,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/16/1997	N/A	0	0	$10,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/16/1997	N/A	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	5/18/1997	N/A	0	0	$2,000.00	$0.00
6	Wind-storms	Thunder storm Wind	10/29/1996	61	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/16/1995	0	0	0	$12,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/16/1995	0	0	0	$4,000.00	$0.00
6	Wind-storms	Thunder storm Wind	8/16/1995	0	0	0	$2.00	$0.00
6	Wind-storms	Thunder storm Wind	8/1/1995	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	7/15/1995	60	0	0	$8,000.00	$0.00
6	Wind-storms	Thunder storm Wind	7/7/1994	0	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/28/1994	0	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	6/16/1994	0	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	4/27/1994	0	0	0	$5,000.00	$0.00
6	Wind-storms	Thunder storm Wind	10/8/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	10/8/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/9/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/9/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/17/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/17/1992	55	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/17/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/17/1992	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/30/1991	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	3/27/1991	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	9/14/1990	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/28/1990	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/31/1989	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/15/1988	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/15/1988	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/31/1987	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/11/1986	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/26/1986	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/26/1986	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/25/1986	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/2/1984	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/2/1983	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/2/1983	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/31/1982	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	4/28/1981	0	0	0	$0.00	$0.00

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
6	Wind-storms	Thunder storm Wind	8/2/1980	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/9/1980	52	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/30/1980	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	9/26/1977	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/30/1977	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/25/1975	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/7/1971	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	6/27/1969	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	5/16/1968	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	7/4/1966	0	0	0	$0.00	$0.00
6	Wind-storms	Thunder storm Wind	8/8/1962	80	0	0	$0.00	$0.00
7	Flooding	Flash Flood	7/3/2008	N/A	0	0	$5,000.00	$0.00
7	Flooding	Flash Flood	5/12/2002	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	5/12/2002	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	8/24/1998	N/A	0	0	$150,000.00	$1,000,000
7	Flooding	Flash Flood	2/17/1998	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	6/30/1997	N/A	0	0	$10,000.00	$5,000.00

APPENDIX A: HISTORICAL HAZARD EVENTS

Hazard Priority	Hazard	Event Type	Date	Magnitude (Hail Size, Wind Speed, EF-Scale)	Deaths	Injuries	Property Damage	Crop Damage
7	Flooding	Flash Flood	6/21/1997	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	6/1/1997	N/A	0	0	$25,000.00	$15,000
7	Flooding	Flash Flood	6/18/1996	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	6/18/1996	N/A	0	0	$0.00	$0.00
7	Flooding	Flash Flood	6/17/1996	N/A	0	0	$0.00	$0.00
7	Flooding	Flood	6/27/2015	N/A	0	0	$0.00	$0.00
9	Drought and Extreme Heat	Drought	8/1/1999	N/A	0	0	$0.00	$0.00
9	Drought and Extreme Heat	Drought	7/1/1999	N/A	0	0	$0.00	$0.00
9	Drought and Extreme Heat	Drought	6/1/1999	N/A	0	0	$0.00	$0.00
9	Drought and Extreme Heat	Drought	8/1/1996	N/A	0	0	$0.00	$0.00

Appendix B: Matrix Scoring Spreadsheet

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
1	Multiple Hazards	Encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	4.31	4.17	4.07	3.97	4.07	20.59	1	1820.59	2
2	Multiple Hazards	Identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.86	3.97	4.10	3.69	3.97	19.59	1	1819.59	7
3	Multiple Hazards	Work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.55	4.10	3.97	3.74	4.00	19.35	1	1819.35	9
4	Multiple Hazards	Develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	3.63	3.96	4.37	3.74	4.19	19.89	1	1819.89	4

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
5	Multiple Hazards	Develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.41	3.69	3.97	3.79	4.00	18.86	1	1818.86	11
6	Multiple Hazards	Identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	4.15	4.08	4.08	3.65	3.65	19.62	1	1819.62	6
7	Multiple Hazards	Consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	3.44	3.40	4.00	3.32	3.72	17.88	1	1817.88	12
8	Multiple Hazards	Engage in public information and outreach projects that help residents know what to do in an emergency.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	4.25	4.47	4.28	4.22	4.38	21.59	1	1821.59	1

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
9	Multiple Hazards	Maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	3.38	4.13	3.84	4.03	4.28	19.66	1	1819.66	5
10	Multiple Hazards	Work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	3.56	3.85	3.89	3.70	3.89	18.89	1	1818.89	10
11	Multiple Hazards	Prepare public buildings to serve as shelters during potential hazards.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Swanton	3.26	4.06	4.00	3.94	4.19	19.45	1	1819.45	8
12	Multiple Hazards	Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.52	4.23	4.16	3.94	4.10	19.94	1	1819.94	3

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
13	Dam Failure	Repair and maintain, or advocate for such when not owned/controlled, any dams, dikes, and floodwalls in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	3.00	3.57	3.95	3.33	3.67	17.52	13	617.52	59
14	Dam Failure	Complete inundation maps for Class I, II, and III dams.	Fulton County, City of Wauseon	3.15	3.62	3.69	3.31	3.38	17.15	13	617.15	60
15	Dam Failure	Encourage all dam owners to create an emergency action plan (EAP).	Fulton County, City of Wauseon, Village of Fayette	3.43	3.71	4.29	3.64	3.93	19.00	13	619.00	58
16	Drought and Extreme Heat	Increase tree plantings, especially near impervious surfaces such as parking lots.	Fulton County, City of Wauseon, Village of Archbold	3.43	3.87	4.30	3.35	3.17	18.13	10	918.13	55
17	Drought and Extreme Heat	Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	Fulton County, Village of Archbold, Village of Fayette	3.45	3.85	4.05	3.35	3.20	17.90	10	917.90	56
18	Drought and Extreme Heat	Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.38	3.81	3.84	3.69	3.88	18.59	10	918.59	54

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
19	Epidemic	Evaluate public health emergency preparedness capabilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	3.57	3.93	3.93	3.80	4.03	19.27	15	419.27	62
20	Flooding	Work to prevent flood damage to property in low-lying areas where runoff water collects.	Fulton County, Village of Fayette, Village of Lyons	2.91	3.73	4.14	3.82	4.05	18.64	8	1118.64	36
21	Flooding	Adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Fulton County, Village of Delta, Village of Fayette, Village of Lyons	3.46	4.00	4.00	3.67	3.88	19.00	8	1119.00	32
22	Flooding	Identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Fulton County	2.75	3.10	3.55	3.30	3.60	16.30	8	1116.30	45
23	Flooding	Review, implement, and evaluate the storm water management plan for the purpose of flood and flash flood prevention.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	3.35	3.81	4.04	3.69	3.88	18.77	8	1118.77	35
24	Flooding	Advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta	3.38	3.88	4.19	3.58	3.77	18.81	8	1118.81	34

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
25	Flooding	Control development in floodplains by enforcing flood-proofing standards.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	3.42	3.81	3.88	3.58	3.85	18.54	8	1118.54	37
26	Flooding	Establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Fulton County, Village of Delta, Village of Fayette	3.73	4.14	4.05	3.59	3.59	19.09	8	1119.09	31
27	Flooding	Evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.47	3.90	4.03	3.63	3.87	18.90	8	1118.90	33
28	Flooding	Install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Fulton County, City of Wauseon, Village of Delta, Village of Fayette	3.00	3.61	4.00	3.26	3.65	17.52	8	1117.52	43
29	Flooding	Work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	City of Wauseon, Village of Archbold	2.40	2.80	3.20	3.20	2.80	14.40	8	1114.40	50

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
30	Flooding	Develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	City of Wauseon	2.00	3.00	3.00	3.50	3.50	15.00	8	1115.00	48
31	Flooding	Advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village of Archbold	3.00	3.50	4.00	4.00	3.50	18.00	8	1118.00	39
32	Flooding	Advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Village of Archbold	3.00	3.00	3.00	3.00	2.50	14.50	8	1114.50	49
33	Flooding	Advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village of Archbold	3.50	3.50	4.00	4.00	3.50	18.50	8	1118.50	38
34	Flooding	Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	2.14	2.86	3.09	2.77	3.23	14.09	8	1114.09	51

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
35	Flooding	Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	3.20	3.44	3.68	3.36	3.48	17.16	8	1117.16	44
36	Flooding	Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	3.41	3.64	3.82	3.41	3.64	17.91	8	1117.91	40
37	Flooding	Assess the feasibility of an early flood warning/notification system.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	3.24	3.60	3.68	3.32	3.72	17.56	8	1117.56	42
38	Flooding	Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	Fulton County, Village of Archbold	2.50	3.13	3.69	3.00	3.19	15.50	8	1115.50	47
39	Flooding	Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	Fulton County, Village of Archbold	2.74	3.00	3.53	3.05	3.47	15.79	8	1115.79	46

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
40	Flooding	Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette	3.38	3.57	4.00	3.14	3.48	17.57	8	1117.57	41
41	Hazardous Materials	Update existing alarm systems to warn about hazardous materials spills.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	3.57	3.97	3.90	3.47	3.97	18.87	2	1718.87	14
42	Hazardous Materials	Complete a commodity flow study for Fulton County.	Fulton County	3.45	3.80	4.05	3.60	3.95	18.85	2	1718.85	15
43	Hazardous Materials	Maintain an inventory of hazardous waste generators and storage facilities in GIS.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	3.93	4.19	4.22	3.96	4.19	20.48	2	1720.48	13

APPENDIX B: MATRIX SCORING SPREADSHEET

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
44	Invasive Species	Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.54	3.76	4.16	3.60	3.60	18.66	11	818.66	57
45	Landslides, Erosion, Mine Subsidence	Identify and map erosion hazard areas.	Fulton County, City of Wauseon, Village of Archbold	3.40	3.70	3.95	3.30	3.32	17.67	14	517.67	61
46	Thunderstorms	Require structures on temporary foundations to be anchored to permanent foundations.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	3.10	3.38	3.48	3.14	3.38	16.48	6	1316.48	30
47	Thunderstorms	Install and maintain surge protection on critical electronic equipment.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.31	3.92	3.69	3.38	3.62	17.92	6	1317.92	29
48	Thunderstorms	Provide educational materials to school children about the safety procedures during severe summer storms.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	4.19	4.41	4.41	4.07	4.15	21.22	6	1321.22	28

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#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
49	Terrorism	Install bollards to block roadways during public events, such as festivals and parades.	Fulton County, Village of Archbold, Village of Fayette, Village of Swanton,	3.50	4.09	3.73	3.73	3.86	18.91	9	1018.91	53
50	Terrorism	Require active shooter training exercises in public schools and government facilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons, Village of Swanton	4.00	4.34	4.07	4.31	4.41	21.14	9	1021.14	52
51	Tornadoes	Construct community safe rooms.	Fulton County, City of Wauseon, Village of Archbold	2.84	3.52	3.56	3.24	3.68	16.84	4	1516.84	21
52	Tornadoes	Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	3.19	3.70	3.63	3.26	3.70	17.48	4	1517.48	20
53	Tornadoes	Promote enhanced anchoring of manufactured homes.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	3.42	3.79	3.67	3.50	3.71	18.08	4	1518.08	19

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
54	Tornadoes	Encourage wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	Fulton County, City of Wauseon, Village of Archbold, Village of Lyons	2.95	3.50	3.45	3.25	3.40	16.55	4	1516.55	22
55	Tornadoes	Distribute information about the locations of tornado shelters.	Fulton County, City of Wauseon, Village of Archbold, Village of Fayette, Village of Lyons	4.14	4.39	4.32	4.11	4.29	21.25	4	1521.25	18
56	Utility Failure	Develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette	3.08	3.75	3.79	3.75	4.04	18.42	5	1418.42	26
57	Utility Failure	Advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Fulton County, City of Wauseon, Village of Delta, Village of Fayette, Village of Lyons	3.20	3.88	4.00	3.80	4.12	19.00	5	1419.00	25
58	Utility Failure	Install power generators in public buildings.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	2.78	3.61	3.57	3.61	4.00	17.57	5	1417.57	27

#	Hazard	Mitigation Action	Community	Cost Effective	Technically Feasible	Environ-mentally Sound	Immediate Need	Total Risk Reduction	Raw Score	Hazard Priority	Action Score	Action Priority
59	Utility Failure	Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.43	4.00	4.04	3.79	4.11	19.36	5	1419.36	24
60	Utility Failure	Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.85	4.15	4.04	4.00	4.15	20.19	5	1420.19	23
61	Winter Storms	Plan for and maintain adequate road and debris clearing capabilities.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Fayette, Village of Lyons	3.71	4.18	4.21	4.07	4.25	20.43	3	1620.43	16
62	Winter Storms	Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	Fulton County, City of Wauseon, Village of Archbold, Village of Delta, Village of Swanton	3.00	3.61	4.17	3.26	3.65	17.70	3	1617.70	17

Appendix C: Critical Facilities List

APPENDIX C: CRITICAL FACILITIES LIST

The following table provides a summary of the number of critical facilities categorized by each type. Fulton County maintains a complete list of all critical facilities.

Type	Count
Agriculture	72
Industrial	8
Commercial	51
Residential	116
Government Property	226
Board of Education Property	43
Park District Property	9
Hospitals and Other Exempted Properties	43
Places of Worship	14
Cemeteries and Other Monuments	51
Railroads	2

Appendix D: Sources

APPENDIX D: SOURCES

Introduction
http://www.dot.state.oh.us/Divisions/Planning/TechServ/TIM/Documents/RI339/RI-339-FUL.pdf
http://www.dot.state.oh.us/Divisions/Planning/TechServ/TIM/Documents/RI82B/RI82B_SR.pdf
http://www.dot.state.oh.us/Divisions/Operations/Aviation/
https://naturepreserves.ohiodnr.gov/gollwoods
https://gis3.dot.state.oh.us/OhioRail/
http://forestry.ohiodnr.gov/maumee#tabc1

History and Demographics
https://www.census.gov/quickfacts/
https://www.wauseondowntownassociation.org/photo-history-of-wauseon
https://sites.rootsweb.com/~ohfulton/FCHistory.pdf

Floods
https://www.ncdc.noaa.gov/stormevents/

Severe Storms
https://www.fema.gov/disaster/796
https://sharpp.dps.ohio.gov/ohiosharpp/#

Tornado
https://www.ncdc.noaa.gov/stormevents/

Severe Winter Storms
https://sharpp.dps.ohio.gov/OhioSHARPP/Documents/OhioMitigationPlan/2019/SOHMP%202019%20DRAFT%20(003).pdf

Hazardous Materials
https://data-oepa.opendata.arcgis.com/datasets/spills-and-releases-environmental-response-sincemay-2017/data

Dam Failure
https://www.fema.gov/dam-safety-concepts
http://codes.ohio.gov/oac/1501:21-13-01
https://gis2.ohiodnr.gov/MapViewer/?config=ohiodams

Drought
https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?OH
https://www.weather.gov/cle/2012NotableEvents
https://www.nass.usda.gov/Publications/AgCensus/2012/Online_Resources/County_Profiles/Ohio/cp39051.pdf
https://quickstats.nass.usda.gov/
https://www.nass.usda.gov/Statistics_by_State/Ohio/

Epidemic
https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section11.html

Invasive Species
https://www.wkyc.com/article/news/health/invasive-plant-in-ohio-can-severely-burn-skin/266719485
http://ohiodnr.gov/invasivespecies

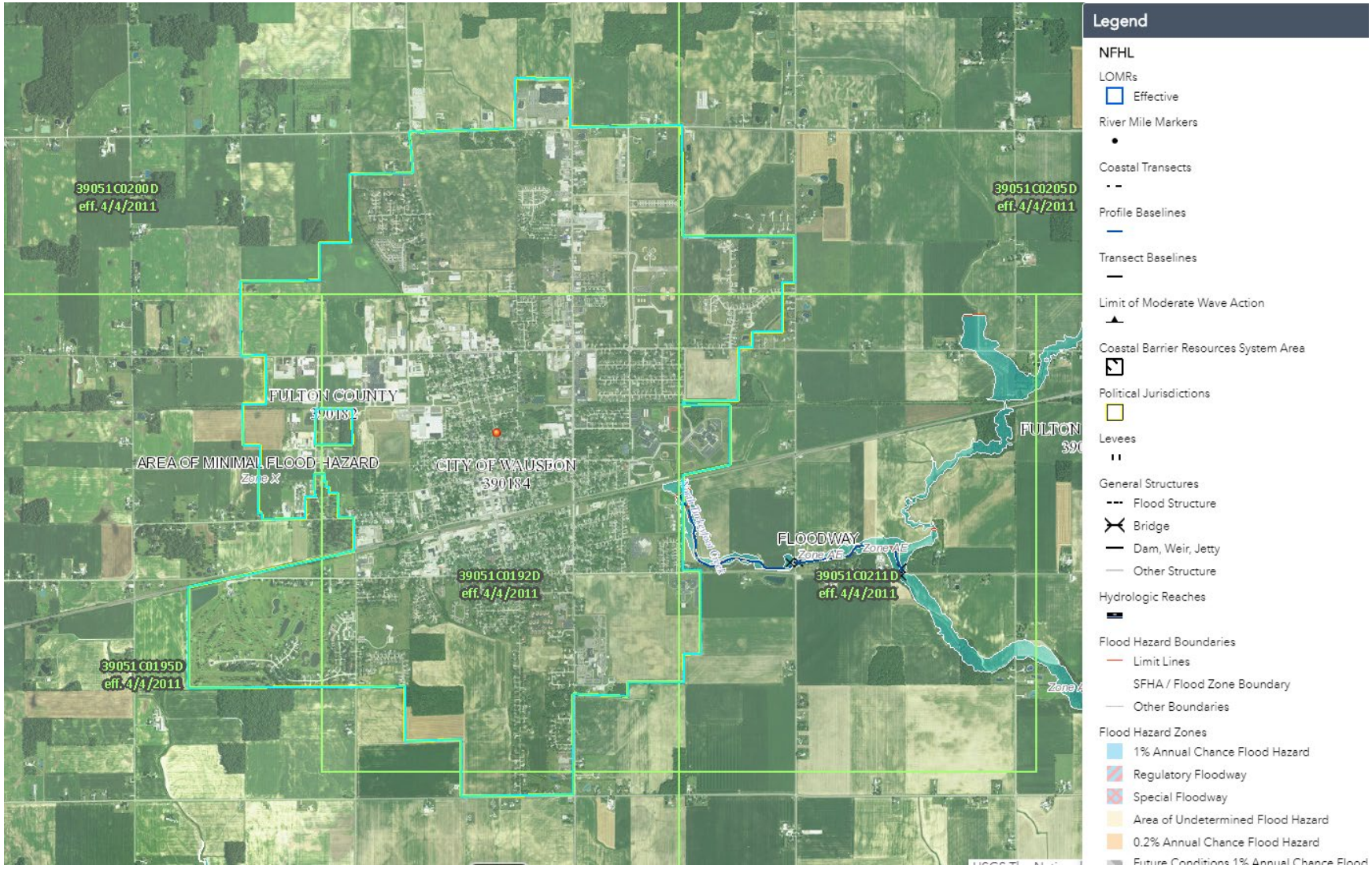
APPENDIX D: SOURCES

Earthquakes
https://www.ready.gov/about-us
https://www.ready.gov/earthquakes
http://www.geo.mtu.edu/UPSeis/hazards.html
http://geosurvey.ohiodnr.gov/live-helicorder-charts-pgs/bcoh-station-info

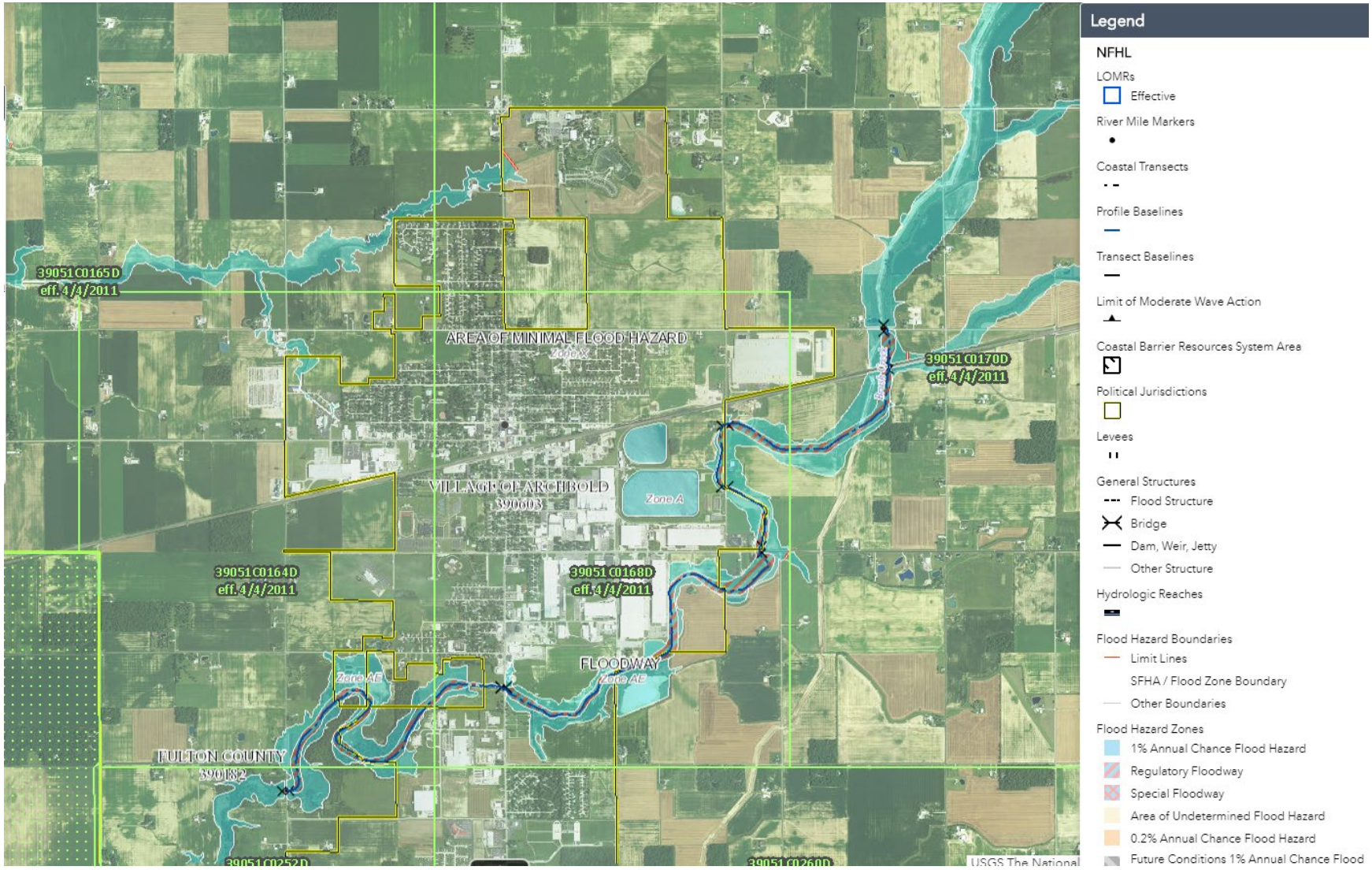
Appendix E: FEMA Flood Maps:
https://msc.fema.gov/portal/home

Appendix E: FEMA Flood Maps

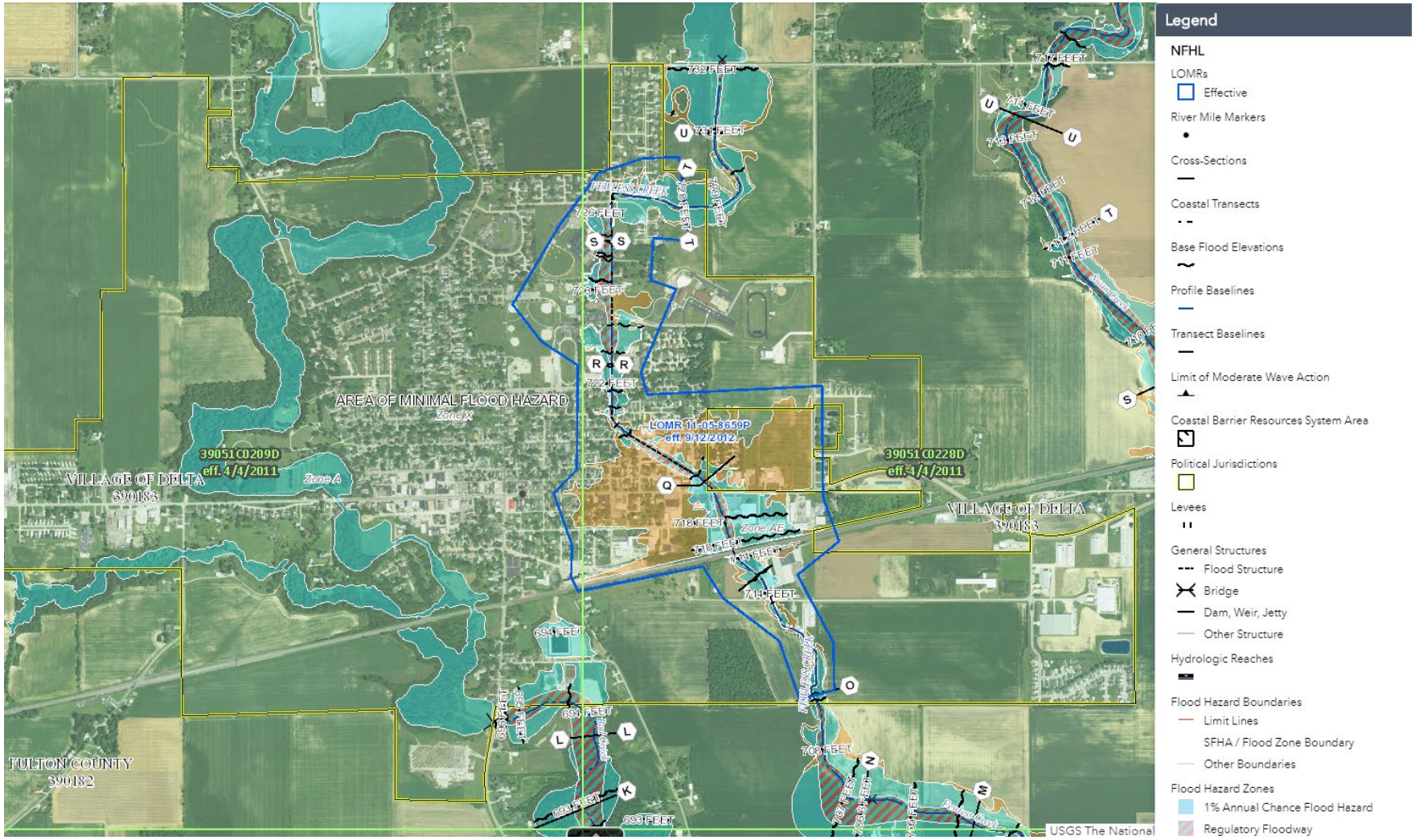
City of Wauseon



Village of Archbold

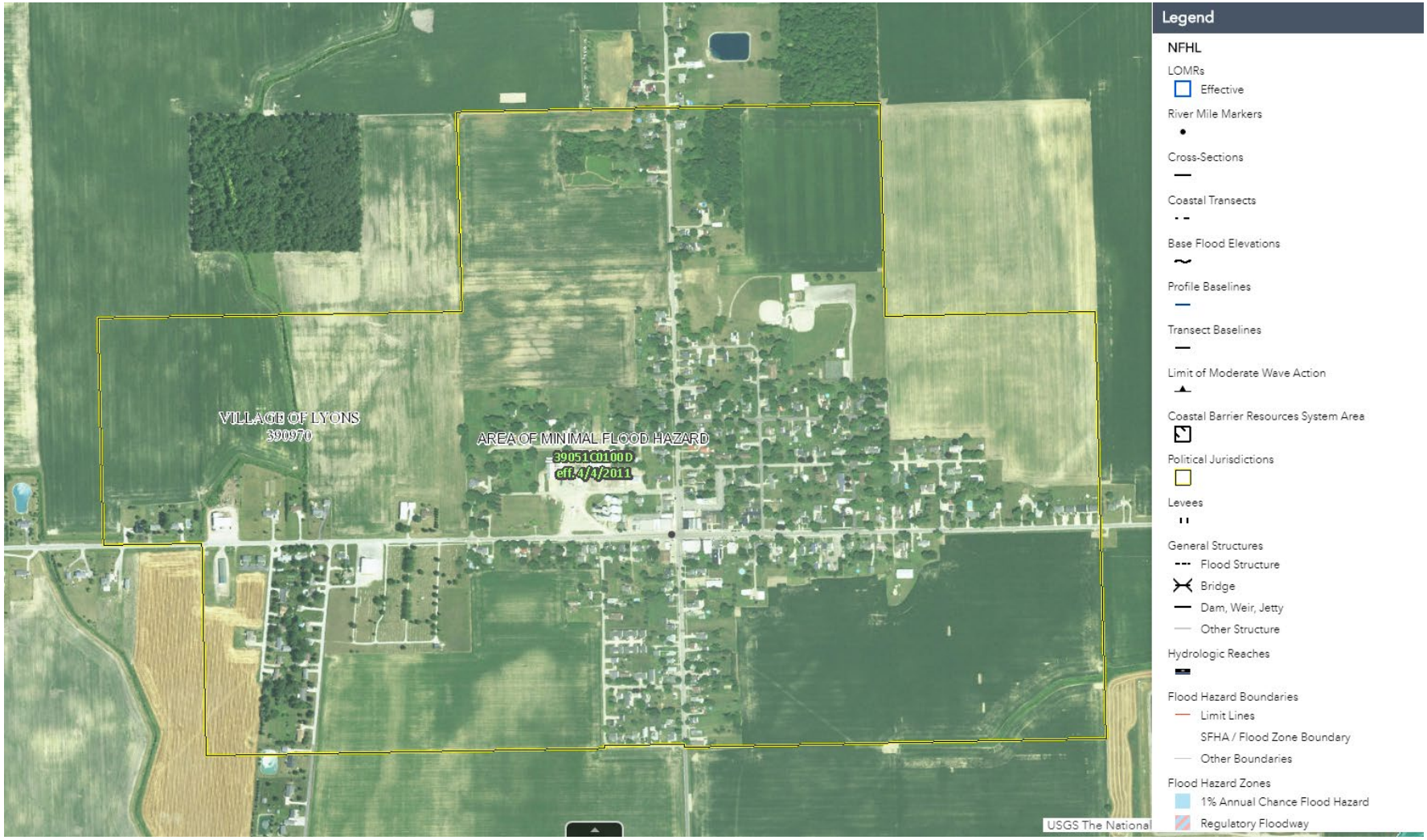


Village of Delta

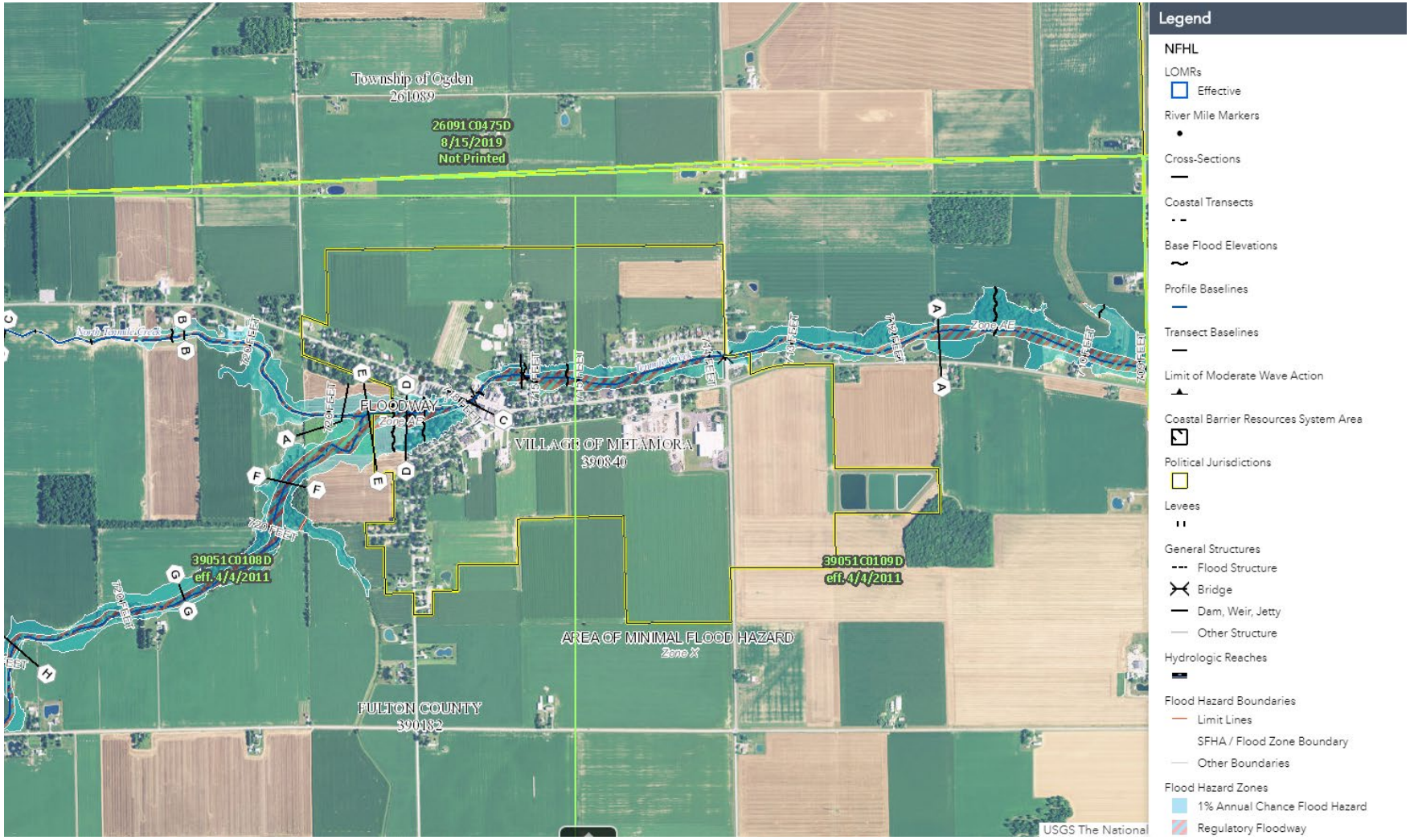


Village of Fayette

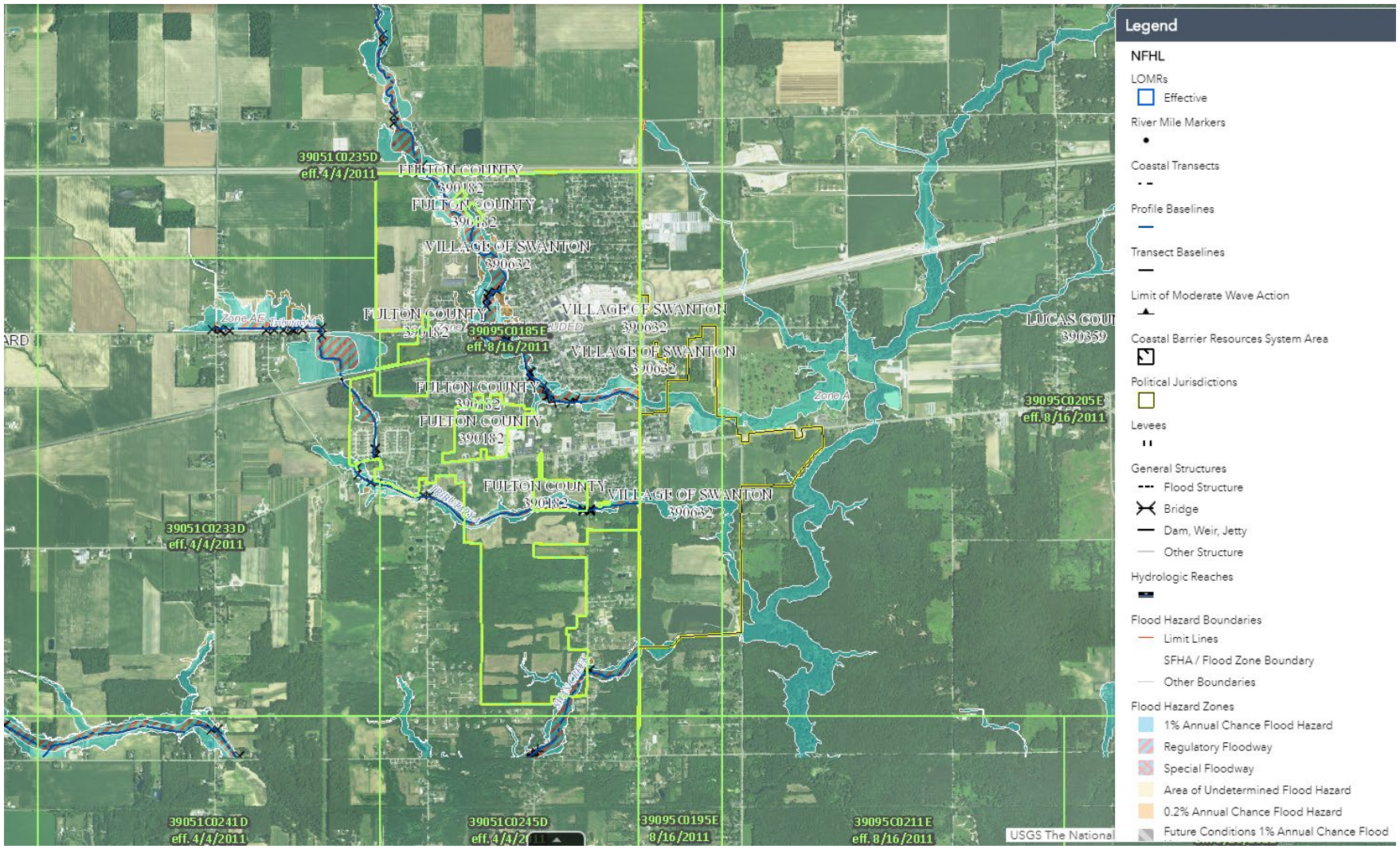
Village of Lyons



Village of Metamora



Village of Swanton



Appendix F: Meeting Documentation

Appendix F: Meeting Documentation

Kickoff Announcements

PLAN KICKOFF ANNOUNCEMENT

September 18, 2019

Goal

Update the 2015 Fulton County Multi-Jurisdictional Natural Hazard Mitigation Plan to include both natural and man-made hazards that pose a threat to the County.

Who's involved?

The Fulton County EMA will work closely with Burton Planning Services and members of the Core Planning Committee to develop a mitigation plan that adequately addresses the threats posed to Fulton County residents by natural and man-made hazards. The following people will be involved:

- Rebecca (Becky) Goble, Fulton County EMA Director
- Burton Planning Services (BPS)
  - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
  - Rich Roths, AICP, Hazard Mitigation Strategies
  - Anna van der Zwaag, CTA, Plan Preparation, Public Involvement
  - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling, GIS
  - Elvin Pinckney, Public Involvement
- Core Planning Committee Members

Hazard Mitigation Planning: Federal Requirements

The Disaster Mitigation Act, 2000 (DMA2K) states that all jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster. DMA2K provides a legal basis for FEMA's state, local, and tribal mitigation planning requirements. Additionally, the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 created the system where Presidential disaster declarations trigger federal assistance via FEMA.

To receive federal funding, hazard mitigation plans must:

- Be updated and adopted by local jurisdictions every 5 years
- Include:
  - Public participation and documented process
  - Existing conditions and demographics
  - Major disaster declarations since the previous plan
  - Risk assessments and vulnerability analyses for hazards
  - Mitigation actions and their status
  - Identified plan maintenance and updates
- Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update.

Hazard Mitigation Planning: Overview

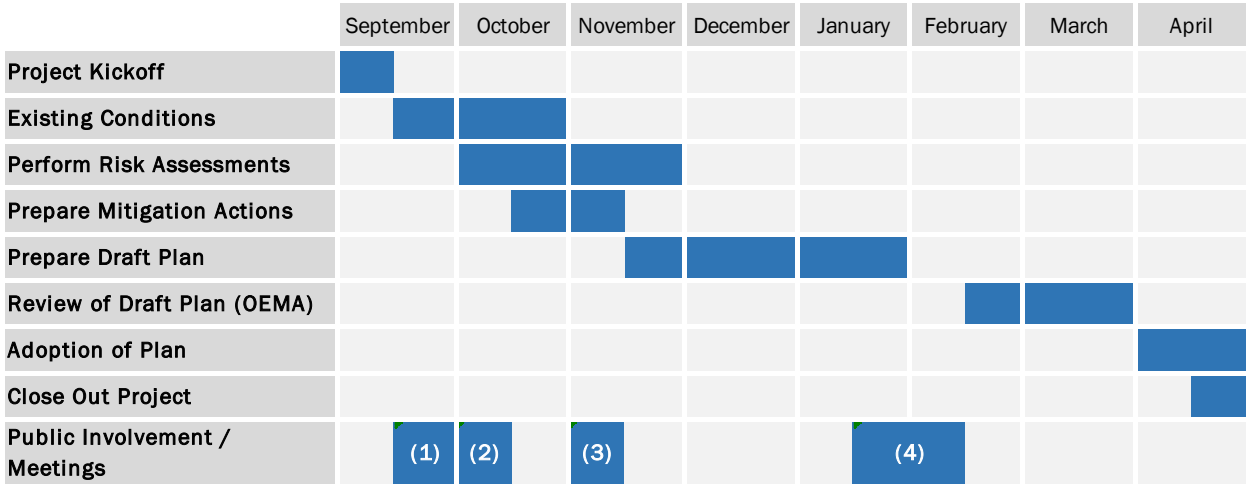
Potential hazard types include natural disasters (floods, storms, droughts, landslides, invasive species, etc.) and man-made disasters (hazardous material spills, terrorism, etc.). Benefits of updating the hazard mitigation plan include:

- Minimizing property damage, economic loss, injuries and loss of human life
- Enhancing public awareness of natural and man-made hazards
- Coordinating inter-jurisdictional preparedness measures, mitigation actions, and programs for effective implementation
- Providing a tool for decision-makers to better prepare for disasters
- Achieving state and federal regulatory compliance to be eligible for funding

Hazard Mitigation Planning: Process and Schedule

FEMA focuses on the mitigation strategies, on the intent and compliance of the plan, and on the planning process.

Milestones for the Fulton County All Hazards Mitigation Plan are indicated in blue, below.



(1) Stakeholder Kickoff, via email: September 18, 2019
(2) Core Planning Committee Meeting #1: Tuesday, October 15, 2019 at 2:30 PM, Public Meeting to follow at 4:30 PM.
(3) Core Planning Committee Meeting #2: Tuesday, November 19, 2019 at 2:30 PM, Public Meeting to follow at 4:30 PM.
(4) 30-Day Public Comment Period, January-February 2020.

Hazard Mitigation Planning: Core Planning Committee Role

The role of the Core Planning Committee (you!) is as follows:

- Provide local knowledge and data as needed
- Help identify potential hazards from past experience and prioritize hazards
- Help develop new mitigation actions, determine the status of previous mitigation actions, and prioritize new mitigation actions
- Provide feedback on the draft plan
- Participate in public and stakeholder meetings
- Assist in plan adoption for representative local jurisdiction

Contact Information:

Fulton County EMA
Rebecca Goble, Fulton County EMA Director
Email: beckygoble@fultoncountyoh.com
Office: 419-337-9207

Burton Planning Services
Kimberly Burton, BPS President
Email: kburton@burtonplanning.com
Office: 614-392-2284

SAMPLE HAZARD MITIGATION PLAN KICKOFF ANNOUNCEMENT EMAIL

Good Afternoon,

Fulton County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five (5) years to remain eligible for funding for projects. Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update. Community input is critical to this plan's success (and the FEMA approval process). As such, we are asking for your participation in the planning process at the following two meetings:

Planning Meeting 1

Tuesday, October 15, 2019
Planning Session 2:30 PM
Public Meeting 4:30 PM
Fulton County Welcome Center
8848 State Route 108, Wauseon, Ohio 43567

Planning Meeting 2

Tuesday, November 16, 2019
Planning Session 2:30 PM
Public Meeting 4:30 PM
Fulton County Welcome Center
8848 State Route 108, Wauseon, Ohio 43567

Please review the attached Kickoff Meeting Announcement, which describes the goal of the hazard mitigation planning process, as well as who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and also allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

As always, please let us know if you have any questions or if we can assist in any way.

Sincerely,

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Appendix F: Meeting Documentation

Core Planning Committee and Public Meeting #1

CORE PLANNING COMMITTEE MEETING 1 ANNOUNCEMENT

Good Afternoon,

Fulton County was recently awarded a Pre-Disaster Mitigation Grant to update our county's Hazard Mitigation Plan. Community input is critical to this plan's success (and the FEMA approval process). As a stakeholder, we are asking you to participate as a member of the Core Planning Committee. Our first meeting will be held **Tuesday, October 15, 2019 at 2:30 PM** in the Fulton County Welcome Center (8848 SH 108, Wauseon, Ohio 43567). If you are unable to attend during work hours, you are also welcome to attend the public meeting at the Fulton County Welcome Center on **Tuesday, October 15, 2019 at 4:30 PM.** It is very important that we representation from all of Fulton County's jurisdictions.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and also allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects. Without an approved Hazard Mitigation Plan, we would lose our eligibility for future mitigation grant funding. **Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update.**

Please RSVP by October 14, 2019 to beckygoble@fultoncountyoh.com or (419) 337-9207 and let us know which meeting time to expect you. As always, please let us know if you have any questions or if we can assist in any way. Thank you for supporting our project and we look forward to seeing you on October 15!

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Press Releases

Fulton County Residents:

The Fulton County All Hazards Mitigation Plan is required to be updated every five years to ensure that Fulton County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs. Currently, potential hazards are being updated and we are in need of participation by residents in Fulton County. A public involvement meeting has been arranged for Tuesday, October 15, 2019 from 4:30-5:30 PM with public attendance very much needed for feedback. The event will be held at the Fulton County Welcome Center (8848 SH 108, Wauseon, Ohio 43567).

Submitted by: Rebecca S. Goble, Fulton County EMA Director

Government Websites by CivicPlus®

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Fulton County Emergency Management Agency
8848 SH 108, Suite 105
Wauseon, Ohio 43567
419-337-9207

September 24, 2019

To Whom it May Concern:

The Fulton County All Hazards Mitigation Plan is due for updating. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

We are currently in the process of identifying potential hazards and are in need of participation by residents in Fulton County. A public involvement meeting has been arranged for **Tuesday, October 15, 2019 from 4:30-5:30 PM** with public attendance very much needed for feedback.

At this meeting each potential natural, geological, and man-made hazard will be reviewed to determine its potential threat to Fulton County. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

The event will be held in the at the Fulton County Welcome Center (8848 SH 108, Wauseon, Ohio 43567).

Signed,

Rebecca S. Goble, Fulton County EMA Director

Classifieds

- To place your ad, mail or drop off your ad at our office, 207 N. Defiance St., Archbold, OH 43502; call us at 419-445-4466; fax us at 419-445-4177; or email us at: advertising@archboldbuckeye.com.
- You may also order classifieds online 24 hours/day at www.archboldbuckeye.com.
- Classified Line Ad Deadline: Tuesday noon prior to publication.

20 Words Only $16.50

20¢ for each additional word. Classified ads must be paid in advance. With business accounts we will charge your monthly statement. The Buckeye office is open Monday thru Friday, 9 a.m. to 5 p.m.

NOTE: The publisher will only be responsible for the first incorrect insertion. We must be notified of any error prior to the second insertion. We will cancel ads on request. Sorry, no refunds.

3-Week Econ-O-Ad Only $36.50

Up to 20 words, each additional word 20¢ per week. You may cancel ad anytime, but no refunds given for cancelled weeks. The same ad must be run three consecutive weeks under the same heading with no changes.

Individuals AND Businesses are eligible for this rate!

PREPAYMENT IS REQUIRED. With business accounts we will charge your monthly statement.

CYCLES & BIKES

SEIBERT CYCLES. Bicycle Service and Repair. Serving Archbold and surrounding areas. Small repairs to major overhauls. Call 567-239-1316. 18-25-2

FOR RENT

ROOM FOR rent in a respectable neighborhood on Short-Buehrer Road. Large room with bathroom and kitchen accessibility. If interested call 419-572-9794. 2-9-16

2-BEDROOM, 2-bathroom, 1-car garage in quiet Ridgeville Corners. Washer, dryer, sewer included. Pet-free/smoke-free home. Call 419-572-9828, leave message. 18-25-2

SELF STORAGE/Park Place Storage units now available. Various sizes. Outside storage also available. Competitive prices. Rt. 66 South, Archbold, Ohio. Phone 517-254-4807; cell 419-551-4658. 18-25-2

STRYKER. MANUFACTURED home. 2-bedroom, all appliances, washer/dryer, and storage. Starts at $416. Co-signer required. 419-852-2287. 18-25-2

FOR SALE

MUMS, APPLES, cider, and fall decorations now available at Mahnke Orchards, Rd 16 between R&S, Napoleon, 419-598-8655. 2-9-16

GARAGE SALE

OLD TOYS: Fisher Price, Tonka & Carrom Board; childrens books & misc. toys; school locker; LP albums; name- brand clothes Jr.-3X, mini- fridge, round oak table & furniture. Purging lots of misc. 408 North Pointe, Archbold. Thur.-Fri. 8-5. 2

405 SHORT-BUEHRER. Thur 9-3, Fri. 9-1. Furniture, toys, childrens clothes, tools. 2

HELP WANTED

STRYKER MANUFACTURER has immediate opening for full-time, first-shift production employee. Starting pay $13/hour and some lifting is required. Must be able to pass pre-employment drug test. Respond with resume to: Manufacturer, PO Box 330, Stryker, OH 43557. 25-2-9

HELP WANTED

Local cleaning company seeking evening route supervisor for Archbold and Stryker. Qualified candidate must work well with others, be detail-oriented and customer-service-driven. Pay $13/hr and up based on experience. Candidate responsible for training new hires and filling in for absences. Paid holidays, vacations, personal days and vehicle allowance. Must have valid drivers license and proof of insurance. 20-30 hours weekly. **Call 419-478-1200.**

EOE

NOTICES

ATTENTION CHURCHES! Order your bulk candy now for Christmas bags! Pennycrest Floral & More, 220 N Defiance St., Archbold, 419-446-9473. 2-9-16

ARCHBOLD SUPERVALU daily lunch specials, 11-2. Oct. 7-11. Mon., lasagna, baked pork chops, meatball subs; Tue: ham loaf, beef & bean burritos, reuben sandwich; Wed., sausage biscuits & gravy, chicken cordon bleu pasta; Thur., cheese ravioli w/sauce, country fried steak; Fri., fish, beef manhattan, BBQ chicken sandwich. Fried chicken available M-F 4-6 pm, Sat. 11-2. 1925 S. Defiance St. 2

NOW OPEN! Ziva's Pumpkin Patch, 1619 Co Rd 24, Archbold. Variety of pumpkins, gourds, mums, straw & cornstalks. 25-2-9

REAL ESTATE

ALL REAL ESTATE advertised herein is subject to the Federal Fair Housing Act, which makes it illegal to advertise any preference, limitation, or discrimination based on race, color, religion, sex, handicap, familial status, or national origin, or intention to make any such preference, limitation, or discrimination. We will not knowingly accept any advertising for real estate which is in violation of the law. Archbold Buckeye. 11tfn

SERVICES

JACK'S SEW & Vac, etc. 124 N Main, Bryan. Fabrics, threads, notions, vacs, sewing machines, sales, parts and repairs. 419-636-4914. Monday-Friday 10-5:30; Saturday 10-12:30. 18-25-2

SNOW REMOVAL. Archbold/Ridgeville areas. Call 419-906-5307. Se25-Mr25

WANTED

WANTED TO buy: Unwanted junk cars and trucks. Cash or hauled out. Phone 419-335-1358 or 419-708-1615. 18-25-2

Public Notice

Fulton County Residents:

The Fulton County All Hazards Mitigation Plan is required to be updated every five years to ensure that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs. Currently potential hazards are being updated and we are in need of participation by residents in Fulton County. A public involvement meeting has been arranged for **Tuesday, October 15, 2019 from 4:30-5:30 PM** with public attendance very much needed for feedback. The event will be held at the Fulton County Welcome Center (8848 SH 108, Wauseon, Ohio 43567).

2

Cider In The Making

Roger Andrews, Archbold, prepares chopped apples to be pressed into cider at Sauder Village, Saturday, Sept. 21. The apples are shredded in one portion of the antique cider press, which dates back to the late 1800s. Another portion of the press uses a hydraulic cylinder to squeeze juice from the apples.–*photo by David Pugh*

Cover It Up

Jeff Aeschliman, German Township road maintenance worker, foreground, and Josh King, township road superintendent, were hard at work last month backfilling a new section of drainage tile on Co. Rd. 20.–*photo by David Pugh*

Your conversations on local issues will be better after reading the Archbold Buckeye.

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Julie Dominique, Realtor
julie@freyandsons.net
Kevin G Frey, Broker
210 Westfield Dr., Archbold, OH
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419-572-1350 cell
419-445-8888 fax

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Inside Sales/Customer Service Positions

Rupp Seeds has openings for full-time and part-time positions in our sales and customer service department.

Work in this position includes entering and processing sales orders, answering phone calls, helping customers select vegetable varieties, answering questions about the status of orders and/or the products ordered, follow up problems reported, and other general office tasks. Product training will be provided.

The ideal candidate will have experience in customer service or inside sales. Possessing a general knowledge of vegetable gardening and plants, and an understanding of farming practices is considered a plus.

Applicants must be friendly, have excellent people skills, good listening skills, a desire to be helpful, and an ability to work in a seasonal, fast paced environment. They must be able to touch type and use a personal computer, software and the internet.

This is an hourly position and occasional seasonal overtime is required.

Rupp Seeds is an independent seed company that is in its third generation of family ownership and management. The company markets leading vegetable seed products to professional growers throughout North America. We also market a full line of grain and forage products within the tri-state area of Ohio, Michigan and Indiana.

Please submit resume to:
Rupp Seeds Inc.
17919 County Road B
Wauseon, Ohio 43567
Or via fax at 419-337-5491
or e-mail to hr@ruppseeds.com

Rupp®
SEE WHAT GOOD YIELDS®

From: Peggy Volkman

To: abelcher@fayettesch.org; admin@villageofswantonohio.us; Amanda Nowak; amstechschulte@dps.ohio.gov; Andrea Gleckler; Andrea Schwiebert; Andy Brodbeck (chiefbrodbeck@gmail.com); Andy Welch (andy.welch@pmbaarchitects.com); Anna Van Der Zwaag; Anthony Bernal (GorhamFayetteFireRescue@gmail.com); Anthony Dawson (ardawson50@yahoo.com); ashleytodd02@yahoo.com; athomas@pdys.org; BJ Abbott; Becky Goble; Bentley415@gmail.com; bfetzer@villageofdelta.org; bfwanner@yahoo.com; bhuffman@archbold.com; Brett Kolb; boesgers@gmail.com; bpeebles@villageofdelta.org; Brian Shanks; brookesmith@metamoraohio.org; Benjamin Rowland; Bryan Smith; bryanstambaugh1135@gmail.com; bshort@archbold.com; bsmitty1949@hotmail.com; cabecordy@gmail.com; Carol Willson; carried@waltersandpeck.com; catherine.reed@redcross.org; cbslb@bright.net; Chaz Burkhart; cgrime@archbold.com; Chris Lake (chris.lake@swantonschools.org); Chris Meeker (meekercp@gmail.com); Chris Waterfield (christopher.waterfield@dot.ohio.gov); claire.sutton@sauder.com; clem.kutzli@cityofwauseon.com; Cory Skoczen (cory.skoczen@ohioturnpike.org); Craig Rose (crose@villageofswantonohio.us); Craig Tanis (craig.tanis@lenawee.mi.us); csigg@fulhealth.org; dave.murry@hotmail.com; David Boyer (dborer@villageoffayette.com); Dawn Baldwin (dbaldwin@wmsco.org); Dawn Hogrefe; ddaniel@villageofdelta.org; ddavis@archbold.com; deltafd210@gmail.com; dena.barnhouse@dnr.state.oh.us; director@archboldchamber.com; director@wauseonchamber.com; dmiller@mvpo.org; Donna Dettling; drew.ginn@yahoo.com; dwesthoven@villageofswantonohio.us; ema@henrycountyohio.com; emmonsfarms@yahoo.com; Eric Richer; Eric Smola (esmola@evgvikings.org); firef423@hotmail.com; Frank Onweller; Frank Wilton (lurch@bright.net); gbiddix@villageoffayette.com; Gilberts3278@yahoo.com; Glenn Coblentz; Halen Mealer; harold.stickley@cityofwauseon.com; ihite48@gmail.com; ike@archbold.com; Jack Rupp (jackrupp67@yahoo.com); Jack Wagner (wagnerj@centurylink.net); JBEV7@windstream.net; Jeff Anspach; jeff.stiriz@cityofwauseon.com; jeffmaz14@yahoo.com; jelishort@gmail.com; jenglish@cityofdefiance.com; Jim Jones; Jim Stubbins (jdstubbins@gmail.com); jjgood@embarqmail.com; Jodi Herman; Joe Contreras; Joe Gombash (j1gumby@gmail.com); Joe Short (joe@jsins.net); john.arps@cityofwauseon.com; john.flegal@epa.ohio.gov; John.Mueller@dnr.state.oh.us; johnhudik@metamoraohio.org; johnpupos@metamoraohio.org; Jon Rupp; joshua.zientek@dnr.state.oh.us; jpilliod@villageofswantonohio.us; Jeff Rupp; jselgo@archboldschools.org; jsimon@villageoffayette.com; Julie Fenicle (jlfen@embarqmail.com); Julie Rittenhouse (ema@defiance-county.com); Karen Pennington; karennoward@metamoraohio.org; Kathy Huner (mayor@cityofwauseon.com); Kathy Kreuz (kkreuz@villageofswantonohio.us); kcclark16@reagan.com; Kim Cupp; Keith Torbet (keithtorbet@cityofwauseon.com); Kevin Chittenden; Kevin Gerken; kevinm@andresoneilandlowe.com; Kim Bowles; Kinsman Propane; Kristen Malosh; Larry Burkholder (lburkholder@gmail.com); Larry Neuenschwander (larryneuen@howardhanna.com); Laura Moyer; Laura Wachtmann; lfrank6@roadrunner.com; Lisa Mitchell; lonnie.s@shortagency.com; Lt. 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Subject: Mitigation Planning Meeting - October 15, 2019

Date: Monday, October 7, 2019 1:15:40 PM

Everyone,

Several days ago you received an email from me asking for participation in the Fulton County's Hazard Mitigation Plan updating process. As a stakeholder, we are asking you to participate as a member of the Core Planning Committee. As a reminder, the first meeting will be held Tuesday, October 15, 2019 at 2:30 PM at the Fulton County Welcome Center (8848 SH 108, Wauseon, Ohio

43567). If you are unable to attend during work hours, you are also welcome to attend the public meeting at the Fulton County Welcome Center on Tuesday, October 15, 2019 at 4:30 PM. It is very important that we have representation from all of Fulton County's jurisdictions.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and also allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects. Without an approved Hazard Mitigation Plan, we would lose our eligibility for future mitigation grant funding.

Thank you for supporting our project and we look forward to seeing you on October 15!

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Peggy Volkman
Fulton County EMA
Administrative Assistant
419-337-9207
peggyvolkman@fultoncountyoh.com

From: Becky Goble

To: abelcher@fayettesch.org; admin@villageofswantonohio.us; amstechschulte@dps.ohio.gov; Amy Metz-Simon; Andrea Schwiebert; Andy Brodbeck (chiefbrodbeck@gmail.com); Andy Welch (andy.welch@pmbaarchitects.com); Anna Van Der Zwaag; Anthony Bernal (GorhamFayetteFireRescue@gmail.com); Anthony Dawson (ardawson50@yahoo.com); ashleytodd02@yahoo.com; athomas@pdys.org; BJ Abbott; Becky Goble; Bentley415@gmail.com; bfetzer@villageofdelta.org; bfwanner@yahoo.com; bhuffman@archbold.com; Brett Kolb; boesgers@gmail.com; bpeebles@villageofdelta.org; Brian Shanks; brookesmith@metamoraohio.org; Benjamin Rowland; bryanstambaugh1135@gmail.com; bshort@archbold.com; bsmitty1949@hotmail.com; cabecordy@gmail.com; Carol Willson; carried@waltersandpeck.com; catherine.reed@redcross.org; cbslb@bright.net; Chaz Burkhart; cgrime@archbold.com; Chris Lake (chris.lake@swantonschools.org); Chris Meeker (meekercp@gmail.com); claire.sutton@sauder.com; clem.kutzli@cityofwauseon.com; Cory Skoczen; Craig Rose (crose@villageofswantonohio.us); Craig Tanis (craig.tanis@lenawee.mi.us); csigg@fulhealth.org; dave.murry@hotmail.com; David Boyer (dborer@villageoffayette.com); Dawn Baldwin (dbaldwin@wmsco.org); Dawn Hogrefe; ddaniel@villageofdelta.org; ddavis@archbold.com; deltafd210@gmail.com; dena.barnhouse@dnr.state.oh.us; director@archboldchamber.com; director@wauseonchamber.com; dmiller@mvpo.org; Donna Dettling; drew.ginn@yahoo.com; dwesthoven@villageofswantonohio.us; ema@henrycountyohio.com; emmonsfarms@yahoo.com; Eric Richer; Eric Smola (esmola@evgvikings.org); firef423@hotmail.com; Frank Onweller; Frank Wilton (lurch@bright.net); gbiddix@villageoffayette.com; Gilberts3278@yahoo.com; glenncoblentz@northclinton.org; Halen Mealer; harold.stickley@cityofwauseon.com; ihite48@gmail.com; ike@archbold.com; Jack Rupp (jackrupp67@yahoo.com); Jack Wagner (wagnerj@centurylink.net); JBEV7@windstream.net; Jeff Anspach; jeff.stiriz@cityofwauseon.com; jeffmaz14@yahoo.com; jelishort@gmail.com; jenglish@cityofdefiance.com; Jim Jones; Jim Stubbins (jdstubbins@gmail.com); jjgood@embarqmail.com; Jodi Herman; Joe Contreras; Joe Gombash (j1qumby@gmail.com); Joe Short (joe@jsins.net); john.arps@cityofwauseon.com; john.flegal@epa.ohio.gov; John.Mueller@dnr.state.oh.us; johnhudik@metamoraohio.org; johnpupos@metamoraohio.org; Jon Rupp; joshua.zientek@dnr.state.oh.us; jpilliod@villageofswantonohio.us; Jeff Rupp; jselgo@archboldschools.org; jsimon@villageoffayette.com; Julie Fenicle (jlfen@embarqmail.com); Julie Rittenhouse (ema@defiance-county.com); Karen Pennington; karennoward@metamoraohio.org; Kathy Huner (mayor@cityofwauseon.com); Kathy Kreuz (kkreuz@villageofswantonohio.us); kcclark16@reagan.com; Kim Cupp; Kevin Gerken; kevinm@andresoneilandlowe.com; Kim Bowles; Kinsman Propane; Kristen Malosh; Larry Burkholder (lburkholder@gmail.com); Larry Neuenschwander (larryneuen@howardhanna.com); Laura Wachtmann; lfrank6@roadrunner.com; lonnie.s@shortagency.com; Lt. 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Subject: correction on date

Date: Monday, September 23, 2019 12:06:40 PM

Correction on the date

Good Afternoon,

Fulton County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five (5) years to remain eligible for funding for projects. Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update. Community input is critical to this plan's success (and the FEMA approval process). As such, we are asking for your participation in the planning process at the following two meetings:

Planning Meeting 1
Tuesday, October 15, 2019
Planning Session 2:30 PM
Public Meeting 4:30 PM
Fulton County Welcome Center
8848 State Route 108, Wauseon, Ohio 43567

Planning Meeting 2
Tuesday, November 19, 2019
Planning Session 2:30 PM
Public Meeting 4:30 PM
Fulton County Welcome Center
8848 State Route 108, Wauseon, Ohio 43567

Please review the attached Kickoff Meeting Announcement, which describes the goal of the hazard mitigation planning process, as well as who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and also allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

As always, please let us know if you have any questions or if we can assist in any way.

Sincerely,

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Peggy Volkman
Fulton County EMA
Administrative Assistant

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Sign-In Sheet: Core Planning Committee Meeting #1

October 15, 2019 at 2:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Julie Brink	419 445-8314	brinkjulie@hotmail.com	Fulton County Visitors Bur	Coordinator
Anna vander Zwaag	614-406-7775	avanderzwaag@burtonplanning.com	BPS	Associate Planner
Elvin Pinckney	614 214-3234	EPinckney@BurtonPlanning.com	BPS	Senior Env. Specialist
Todd Grosier	419-572-1258	toddgrosier@gmail.com	FC EMA	
Mike Fountain	419-373-7012	michael.fountain@dot.ohio.gov	ODOT	Transportation Admin.
Chris Lake	419-826-2055	chris.lake@swantonschools.org	Swanton Schools	Superintendent
Carol Hellar	419-704-8434	bobwills@bright.net	Retired Farmer	Represent.
Jack Wagner	419-266-4744	wagnerjc@centurylink.net	Pike Twp	Trustee
Jason Sims	419-587-6442	jsims@villageofsyca.com	Com	Police
Lee Wixom III	419 445 9991	lwixom@archbold.com	Archbold	Police
Bryon Smith	419 566 1650	bsmith@fairlawnradio.com	Fairlawn Heron	Compliance Manager
Tammy Feehan	6142033056	tfeehan@dps.ohio.com	Ohio EMA	Supervisor
Ann Roth	419 826 9515	mayor@villageofswanton.us	Village of Swanton	Mayor
Eric Smola	419-644-3521	esmola@evgvikings.org	Evergreen Local	Superintendent
Genna Biddix	419-237-2116	gbiddix@villageoffayette.com	Village of Fayette	Administrator

Sign-In Sheet: Core Planning Committee Meeting #1

October 15, 2019 at 2:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Keith Tabler	419-335-9811	Keith.Tabler@cityofwauseon.com	City of Wauseon	Public Service Director
Trent Sutter	419-822-7736	s_tutt@firstenergycorp.com	FirstEnergy	External Affairs
Richard Kilgour	419-335-4010	rwilgour@fultoncountyoh.com	Sheriff	9-1-1 Coordinator
Gina Ross	419-337-9606	Unitedway@fulton-county.oh.us	United Way	Exec Director
DAVID DAVIS	419-445-9506	ddavis@archbold.com	Archbold FD	Fire Chief
Kevin Chittenden	419-335-3871	wpd2585@wauseonpd.com	Wauseon PD	Chief
Scott Lonsdale	419-337-7922	Store@museum.offultoncounty.org	Museum	Operations Manager
Carrie Sigg	419-380-2756	CSigg@fchealth.org	FCHC	Emerg. Preparedness
Angie Belcher	4197227661	abelcher@fayettesch.org	Fayette	Superintendent
Matt Yoder	337-90			
Matt Goff	419-337-9270	matt@fcedc.ohio.com	FCEDC	Executive Director
Troy Armstrong	419-583-0719	tarmstrong@wauseonschools.org	Wauseon Schools	Superintendent
Peggy Volkman	419-352-3647	peggyvolkman@fultoncounty.oh.com	Fulton EMA	
Rebecca Pickle	419937-9807	Beckypickle@fultoncountyoh.com	EMA	

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Core Planning Committee

Sign-In Sheet: ~~Public Meeting #1~~

October 15, 2019 at ~~4:30pm~~ 2:30PM

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Anthony C. Schaffer	419.825.1455	tschaffer@villageofswantonohio.us	Village of Swanton	Deputy Fire Chief
B.S. Abbott	419-335-5072	babbott@fultoncountyoh.com	Fulton Co Engineers	Hwy Superintendent
Mark Bryson	419 923 1343	mtbryson@yahoo.com	THRIVE - TRU	Custom S.
Scott Smith	419-822-4626	deltafd210@gmail.com	~~Delta Fire Dept~~	Fire Chief
Rachel Kinman	419-337-0915	rkinsman@fultoncountyoh.com	Fulton Co Health Dept	Health Educator
Eric Richer	419.337-9210	richer.5@osu.edu	OSU Extension	Extension Educator, Ag/NR
Kim Bowles	419-337-9217	kbowles@fultoncountyoh.com	Fulton SWCD	District Administrator
Patricia Wiemken	419 337 0915	pwiemken@fultoncountyoh.com	FCHD	EH Director
Scott A Strahl	4193370915	sstahl@fultoncounty.com	FCHD	Planner
Kim Cupp	419 337 0915	Kcupp@fultoncountyoh.com	FCHD	Health Commissioner
Bill Rutenacht	419-551-1615	rutenachtbe yahoo.com		Fulton County Commissioner
Mike Panza	419 [illegible] 2567	mike.panza@wastefulton.com	WASTE FULTON	EHS
Dennis Mitter	419-784-3582	dmitter@nwpa.org	FCRPC	Director
Paul Dzyak	419 [illegible] 0654	Pdzyak@yahoo.com	Village Swanton	Pres Village Council
Claire Sutton	419 446 4283	claire.sutton@sanderson	SANDERSON	ENV. SCI.

Lyons Council

Sign-In Sheet: Public Meeting #1

October 15, 2019 at 4:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Brittany Roof	419-335-7831	brittanyroof@cityofwauseon.com	WFD (FIRE)	EXEC. ASSISTANT
Glenn Coblentz	330 231 0961	revcob@gmail.com	NorthCentral CLL	Lead Pastor
Angel Matthews	419-822-9414	shmyal@yahoo.com		Public Event Coordinator
Donna Dettling		ddettling@archbold.com	Archbold	Administrator
Karen P. David, RN, IT		catherine.reed@redcross.org	Red Cross	
Jon Rupp		jonrupp@fultoncountyoh.com		Commissioner
Lisa Mitchell	419-215-7940	lmitchell@swanton healthcare.com		CEO/Coroner
Clayton Obrien	419-567-454-6152	ClaytonObrien@fultoncountyoh.com		EMS coordinator
Richard McKibben	419-822-5511	raltmckibben@windstream.net	V. of Delta Planning Comm.	
Rebecca Eddie		Becky.Eddie@FultonCounty.oh	EMA	
Peggy Volkman		PegVolkman@~~ema~~fultoncounty.oh	FC EMA	
Anna van der Zwaag	614-466-7775	avanderzwaag@kurtonplanning.com	~~614-466-7775~~ BPS	Assoc. Planner
Elvin Pinckney	614-314-3234	epinckney@kurtonplanning.com	BPS	Senior Env. Planner

CORE PLANNING COMMITTEE MEETING #1

October 15, 2019, 2:30 pm
8848 State Route 108, Wauseon, Ohio 43567

1. Introductions

2. Hazard Mitigation Overview

3. Progress Update

4. Committee Role & Action Items

5. Next Steps

HAZARD MITIGATION

Purpose of Hazard Mitigation

According to the Federal Emergency Management Agency (FEMA), hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards such as tornadoes, flooding, and winter and severe storms. Mitigation activities may be implemented prior to, during, or after an incident. However, hazard mitigation has been shown to be most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

Because of this, federal regulations were developed through the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 and the Disaster Mitigation Act of 2000, to provide for state, local, and tribal governments to undertake a risk-based approach to reducing risks to natural hazards through mitigation planning. Under the Disaster Mitigation Act of 2000, jurisdictions must have an adopted hazard mitigation plan to receive funds from the Federal Emergency Management Agency (FEMA) in the event of a disaster.

Types of Hazards

- Water
  - Flooding
  - Dam & Levee Failure
- Wind
  - Tornadoes
  - Damaging Winds
  - Hurricanes
- Storms
- Extreme Temperatures
- Drought & Wildfire
- Geology
  - Landslides
  - Mine Subsidence
  - Earthquakes
- Invasive Species
- Man-made
  - Hazardous Materials
  - Terrorism

Federal Requirements

To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions, updated every 5 years, and include:

- Public participation and documented update process
- Existing conditions and demographics
- Major disaster declarations since the previous plan
- Risk assessments and vulnerability analyses for hazards
- Mitigation actions and their status
- Identified plan maintenance and updates

Planning Process

- **Milestone 1**: Project kickoff; gather data for existing conditions and demographics.
- **Milestone 2**: Public Meeting #1 will provide time for the community to review goals for the plan, rank potential hazards, and determine status of previous mitigation actions.
- **Milestone 3**: Burton Planning Services will perform risk assessments & vulnerability analyses and develop mitigation actions based on the feedback received from the first public meeting.
- **Milestone 4**: Public Meeting #2 will provide time for the community to review the proposed mitigation actions and rate actions based on relevance to local communities.
- **Milestone 5**: Burton Planning Services will prepare a draft plan based on community feedback and survey results.
- **Milestone 6**: The Ohio Emergency Management Agency and FEMA will conduct reviews of the draft plan.
- **Milestone 7**: Once the plan has been approved by FEMA, the County and participating jurisdictions will adopt the plan.

To Participate: Fill out a paper copy of the surveys at the public meeting or at the County EMA offices or go to links on the back of this page to fill out the surveys online.

Questions & Contact: For questions, please contact Rebecca Goble, Director of Fulton County Emergency Management Agency, at (419) 337-9207 beckygoble@fultoncountyoh.com.

SURVEYS

Goals Survey and Hazard Priority Survey

The Goals Survey reviews the goals from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to determine if they are still relevant and if any new goals should be added to the 2020 mitigation plan.

The Hazard Priority Survey seeks feedback on each potential hazard to determine which hazards should be included in the 2020 mitigation plan.

Link: https://www.surveymonkey.com/r/FultonCoGoals

2015 Previous Mitigation Action Status Survey

The 2015 Previous Mitigation Action Status Survey seeks feedback on the status of the mitigation actions included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan and asks if the same mitigation actions should be carried into the 2020 mitigation plan.

Link: https://www.surveymonkey.com/r/FultonPreviousActions

Hazards Overview

Flooding

Flooding is caused by the overflow of inland water. Flash floods occur when rain water accumulates on impervious surfaces. Since 1996, there have been at least 12 flood events in Fulton County, 11 of which were flash floods. Flood events in Fulton County have caused $190,000 in property damage.

Drought and Extreme Heat

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Three droughts occurred in 1999 and one drought occurred in 1996. There were no reported damages.

Severe Summer Storms

Severe storms can include hail, damaging winds, and lightning. Wind, lightning, and hail have caused more than $1 million of property damage in Fulton County since 1962. Floods and tornadoes are not included in this hazard.

Winter Weather

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. Since 1996, winter storms have caused approximately $31,000 of property damage in Fulton County.

Tornadoes

Tornadoes usually occur during severe thunderstorms. Fulton County has experienced at least 12 tornadoes since 1954. At least one person was killed during a tornado.

Hazardous Materials

Hazardous materials include the gas and oil industry, as well as spills at storage or processing facilities or spills along roadways during shipping. Spills from transit can originate from other counties.

Landslides

A landslide occurs when rocks, earth, or other materials move down a slope. Common causes include rain, floods, and development practices along slopes.

Mine Subsubsidence

Mine subsidence occurs when the roof of a subsurface mine collapses, causing the ground above to sink or subside.

Invasive Species

Invasive species are any species within Fulton County that are not native to the area. These species can cause ecological or economic damage.

Utility/Power Failure

Utility failure occurs when neighborhoods or communities lose access to electricity, gas, running water, or any other utility. Damage can be direct (downed power lines) or indirect (spoiled goods).

Wildfire

Wildfires are fires that occur in the wilderness or countryside and spread quickly. There were 111 wildfire events in Fulton County from 2007 to 2017, burning an average of 6.86 acres.

Terrorism

There are five types of terrorism, including cyberterrorism, agroterrorism, biological terrorism, chemical terrorism, and an active aggressor.

Dam Failure

There are five Class I dams within Fulton County. Dam failure is characterized by the rapid and uncontrolled release of impounded water. Failure of Class I dams is likely to result in loss of life or great economic damages.

Earthquakes

Earthquakes are caused by the breaking and shifting of rocks beneath the earth's surface. There are no reported earthquakes in Fulton County.

FULTON COUNTY
ALL HAZARDS MITIGATION PLAN

Core Planning Committee Meeting #1 | October 15, 2019

1

Introductions

- Fulton County EMA
- BPS Project Team
  - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
  - Rich Roths, AICP, Hazard Mitigation Strategies
  - Anna van der Zwaag, Plan Preparation, Public Involvement
  - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling
  - Elvin Pinckney, Public Involvement
  - Core Planning Committee Members (You!)

2

2

Introductions

- Why are we here today?
  - *Update the 2015 Fulton County Multi-Jurisdictional Natural Hazard Mitigation Plan*
  - Hazard mitigation overview
  - Progress update
  - Gather stakeholder input
  - Next steps

3

3

Hazard Mitigation Overview

4

4

Hazard Mitigation Overview

- What is hazard mitigation?
  - A sustained action to reduce or eliminate the long-term risk to human life and property from hazards.
- Goals:
  - Reduce potential losses in future disasters.
  - Identify natural hazards and identify actions to reduce loss.
  - Establish a process to implement these actions.

5

5

Hazard Mitigation Overview

- Potential types of hazards include:
  - Water (flooding, dam/levee failure)
  - Wind (hurricanes, tornadoes, damaging winds)
  - Summer and Winter Storms
  - Drought, Wildfires, and Extreme Heat
  - Geology (landslides, earthquakes)
  - Invasive species
  - Man-made (hazardous materials, terrorism)

6

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Hazard Mitigation Overview

- The disaster response cycle

(1) Mitigation	(2) Preparedness	(3) Response	(4) Recovery
• Well-before a disaster • Hazard Mitigation Plan	• When a disaster is imminent • Emergency Operations Plan	• During a disaster • Short-term emergency aid and assistance	• Post-disaster • Disaster Recovery Plan

7

Hazard Mitigation Overview

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
  - Presidential disaster declarations trigger federal assistance via FEMA.
- Disaster Mitigation Act, 2000 (DMA2K)
  - Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
  - Jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster.

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Hazard Mitigation Overview

- Hazard Mitigation Plan Requirements
  - To receive FEMA funding, hazard mitigation plans must be **adopted** by local jurisdictions & **updated** every 5 years.
  - Hazard mitigation plans must include:
    - Public participation & documented update process
    - Existing conditions/demographics
    - Major disaster declarations since the previous plan
    - Risk assessments & vulnerability analyses for hazards
    - Mitigation actions & their status
    - Identified plan maintenance & updates

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Hazard Mitigation Overview

- Funding Opportunities
  - Federal Funding Sources
    - https://www.fema.gov/hazard-mitigation-assistance
    - Individual Assistance (IA) & Public Assistance (PA)
    - Fire Mitigation Assistance Grants (FMAG)
    - Hazard Mitigation Grant Program (HMGP)
    - Pre-Disaster Mitigation (PDM)
    - Flood Mitigation Assistance (FMA)

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Hazard Mitigation Overview

- Funding Opportunities
  - Types of projects that can receive federal funding, include:
    - Property acquisition, demolition, relocation
    - Property reconstruction
    - Structure elevation, floodproofing, retrofits
    - Generators
    - Safe rooms
    - Soil stabilization
    - Etc.

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Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
  1. Minimize property damage, economic loss, injuries, and loss of human life.
  2. Enhance public awareness and education of natural and man-made hazards.
  3. Coordinate inter-jurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation.
  4. Provide tools for decision-makers to better prepare for disasters.
  5. Achieve state and federal regulatory compliance to be eligible for funding.

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Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
  6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues.
  7. Police & Fire: funds for safety-related equipment & resources.
  8. Schools: funds for school safety-related equipment/resources.
  9. Businesses: reduce/eliminate site & operational impacts.
  10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes.

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Process and Schedule

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Process & Schedule

- Completed and Upcoming Tasks:
  - ✓ Gathered critical facilities information
  - ✓ Gathered GIS base mapping
  - ✓ Gathered repetitive loss property information
  - ✓ Summarized features and demographics of County and communities
  - ✓ Gathered historical information on previous hazard events
  - o Identify past and potential hazards to evaluate in this plan update – need feedback today
  - o Identify mitigation actions from the previous plan that need to be updated – need feedback today

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Process & Schedule

- Hazard Mitigation Planning Process:
  - ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
  - ✓ Milestone 2: Hold Planning Meeting #1
  - o Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions
  - o Milestone 4: Hold Planning Meeting #2
  - o Milestone 5: Prepare Draft Plan
  - o Milestone 6: Conduct Reviews Of Draft Plan
  - o Milestone 7: Adoption Of Plan
  - o Milestone 8: Closeout Project

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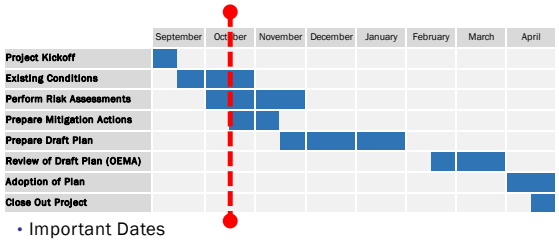
Process & Schedule



- Important Dates
  - ✓ Milestone 1: Project Kickoff – September 23, 2019 (Sent out by County EMA)
  - ✓ Milestone 2: Planning Meeting #1 – October 15, 2019
  - o Milestone 3: Planning Meeting #2 – November 19, 2019
  - o Milestone 6: Reviews of draft plan – February/March 2020
  - o Milestone 7: Adoption of plan – April 2020

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Planning Meeting 2

- Date & Time of next

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Core Planning Committee

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Core Planning Committee Role

- Overview
  - Provide local knowledge & data as needed, including history, demographics, spatial information.
  - Help identify potential hazards based on previous experience & prioritize based on risk.
  - Help develop new mitigation actions, determine status of previous mitigation actions & prioritize
  - Provide feedback on draft plan
  - Participate in both planning meetings
  - Assist in plan adoption for representative local jurisdiction

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Core Planning Committee Role

Today:

1. Add second meeting to schedule
2. Complete surveys
3. General feedback

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Core Planning Committee Action Items

- Second Planning Meeting: Tuesday, November 19, 2019
  - Core Planning Committee Meeting at 2:30 PM
  - Public Meeting to follow at 4:30 PM
  - Same time and location as today

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Core Planning Committee Action Items

- Complete Surveys
  - Survey #1: Goals
    - Goals guide the Plan and inform the development of specific mitigation actions.
    - Evaluate goals from last plan.
    - Provide comments, changes.

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Core Planning Committee Action Items

- Complete Surveys
  - Survey #2: Hazard Priorities
    - Many hazards could be included in the plan update *(see Hazards Overview handout).*
    - Determine which ones from the full list should be included in this plan.
    - Rate the priority of all hazards.

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Core Planning Committee Action Items

- Complete Surveys
  - Survey #3: Previous mitigation actions status
    - Update the status, remarks, and ratings.

NAME: POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

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Next Steps

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Next Steps – Prior to Meeting #2

- All Participating Jurisdictions & General Public:
  - Complete the goals, hazard priority, and existing mitigation action surveys
- Project Team
  - Finalize critical facilities lists
  - Perform risk assessments & vulnerability analyses
  - Develop draft mitigation actions
  - Meeting #2 preparation
- Next meeting - November 19, 2019
  - Discuss risk assessments, mitigation actions, prioritize

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QUESTIONS?

FULTON COUNTY ALL HAZARDS MITIGATION PLAN

Core Planning Committee Meeting #1 | October 15, 2019

Contact Information:

Rebecca Goble
Director of Fulton County EMA
Office of Homeland Security
Work: 419-337-9207
Email: beckygoble@fultoncountyoh.com

Kimberly Burton
BPS President
Main: (614) 392-2284
Mobile: (614) 975-8668
Email: kburton@burtonplanning.com

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Name & Organization: _____

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☐ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☐ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☐ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☐ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☐ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: _____

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	
2. Drought/Extreme Heat	
3. Earthquakes	
4. Floods	
5. Thunderstorms	
6. Tornadoes	
7. Windstorms	
8. Winter Storms	
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	
10. Invasive Species	
11. Landslides, Erosion, Mine Subsidence	
12. Terrorism	
13. Utility Failure	
14. Wildfire	

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Appendix F: Meeting Documentation

Core Planning Committee and Public Meeting #2

Surveys are needed!

Peggy Volkman <peggyvolkman@fultoncountyoh.com>

Mon 11/25/2019 10:03 AM

To: abelcher@fayettesch.org <abelcher@fayettesch.org>; admin@villageofswantonohio.us <admin@villageofswantonohio.us>; Amanda Nowak <amandanowak@roadrunner.com>; amstechschulte@dps.ohio.gov <amstechschulte@dps.ohio.gov>; Andrea Gleckler <amgleckler@hotmail.com>; Andrea Schwiebert <aschwiebert@fultoncountyoh.com>; Andy Brodbeck (chiefbrodbeck@gmail.com) <chiefbrodbeck@gmail.com>; Andy Welch (andy.welch@pmbaarchitects.com) <andy.welch@pmbaarchitects.com>; Anna Van Der Zwaag <avanderzwaag@burtonplanning.com>; Anthony Bernal (GorhamFayetteFirerescue@gmail.com) <GorhamFayetteFirerescue@gmail.com>; Anthony Dawson (ardawson50@yahoo.com) <ardawson50@yahoo.com>; ashleytodd02@yahoo.com <ashleytodd02@yahoo.com>; athomas@pdys.org <athomas@pdys.org>; BJ Abbott <babbott@fultoncountyoh.com>; Becky Goble <beckygoble@fultoncountyoh.com>; Bentley415@gmail.com <Bentley415@gmail.com>; bfetzer@villageofdelta.org <bfetzer@villageofdelta.org>; bfwanner@yahoo.com <bfwanner@yahoo.com>; bhuffman@archbold.com <bhuffman@archbold.com>; Brett Kolb <bkolb@fultoncountyoh.com>

Everyone,

Thank you to all who were able to make it to last Tuesday's Mig aon Mee ng. If you were unable to a end, we sll need y our input. Please take a few minutes to complete the survey monkey – see link below.

Your input is cric al to the success of the Fulton County Mig aon Plan.

hp s://www.surveymonkey.com/r/FultonScoringMatrix

Peggy Volkman
Fulton County EMA
Administrav e Assistant
419-337-9207
peggyvolkman@fultoncountyoh.com

Rebecca S. Goble
Director of Fulton County Emergency Management Agency
Office of Homeland Security
8848 SH 108 Suite 105
Wauseon, Ohio 43567
Work: 419-337-9207

Fulton County Emergency Management Agency
8848 SH 108, Suite 105
Wauseon, Ohio 43567
419-337-9207

October 23, 2019

To Whom it May Concern:

The Fulton County All Hazards Mitigation Plan is due for updating. The Hazard Mitigation Plan addresses threats from potential hazards and identifies possible strategies and projects to reduce the impacts, protect people and property, and reduce or eliminate long-term risk. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

Public participation is a critical component of a successful and comprehensive update. Fulton County EMA will be hosting a public meeting on **Tuesday, November 19, 2019 from 4:30-6 PM**.

Attendees will have an opportunity to identify mitigation projects to reduce or eliminate disaster-related losses. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

The event will be held in the at the Fulton County Welcome Center at 8848 SH 108, Wauseon, Ohio 43567.

Signed,

Rebecca S. Goble, Fulton County EMA Director

3 3/8” $40.56
To run Oct. 30 in the
Archbold Buckeye

Fulton County Residents:

The Fulton County All Hazards Mitigation Plan is due for updating. **Fulton County EMA will be hosting a public meeting on Tuesday, November 19, 2019 from 4:30-5:30 PM.** The public’s feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan. The event will be held at the Fulton County Welcome Center at 8848 SH 108, Wauseon, Ohio 43567. Submitted by: Rebecca S. Goble, Fulton County EMA Director

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Published on Fulton County website 10/21/19 – 11/20/19

Twitter 11/5/19

Twitter 11/25/2019

Facebook post 11/25/19

Fulton County Residents:

The Fulton County All Hazards Mitigation Plan is due for updating. The Hazard Mitigation Plan addresses threats from potential hazards and identifies possible strategies and projects to reduce the impacts, protect people and property, and reduce or eliminate long-term risk. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs. Public participation is a critical component of a successful and comprehensive update. **Fulton County EMA will be hosting a public meeting on Tuesday, November 19, 2019 from 4:30-5:30 PM.** Attendees will have an opportunity to identify mitigation projects to reduce or eliminate disaster-related losses. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan. The event will be held in the at the Fulton County Welcome Center at 8848 SH 108, Wauseon, Ohio 43567 Submitted by: Rebecca S. Goble, Fulton County EMA Director

Sign-In Sheet: Public Meeting #2

November 19, 2019 at 4:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Anna van der Zwaag	614-406-7715	avanderzwaag@burtonplanning.com	BPS	Associate Planner
Angel Matthews	419-622-7414	Shimyal@yahoo.com	Wauseon Courier	coordinator
Rebecca Gable	4193379207	Beckygable@fultonoh.com	FCEMA	Director
Peggy Volkman	419 337 9207	peggy volkman@fultoncounty.oh.com	FCEMA	Adm Asst
Elvin Pinckney	614 914-3334	EPinckney@BurtonPlanning.com	BPS	Sr. Environmental Spec

Sign-In Sheet: Core Planning Committee Meeting #2

November 19, 2019 at 2:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Eric Smola	419-644-3521	esmola@evgvikings.org	Evergreen Schools	Superintendent
Scott Yoder	419-337-9205		GIS	
Matt Gilray	419.337.9270	mgilray@fultoncountyoh.com	EDC	Director
Dexter Krueger	419-446-2109	dkrueger@archbold.com	Village of Archbold	Assistant Village Engineer
Kim Bowles	419-337 9217	kbowles@fultoncountyoh.com	FultonSWCD	District Administrator
Britney Ward	419-270-3022	bward@fulhealth.org	FCHC	Dir. CCHP
Claire Sutton	419 446 4283	claira.sutton@sauder.com	SAUDER	ENV. SCI.
Jeff Rupp	419 335 9255	jrupp@fultoncountyoh.com	Fulton County	Commissioner
Troy Armstrong	419-335-6616	tarmstrong@wauseonindians.org	Wauseon Schools	Supt.
Bill Drummond	419-335-[illegible]	director@wauseonchamber.com	WAUSEON CHAMBER OF COMMERCE	EXECUTIVE DIRECTOR
Rebecca Gobble	4193379207	beckygobble@fultoncountyoh.com	FCEMA	Director FC EMA
Peggy Volkman	419 337 9207	peggyvolkman@fultoncountyoh.com		Adm Asst

Sign-In Sheet: Core Planning Committee Meeting #2

November 19, 2019 at 2:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Tom Rupp	419 572 1159	Tom Rupp@Fulton Co	Fulton Co	Commissioner
Kim Copp	419-337-0915	KCopp@fultoncountyoh.com	FC Health Dept	Health Commissioner
Roy Miller	419-335-4010	rmiller@fultoncountyoh.com		Sheriff
Scott Strahl	419 913 6756	SStrahl@fultoncountyoh.com	FCHD	Planner
Rick Kaczmierczak	419 708 6290	Rick@swancreektwp.org		Trustee
Eric Richer	419-337-9210	richer.5@osu.edu	OSU Extension	Educator, CED.
Tim Suter	419 822 7736	Suter@firstenergycorp.com	FirstEnergy	Ext Affairs
Sharon Mack	419 330 2725	smack@fchealth.org	FCHC	Director
Carl Wilson	419-704-8434	bobwills@bright.net	FCFB	retired
Scott Smith	419-779-6592	Left-fd210@gmail.com	Fulton Bureau ~~Delta~~ ~~Fulton~~ Twp	Fire Chief

Sign-In Sheet: Core Planning Committee Meeting #2

November 19, 2019 at 2:30pm

8848 State Highway 108, Wauseon, Ohio 43567

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Julie Brink	419 495-8314	brinkjulie@hotmail	FC Visitors Bureau	Director
Anna van der Zwaag	614-406-7775	avanderzwaag@burtoplanning.com	BPS	Associate Planner
Elsie Pinckney	614 214-3234	EPinckney@Burtoplanning.com	BPS	Sr. Environmental Spec.
Mike Fountain	419-373-7012	michael.fountain@dot.ohio.gov	ODOT	Transportation Admin.
Carrie Sigg	419-330-2756	CSigg@fchc.org	FCHC	Emerg. Prep.
Lu Wilson	419 445 9991	lwilson@crenbbl.com	Village of Ashland	Comm. & Plan
Brittany Root	419-335-7831	brittany.root@cityofwauseon.com	Wauseon FD / City of Wauseon	Exec. Asst. / Fire Chief.
Mark Bryson	419 923 1343	mtbryson@yahoo.com	Village of Lyons	Council
Chris LeMire	419-826-7005	chris.lemire@sentinelschools.org	Senior Schools	Superintendent
Jason Snow	419-523-6482	jsnow@villageoffayette	Village of Fayette	Pike Co. L
Genna Biddix	419-237-2116	gbiddix@villageoffayette.com	Village of Fayette	Administrator
Scott Lonsdale	419-337-7922	Slonsdale@museumoffulloncounty.org	Museum	Operations Manager
Ziad Mesallam	4193379263	zmesallam@fultoncountyoh.com	Fulton County	Director Public Utilities
Mike Ruby	4193597180	mruby@co.wood.oh.us	Wood Cty	Build. Com
Lauren Lester	517-513-9620	laurenlester@fultoncountyoh.com	Fulton Co Commissioners	Director Marketing and Comm

PLANNING MEETING #2

November 19, 2019, 2:30 pm
8848 State Highway 108, Wauseon, Ohio 43567

1. Introductions

2. Hazard Mitigation Overview

3. Progress Update

4. Survey Results from Meeting 1

5. Committee Role & Action Items
    a. Mitigation Action Scoring Matrix

6. Next Steps

FULTON COUNTY
ALL HAZARDS MITIGATION PLAN

Core Planning Committee Meeting #2 | November 19, 2019

1

Introductions

- Fulton County EMA
- BPS Project Team
  - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
  - Rich Roths, AICP, Hazard Mitigation Strategies
  - Anna van der Zwaag, Plan Preparation, Public Involvement
  - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling
  - Elvin Pinckney, Public Involvement
  - Core Planning Committee Members (You!)

2

2

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- Why are we here today?
  - *Update the 2015 Fulton County Multi-Jurisdictional Natural Hazard Mitigation Plan*
  - Hazard mitigation overview
  - Progress update
  - Survey results
  - Gather stakeholder input on mitigation actions
  - Next steps

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Hazard Mitigation Overview

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4

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  - Wind (hurricanes, tornadoes, damaging winds)
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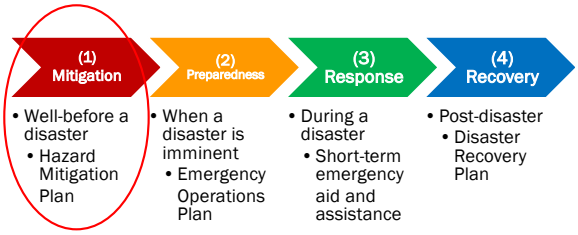
  - Drought, Wildfires, and Extreme Heat
  - Geology (landslides, earthquakes)
  - Invasive species
  - Man-made (hazardous materials, terrorism)

6

6

Hazard Mitigation Overview

- The disaster response cycle



7

Hazard Mitigation Overview

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
  - Presidential disaster declarations trigger federal assistance via FEMA.
- Disaster Mitigation Act, 2000 (DMA2K)
  - Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
  - Jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster.

8

Hazard Mitigation Overview

- Hazard Mitigation Plan Requirements
  - To receive FEMA funding, hazard mitigation plans must be **adopted** by local jurisdictions & **updated** every 5 years.
  - Hazard mitigation plans must include:
    - Public participation & documented update process
    - Existing conditions/demographics
    - Major disaster declarations since the previous plan
    - Risk assessments & vulnerability analyses for hazards
    - Mitigation actions & their status
    - Identified plan maintenance & updates

9

Hazard Mitigation Overview

- Funding Opportunities
  - Types of projects that can receive federal funding, include:
    - Property acquisition, demolition, relocation
    - Property reconstruction
    - Structure elevation, floodproofing, retrofits
    - Generators
    - Safe rooms
    - Soil stabilization
    - Etc.

10

Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
  1. Minimize property damage, economic loss, injuries, and loss of human life.
  2. Enhance public awareness and education of natural and man-made hazards.
  3. Coordinate inter-jurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation.
  4. Provide tools for decision-makers to better prepare for disasters.
  5. Achieve state and federal regulatory compliance to be eligible for funding.

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Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
  6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues.
  7. Police & Fire: funds for safety-related equipment & resources.
  8. Schools: funds for school safety-related equipment/resources.
  9. Businesses: reduce/eliminate site & operational impacts.
  10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes.

12

Process and Schedule

13

Process & Schedule

- Completed and Upcoming Tasks:
  - ✓ Gathered critical facilities information, GIS base mapping, and repetitive loss information
  - ✓ Summarized features and demographics of County and communities
  - ✓ Gathered historical information on previous hazard events
  - ✓ Identified past and potential hazards to evaluate in this plan update
  - ✓ Identified mitigation actions from the previous plan that need to be updated
  - o Prioritize new mitigation actions

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Process & Schedule

- Hazard Mitigation Planning Process:
  - ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
  - ✓ Milestone 2: Hold Planning Meeting #1
  - ✓ Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions (Ongoing)
  - ✓ Milestone 4: Hold Planning Meeting #2
  - o Milestone 5: Prepare Draft Plan
  - o Milestone 6: Conduct Reviews Of Draft Plan
  - o Milestone 7: Adoption Of Plan
  - o Milestone 8: Closeout Project

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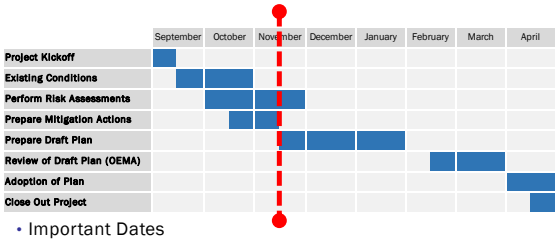
Process & Schedule



- Important Dates
  - ✓ Milestone 1: Project Kickoff – September 23, 2019 (Sent out by County EMA)
  - ✓ Milestone 2: Planning Meeting #1 – October 15, 2019
  - ✓ Milestone 3: Planning Meeting #2 – November 19, 2019
  - o Milestone 6: Reviews of draft plan – February/March 2020
  - o Milestone 7: Adoption of plan – April 2020

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Hazard Priorities from Meeting 1

Hazard	Priority
Hazardous Materials	1
Winter Storms	2
Tornadoes	3
Utility Failure	4
Thunderstorms	5
Windstorms	6
Floods	7
Terrorism	8
Drought and Extreme Heat	9
Invasive Species	10
Wildfire	11
Dam Failure	12
Landslides, Erosion, Mine Subsidence	13
Epidemic	14
Earthquakes	15

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Goals

1. Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster and man-made incidents in Fulton County.
2. Fulton County and each jurisdiction will take action to prevent vulnerability to natural and man-made disasters in Fulton County.
3. Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural and man-made disasters.
4. Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the county due to disasters and extreme weather incidents.
5. Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.
6. Fulton County and each jurisdiction will implement planning, land use, and mapping projects to reduce vulnerability to natural and man-made disaster events.

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Core Planning Committee Role

- Today
  - Updates on previous mitigation strategies (continued from previous meeting)
  - Feedback on proposed mitigation strategies
  - Provide local knowledge on recurring impacts from hazards

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Mitigation Strategies

- Surveys
  - #1: New Mitigation Actions
    - Please determine whether a new mitigation action is appropriate for your jurisdiction
    - If a mitigation action is appropriate, please provide complete ratings

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Next Steps

- Provide feedback on the draft version of the plan.
- Adoption of final plan by April 2020.

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QUESTIONS?

FULTON COUNTY ALL HAZARDS MITIGATION PLAN

Core Planning Committee Meeting #2 | November 19, 2019

Contact Information:

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Kimberly Burton
BPS President
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Email: kburton@burtonplanning.com

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MITIGATION ACTIONS SCORING MATRIX

Purpose

As part of the hazard mitigation planning process, communities are asked to identify specific projects and activities (mitigation actions) that will help their communities achieve the long-term outcomes related to specific hazards. The status of each previously-identified mitigation action is reviewed during the Hazard Mitigation Planning Process to determine the progress being made towards the County's hazard-specific goals. New mitigation projects and actions are also identified in this process.

The purpose of the Mitigation Actions Scoring Matrix is to determine which mitigation actions are relevant to each of the communities within Fulton County and to develop a corresponding action plan that describes how the mitigation actions will be implemented. Scores collected from this Mitigation Actions Scoring Matrix will be used to decide how the mitigation actions will be prioritized, administered, and incorporated into Fulton County's existing planning mechanisms.

Instructions

To complete this matrix, please review each proposed mitigation action and indicate if it is applicable to your jurisdiction. If it is applicable, score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Applicable to your jurisdiction?** – **Write Yes or No** – to indicate if you think this mitigation action is applicable to your community or jurisdiction. If Yes, fill out the remaining columns; if No, do not fill out the remaining columns.
2. **Cost Effective** – **Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
3. **Technically Feasible – Rank 1 – 5 –** the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
4. **Environmentally Sound – Rank 1 – 5 –** the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
5. **Immediate Need – Rank 1 – 5 –** whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
6. **Risk Reduction – Rank 1 – 5 –** the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

In addition, if there are any mitigation actions that are not listed that should be included, please add them and score them on the last page. We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Each action is associated with a goal of the hazard mitigation plan. These goals are located on the back of this page for your reference as you complete this survey.

MITIGATION ACTIONS SCORING MATRIX

Fulton County All Hazards Mitigation Plan Goals:

1. Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster and man-made incidents in Fulton County.
2. Fulton County and each jurisdiction will take action to prevent vulnerability to natural and man-made disasters in Fulton County.
3. Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural and man-made disasters.
4. Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the county due to disasters and extreme weather incidents.
5. Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.
6. Fulton County and each jurisdiction will implement planning, land use, and mapping projects to reduce vulnerability to natural and man-made disaster events.

Appendix F: Meeting Documentation

County Surveys

Name & Organization: Rebecca Goble EMA Director

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Name & Organization: Rebecca Gable EMA Director

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	2
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	3
13. Utility Failure	2
14. Wildfire	0

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

FULTON COUNTY

NAME: Rebecca Goble POSITION: EMA Director

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Village of Fayette is working on the water.
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 20%	IPAWS & CivicReady
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 20%	IPAWS CWIC Ready4

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Civic Ready Fair, ED
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Joe Rupp Commissioner for Fulton County

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☐ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Not sure protecting is the right word I would prefer Manage

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Name & Organization: Jon Rupp Fulton County Commissioner

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	1
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	2
13. Utility Failure	3
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Hazardous Materials
Railroad Cargo
Agriculture Nitrogen NH_3

FULTON COUNTY

NAME: Jan Kemp POSITION: Commissioner

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: 20 %	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: 50%	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15 6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 20%	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Clayton O'Brien Fulton County EMS

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	3
3. Earthquakes	1
4. Floods	3
5. Thunderstorms	4
6. Tornadoes	5
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	5
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

15. Epidemic - 4

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (Indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Name & Organization: Clayton O'Brien Fulton County EMS

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

FULTON COUNTY

NAME: Clayton O'Brien POSITION: Fulton County EMS Coordinator

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 20	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 50	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing CO	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Todd Corisier - FC EMA

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Todd Grisier - FC EMA

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	1
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	2
12. Terrorism	2
13. Utility Failure	4
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 5

FULTON COUNTY

NAME: Todd Conner POSITION: FC EMA

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☑ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Fulton County Commissioner EMA Board Bill Rutenacht

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☐ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

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_____

☐ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☐ Goal 4; Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☐ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Bill Rubenacht County Commissioner

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

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5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	2
3. Earthquakes	0
4. Floods	1
5. Thunderstorms	3
6. Tornadoes	2
7. Windstorms	4
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	0
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	2
13. Utility Failure	4
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Specially train derailments 5

Epidemic 3

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

FULTON COUNTY

NAME: Bill Rutenkolk POSITION: County Commissioner EMA Board

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: not at our 3rd	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: no clue % Complete: _____	____
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Dennis Miller, FCRPC

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Dennis Miller, FCRPC

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	1
3. Earthquakes	0
4. Floods	5
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	2
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

15. Industrial Fire (Group w. #9) — 5
16. Epidmic — 3

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing 20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

FULTON COUNTY

NAME: Dennis Miller POSITION: Director, FCRPC

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Contracted to Ware County Building Inspector
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Permitting is on-going in Flood Hazard Areas.
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	subdivision Regs are in the process of update

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Codes are in process of update
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Adopted in 2011
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Development permits are required.

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	MAPS are updated.
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	City, Municipal, County Engineer, County Wtr Dist.	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

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Name & Organization: Scott Yoder GIS

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

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☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

Name & Organization: Fulton County Engineers BS. Abbott

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

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☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

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☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: B.S. Abbott Fulton County Engineers

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	3
5. Thunderstorms	4
6. Tornadoes	2
7. Windstorms	3
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	3
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	1
13. Utility Failure	3
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

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- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

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- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
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FULTON COUNTY

NAME: **BJ Abbott, Fulton County Engineers** POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

FULTON COUNTY

NAME: Kim Bowles POSITION: District Administrator Fulton SWCD

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
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3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
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3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
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Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
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Name & Organization: Kim Bowles, Fulton SWCD

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	1
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	2

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	3
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	1
13. Utility Failure	3
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 3

Name & Organization: Kim Bowles, Fulton SWCD

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

~~Kim Bowles, Fulton SWCD~~

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

~~Kim Bowles~~

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Mike Fountain ODOT / EMA Board

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

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Please provide any additional comments on the goals in the space provided below.

Name & Organization: Mike Fountain ODOT / EMA Board

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
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2. Drought/Extreme Heat	4
3. Earthquakes	0
4. Floods	3
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	2
12. Terrorism	4
13. Utility Failure	5
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 3

FULTON COUNTY

NAME: Mike Fountain POSITION: ODOT / EMA Board

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
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4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Name & Organization: Kim Cupp, FC Health Dept, also Delta resident

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
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4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	5
3. Earthquakes	#2
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	5
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials — Trains, Tornado	#5
10. Invasive Species — Farming?	3
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	2
13. Utility Failure	5
14. Wildfire — Large Fire - 3-4	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Wide Scale Human Disease?

Drinking water contamination / Cyanobacteria a resultant Hazard

Epidemic 0-5 Rating - 4

FULTON COUNTY

NAME: Kim Cook POSITION: Health Commissioner

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	Contract w/ Wood County for commercial Inspection
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	Implemented Civic Ready ↓
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	↓
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Development Permit required for both zoned + unzoned areas
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Delete? when flood maps are completed
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Storm water drainage reviewed during lot split/subdivision process
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15 6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Support working toward utilization of veg. buffer zones & fire-resistant landscaping
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	include water/sewer storm drainage
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Notify me Civic Ready

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Carrie Sigg - Fulton County Health Center

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☐ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

Name & Organization: Carrie Sigg - Fulton County Health Center

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	3
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	4
6. Tornadoes	5
7. Windstorms	4
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	5
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

epidemic 4

FULTON COUNTY

NAME: Mimi Sigg POSITION: Emergency Preparedness

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	stated ongoing with Wood County contracted services
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	education > county fairs
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	iPause } systems civic ready
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	permitting in flood hazard areas
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Subdivision regulations - updating zoning

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Regulated under development permit
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Updated in 2011
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	per Becky Goble
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cont identification of areas in county
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Unware
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	no mapping done @ this point
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	development permits required

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	have mapping
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	per engineer
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	i Amec

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	current project

Name & Organization: Patricia Wiemken FCHD

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	3
3. Earthquakes	2
4. Floods	3
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	5
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	4
12. Terrorism	5
13. Utility Failure	4
14. Wildfire	5

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

* train derailments (or is this considered haz. mat'ls?)
* Epidemic - 5

Name & Organization: Patricia Wiemken Fulton Co. Health Dept.

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

FULTON COUNTY

NAME: Patricia Wiemken POSITION: Elt Director

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete: Updated 2017	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Unsure. Why: % Complete:	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: Recently upgraded.	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Rachel Kinsman Fulton Co Health Dept

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Rachel Kinsman -- Fulton Co Health Dept

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	5
5. Thunderstorms	4
6. Tornadoes	3
7. Windstorms	4
8. Winter Storms	5
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	5
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	3
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 3

FULTON COUNTY

NAME: Rachel Kinman POSITION: Fulton Health Dept

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15 6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15 6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	Continue education
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15 6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	updated in 2011
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Carol Hilton Fulton Co. Farm Bureau

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

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☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

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_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Carol Hilton Fulton Co. Farm Bureau

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
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4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	4
3. Earthquakes	1
4. Floods	5
5. Thunderstorms	5
6. Tornadoes	5
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	5
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

eruption of gas lines which criss cross the county ? 3
anhydrous ammonia storage at fertilizer facilities. 4

FULTON COUNTY

NAME: Carol Hilton POSITION: Representing Fulton Co. Farm Bureau

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
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3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
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4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Scott F Stahl Fulton County Health Dept

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Fulton County Health Dept

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Scott F Stahl Fulton County Health Dept.

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

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1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
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2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	3
3. Earthquakes	2
4. Floods	2
5. Thunderstorms	4
6. Tornadoes	5
7. Windstorms	4
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	2
12. Terrorism	2
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

PANDEMIC / EPIDEMIC 4

Scott Strahl Emergency Preparedness Coord.

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

WORK TO ADD A SHELTER BUILDING OR REINFORCE EXISTING BUILDING FOR MASSES OF PEOPLE DURING AN EVENT AT THE FAIR GROUNDS. FOR HIGH WINDS & TORNADOS.

REASON - GATHERINGS OF 5000 - 10000 PEOPLE at a single area DURING THE Summer months. IS COMMON.

FULTON COUNTY

NAME: SCOTT F STRAHL POSITION: EMERGENCY PREPAREDNESS COORDINATOR

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Wood county ongoing
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Educating public
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	County wide Subdivision regulations presently updating

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UPDATED 2011 - During FEMA update
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	EMA IDENTIFYING AREAS PRONE TO FLOODING
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	NOT MAPPED PRESENTLY
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Require Floodplain permit

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	?
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	In process of updating Lines.
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#1

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, October 17, 2019 2:27:11 PM
Last Modified:	Thursday, October 17, 2019 2:28:27 PM
Time Spent:	00:01:15
IP Address:	216.255.24.130

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Peggy Volkman**
Organization/Agency	**EMA**
Title/Position	**Adm Asst**
Email Address	**peggyvolkman@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Medium-High Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**N/A**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium Priority**
Invasive Species	**Highest Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Highest Priority**
Utility Failure	**Highest Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#2

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 7:53:32 AM
Last Modified:	Friday, October 18, 2019 7:54:13 AM
Time Spent:	00:00:40
IP Address:	24.142.181.90

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Jeff Rupp**
Organization/Agency	**Fulton County**
Title/Position	**Commissioner**
Email Address	**jrupp@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

#6

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 8:31:41 AM
Last Modified:	Friday, October 18, 2019 8:34:38 AM
Time Spent:	00:02:57
IP Address:	216.255.24.130

Page 1: Survey Instructions

Q1 Name and Organization

Name	**B.J. Abbott**
Organization/Agency	**Fulton County Engineers**
Title/Position	**Highway Superintendent**
Email Address	**babbott@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Low-Medium Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Low-Medium Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Lowest Priority**
Utility Failure	**Medium Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#9

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 11:58:13 AM
Last Modified:	Friday, October 18, 2019 12:01:13 PM
Time Spent:	00:02:59
IP Address:	216.255.24.130

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Roy Miller**
Organization/Agency	**Fulton County Sheriffs Office**
Title/Position	**Sheriff**
Email Address	**rmiller@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Medium-High Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**N/A**
Windstorms	**N/A**
Winter Storms	**N/A**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Medium-High Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Highest Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#10

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, October 18, 2019 1:37:39 PM
Last Modified: Friday, October 18, 2019 1:41:21 PM
Time Spent: 00:03:42
IP Address: 216.255.24.130

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Rachel Kinsman**
Organization/Agency	**Fulton County Health Department**
Title/Position	**Health Educator**
Email Address	**rkinsman@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#11

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 1:48:21 PM
Last Modified:	Friday, October 18, 2019 1:51:51 PM
Time Spent:	00:03:30
IP Address:	71.213.209.85

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Karen Pennington**
Organization/Agency	**FCHD**
Title/Position	**Educator**
Email Address	**kpennington@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Medium-High Priority**
Earthquakes	**Lowest Priority**
Floods	**Low-Medium Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium Priority**
Invasive Species	**Low-Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Low-Medium Priority**
Utility Failure	**Highest Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 2:51:58 PM
Last Modified:	Friday, October 18, 2019 2:57:46 PM
Time Spent:	00:05:47
IP Address:	174.233.5.194

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Craig Rower**
Organization/Agency	**Fulton County Ill%**
Title/Position	**CERT member**
Email Address	**g2397@frontier.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	How would you modify this goal, if needed?: Strive to protect
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Low-Medium Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Medium Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Highest Priority**
Utility Failure	**Medium Priority**
Wildfire	**Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#16

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 7:59:40 AM
Last Modified: Monday, October 21, 2019 8:02:09 AM
Time Spent: 00:02:29
IP Address: 156.63.69.79

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Maurine Clymer**
Organization/Agency	**Fulton County Job & Family Services**
Title/Position	**Social Service Supervisor 3**
Email Address	**Maurine.Clymer@jfs.ohio.gov**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**N/A**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Low-Medium Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Medium Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#17

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 8:05:54 AM
Last Modified: Monday, October 21, 2019 8:11:08 AM
Time Spent: 00:05:13
IP Address: 199.38.205.186

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Dennis Miller**
Organization/Agency	**Fulton County RPC**
Title/Position	**Director**
Email Address	**dmiller@mvpo.org**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

#22

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, October 21, 2019 11:51:58 AM
Last Modified:	Monday, October 21, 2019 11:57:21 AM
Time Spent:	00:05:22
IP Address:	216.255.24.130

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Ziad Musallam**
Organization/Agency	**Fulton County**
Title/Position	**Director, Public Utilities**
Email Address	**zmusallam@fultoncountyoh.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Respondent skipped this question**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Respondent skipped this question**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Respondent skipped this question**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Respondent skipped this question**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Medium Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Low-Medium Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Low-Medium Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**N/A**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**N/A**

Q11 Please provide any additional comments about these hazards.

the above ratings are based on the hazards and how they could potentially affect the current county's drinking water and sanitary sewer infrastructures.

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

FULTON COUNTY

NAME: Rebecca Goble JURISDICTION: Fulton County/EMA Director

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Yes	4	5	3	4	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Yes	4	4	3	4	4	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Yes	3	3	3	3	3	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Yes	3	3	3	3	3	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Yes	2	3	3	3	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Yes	4	5	3	4	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Yes	3	3	3	3	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Yes	4	5	3	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	yes 3	1	3	3	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	yes 3	3	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	yes	4	4	3	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	yes	4	4	3	3	4	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	yes	3	3	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	yes	4	3	3	3	~~3~~ 4	
Encourage all dam owners to create an emergency action plan (EAP).	New	6							
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	yes	3	3	3	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	yes	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	yes	3	3	3	3	3	working on it.
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	yes	3	3	3	3	3	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	yes	3	3	3	3	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	yes	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	yes	3	3	3	3	3 4	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	yes	3	3	3	3	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	yes	3	3	3	3	4	
Fulton County will control development in floodplains by ~~enforcing~~ flood-proofing standards.	Previous	3	yes	3	3	3	3	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	yes	3	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	yes	3	3	3	3	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	no						
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	yes	1	3	3	3	4	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	no						
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	no						
Assess the feasibility of an early flood warning/notification system.	New	2	yes	3	3	3	3	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	yes	4	3	3	3	4	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	no						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	no						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	no						
Complete a commodity flow study for Fulton County.	New	6	yes	2	3	3	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	ye	3	3	3	3	3	
Prepare an emergency response plan for hazardous materials spills.	New	6	CHART		OUT.				
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	yes	3	3	3	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	yes	3	3	3	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	yes	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	yes	3	3	3	3	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	yes	2	3	3	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	yes	3	3	3	3	3	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	yes	3	3	3	3	4	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	yes	3	3	3	3	4	
Require active shooter training exercises in public schools and government facilities.	New	2	yes	3	3	3	3	4	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	yes	2	3	3	3	4	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	yes	2	3	3	3	4	
Promote enhanced anchoring of manufactured homes.	New	1	yes	3	3	3	3	4	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	no						
Distribute information about the locations of tornado shelters.	New	5	yes	4	3	3	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	yes	2	3	3	3	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	yes	3	3	3	3	4	
Install power generators in public buildings.	New	2	no						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	yes	3	3	3	3	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	yes	3	3	3	3	4	

FULTON COUNTY

NAME: Peggy Volkman JURISDICTION: Fulton County EMA

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	5	3	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	2	2	5	3	3	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	5	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	5	3	3	3	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	3	3	5	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	2	2	4	3	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	2	4	4	5	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	3	3	3	2	2	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	2	3	4	3	4	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	3	3	3	2	2	
Encourage all dam owners to create an emergency action plan (EAP)	New	6	Y	5	5	5	5	5	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	3	3	3	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	4	4	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	2	4	2	2	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	4	4	4	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	1	3	4	4	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	4	5	5	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	2	2	2	4	4	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	2	4	4	4	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	4	2	4	2	2	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	4	4	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	3	3	4	4	4	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	3	3	3	3	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	3	3	3	3	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	2	4	4	4	4	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	2	2	4	4	4	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	5	5	5	5	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	2	3	3	3	3	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	1	3	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	4	4	4	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	2	3	3	2	5	
Complete a commodity flow study for Fulton County.	New	6	N						
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	N						
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	3	4	4	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	N						
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	2	4	4	4	5	
Install and maintain surge protection on critical electronic equipment.	New	4	N						
Provide educational materials to school children about the safety procedures during severe summer storms.	New	3	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	4	4	4	4	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	4	4	4	4	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	y	5	5	5	5	5	
Encourage ~~Require~~ active shooter training exercises in public schools and government facilities.	New	2	y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	1	4	4	5	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	y	1	4	4	5	5	
Promote enhanced anchoring of manufactured homes.	New	1	Y	2	4	4	4	5	
Encourage ~~or require~~ wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	4	2	4	4	4	
Distribute information about the locations of tornado shelters.	New	5	y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	1	3	4	3	3	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	1	3	3	3	3	
Install power generators in public buildings.	New	2	N						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	3	4	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	2	4	4	4	4	

FULTON COUNTY

NAME: Kim Bowles JURISDICTION: Fulton County

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	4	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	4	5	3	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	4	4	3	4	4	5	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	4	4	4	5	5	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	4	4	4	4	5	5	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	4	5	5	5	3	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	4	4	3	5	5	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	4	3	4	4	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	2	5	5	5	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	6	Y	3	4	5	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	5	4	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	4	5	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	3	3	4	3	5	
Complete inundation maps for Class I, II, and III dams.	New	6	N						State
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						State
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	5	5	5	4	5	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						USDA

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	4	2	3	2	4	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	4	2	3	5	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	4	3	5	5	5	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	4	4	5	5	4	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	4	4	5	5	4	5	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	4	3	5	5	4	5	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	4	4	5	5	4	5	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	4	3	5	5	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	4	4	5	5	2	5	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	~~4~~ N						Village Jurisdictional
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	4	1	3	5	3	5	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	4	1	1	5	4	5	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	4	2	2	4	2	5	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	4	2	2	5	2	5	
Assess the feasibility of an early flood warning/notification system.	New	2	4	1	2	3	1	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	4	3	2	5	2	5	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	4	3	2	5	3	5	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	4	3	2	5	3	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	2	1	2	2	5	
Complete a commodity flow study for Fulton County.	New	6	N						
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	N						
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	2	2	3	2	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	1	3	5	5	5	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	2	2	2	3	5	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N						
Install and maintain surge protection on critical electronic equipment.	New	4	N						
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	4	2	4	5	4	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	4	3	4	5	3	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2							
Require active shooter training exercises in public schools and government facilities.	New	2	4	3	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1							
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1							
Promote enhanced anchoring of manufactured homes.	New	1							
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4							
Distribute information about the locations of tornado shelters.	New	5							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	N						Toledo Edison
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	N						Toledo Edison
Install power generators in public buildings.	New	2	4	1	2	4	4	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	4	3	4	5	5	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	N						

MITIGATION ACTIONS SCORING MATRIX

NAME: SCOTT FSTRAHL Emergency Preparedness Coordinator FULTON COUNTY JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	3	4	3	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	3	4	5	3	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	4	5	4	4	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	4	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	4	5	3	2	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	5	5	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	4	4	4	4	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	4	5	5	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	5	5	5	4	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	N						
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	5	5	5	2	2	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	4	4	4	3	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	5	5	5	5/4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	5	4	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	N						
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	4	5	4	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	4	4	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	4	4	4	3	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	5	5	4	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	4	4	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	5	5	~~4~~ 4	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	3	4	4	4	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	5	5	4	3	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	4	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	4	4	4	4	4	
Assess the feasibility of an early flood warning/notification system.	New	2	N						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	2	4	5	3	3	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	2	3	4	3	2	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	3	3	4	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	5	5	
Complete a commodity flow study for Fulton County.	New	6	Y	4	5	5	5	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	5	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	5	3	4	2	2	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	4	4	4	4	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N						
Install and maintain surge protection on critical electronic equipment.	New	4	Y	2	5	5	2	2	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	4	4	4	4	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	5	5	5	5	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	4	4	5	4	4	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	4	4	5	4	3	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	4	5	4	4	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	4	5	4	4	
Promote enhanced anchoring of manufactured homes.	New	1	Y	~~3~~ 4	4	5	4	4	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N						
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	2	4	5	3	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	5	5	3	4	
Install power generators in public buildings.	New	2	Y	2	4	4	3	3	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	5	5	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

FULTON COUNTY

NAME: Kim Epps JURISDICTION: Health Dept - Hlth Commissioner

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction? (County)	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	3	4	3	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	4	5	5	3	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	4	3	4	3	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	4	3	4	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	3	4	3	4	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	4	3	4	4	3	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	4	4	4	4	4	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	4	4	4	3	5	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	4	5	5	5	4	4	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	~~4~~	Don't have enough info/ knowledge to accurately answer					state owned; state responsibility; Dike -
Complete inundation maps for Class I, II, and III dams.	New	6							
Encourage all dam owners to create an emergency action plan (EAP).	New	6							Caution for ODPR
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	4	4	4	5	3	4	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	4	3	3	4	3	3	Municipalities have existing weather stations; County could pull these observations together

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	3	4	5	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	5	4	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	4	4	5	3	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	5	5	5	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y/N	3	3	4	4	4	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	4	4	4	4	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	4	4	4	4	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	5	5	5	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	4	4	4	2	2	State floodplain management maps maintained locally. Use
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	4	4	4	4	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	4	4	4	3	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	3	3	4	3	4	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	4	4	4	3	4	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	4	4	4	3	4	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	3	3	4	3	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	3	3	3	3	3	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	4	3	4	3	4	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	5	5	5	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	3	3	3	3	
Complete a commodity flow study for Fulton County.	New	6	Y	4	4	4	3	3	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	4	4	4	4	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	Already exists					Already exists LEPC
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	4	4	4	4	4	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	3	3	3	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N	3	3	5	4	4	Residential Building codes are not countywide
Install and maintain surge protection on critical electronic equipment.	New	4	N	4	3	4	3	4	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	4	4	4	4	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y N	4	3	4	3	3	Private property owner responsibility
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	4	4	3	3	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	4	4	4	4	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	4	4	4	4	5	
Promote enhanced anchoring of manufactured homes.	New	1	N	4	4	4	3	3	Not OH Daytona Commerce Jurisdiction
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N	3	3	4	4	4	Residential Building code — Not present in all jurisdictions
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3	3	3	4	5	ability responsibility
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	4	4	4	4	
Install power generators in public buildings.	New	2	Y	3	3	3	3	3	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	5	5	5	5	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

FULTON COUNTY

NAME: Connie Sloan, Emerg. Mgr. JURISDICTION: Fulton County Health Center

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	3	4	3	3	3	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	3	4	4	3	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	4	3	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	4	5	3	4	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	4	4	5	4	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	2	5	4	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	5	5	5	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	5	5	4	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	4	4	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	N	3	3	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	4	5	5	5	5	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	4	4	4	3	2	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	5	5	5	5	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	5	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	3	4	4	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	4	4	5	4	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	3	4	3	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	4	4	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	2	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	3	3	3	3	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	3	3	4	3	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	2	3	3	3	4	Neutral
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	2	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	3	3	3	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	3	3	3	3	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2							unsure
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2							unsure
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2							unsure

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	4	4	4	5	
Complete a commodity flow study for Fulton County.	New	6	Y	3	4	4	3	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	4	5	5	4	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	5	5	5	5	5	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	4	5	4	4	4	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	4	4	4	4	5	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	4	4	4	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	5	5	5	5	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	5	5	5	5	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	4	5	5	5	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	4	5	5	5	5	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	5	5	4	5	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	4	4	4	5	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	4	4	4	4	5	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	5	5	4	5	
Install power generators in public buildings.	New	2	Y	3	4	4	4	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	5	4	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

FULTON COUNTY

NAME: Eric Richer OSU Extension JURISDICTION: Fulton Co.

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	1-5 Cost Effective (Easy)	1-5 (Easy Funding) Technically Feasible	1-5 Environmentally Sound	1-5 Immediate Need	1-5 Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	3	3	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering in place.	Previous	1	Y	4	5	5	3	3	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	3	4	5	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	3	3	4	3	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	5	3	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	4	3	4	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	2	3	3	1	2	Not really needed
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	3	Y	4	5	5	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	5	5	5	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	5	3	3	3	2	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	4	5	5	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	3	5	4	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	2	3	3	1	3	
Complete inundation maps for Class I, II, and III dams.	New	6							Cannot answer
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	4	4	4	3	2	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	4	5	5	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	4	5	3	3	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	4	4	5	3	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	4	5	5	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	4	5	4	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	4	5	5	5	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	4	4	5	3	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	4	5	3	3	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	2	5	4	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y						Cannot Answer
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	1	4	5	2	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	1	4	4	2	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	1	4	4	2	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1							Cannot Answer
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1							Cannot Answer
Assess the feasibility of an early flood warning/notification system.	New	2	Y	4	5	4	3	3	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	2	4	4	2	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	4	4	Update Notify Me
Complete a commodity flow study for Fulton County.	New	6	Y	4	4	4	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	5	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3/4	4	4	3	2	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	4	4	5	4	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1							Zoning?
Install and maintain surge protection on critical electronic equipment.	New	4	N						Not county responsibility
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	4	4	4	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y						Already does
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N						
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2							
Require active shooter training exercises in public schools and government facilities.	New	2	Y	4	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	N						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	2	4	3	2	2	
Promote enhanced anchoring of manufactured homes.	New	1	N						
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	4	3	3	3	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	4	4	3	3	2	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	5	4	3	2	
Install power generators in public buildings.	New	2	N						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	4	3	3	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	N						Edison / First Energy OK'd

FULTON COUNTY

NAME: M.* b.lay JURISDICTION: Economic Development

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Yes	5	5	3	4	3	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Yes	4	4	3	4	4	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Yes	3	4	4	2	3	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Yes	3	4	4	2	3	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Yes	3	4	3	2	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	No	[illegible]					
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Yes	4	3	5	2	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	No	[illegible]			[illegible]		

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	No						
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Yes	3	4	4	2	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	No						
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Yes	2	4	2	3	4	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	No						
Complete inundation maps for Class I, II, and III dams.	New	6	No						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	No						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Yes	2	4	5	2	2	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	No						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Yes	3	4	2	4	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Yes	3	4	2	3	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Yes	2	4	3	4	4	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Yes	1	4	3	4	4	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Yes	1	4	4	3	4	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Yes	3	4	3	3	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Yes	2	4	4	3	3	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Yes	3	2	3	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Yes	3	5	3	4	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Yes	2	3	3	2	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Yes	2	3	3	2	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Yes	1	3	3	2-	2	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Yes	4	4	4	4	4	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Yes	2	4	3	3	4	
Assess the feasibility of an early flood warning/notification system.	New	2	No						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Yes	2	4	3	3	4	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Yes	2	3	2	2	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Yes	3	4	4	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Yes	2	4	3	3	3	
Complete a commodity flow study for Fulton County.	New	6	Yes	3	4	4	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Yes	4	4	4	4	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Yes	4	4	4	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	No						
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	No						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Yes	3	4	4	2	2	
Install and maintain surge protection on critical electronic equipment.	New	4	Yes	2	4	4	3	4	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	No						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	No						
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Yes	4	4	4	4	4	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Yes	4	4	4	3	3	
Require active shooter training exercises in public schools and government facilities.	New	2	No						
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Yes	2	4	2	3	2	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Yes	2	4	3	3	4	
Promote enhanced anchoring of manufactured homes.	New	1	Yes	2	4	3	3	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Yes	2	4	3	3	3	
Distribute information about the locations of tornado shelters.	New	5	Yes	4	4	4	4	4	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Yes	3	4	2	3	3	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Yes	2	4	4	4	4	
Install power generators in public buildings.	New	2	No						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Yes	3	3	2	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Yes	3	4	3	4	4	

FULTON COUNTY

NAME: Britney Ward / Sharon Morr JURISDICTION: County

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	3	4	3	3	3	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	3	4	4	3	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	4	3	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	4	5	3	4	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	4	4	5	4	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	2	5	4	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	5	5	5	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	5	5	4	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	4	4	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	N						state's responsibility since it's a state park
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	4	5	5	5	5	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	5	5	5	5	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	5	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	3	4	4	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	3	3	3	3	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	3	3	3	3	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	3					
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y						
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y						
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y						
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y						
Assess the feasibility of an early flood warning/notification system.	New	2	Y						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	→	→	→	→	
Complete a commodity flow study for Fulton County.	New	6	Y	3	→	→	→	→	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	3	→	→	→	→	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	5	5	5	5	5	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	3	3	3	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	3	3	3	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	→	→	→	→	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	→	→	→	→	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	→	→	→	→	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	→	→	→	→	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	→	→	→	→	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	→	→	→	→	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	→	→	→	→	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3					
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	3					
Install power generators in public buildings.	New	2	Y	3					
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3					
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5					

	Risk Reduction

FULTON COUNTY

NAME: JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	3	4	3	4	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	3	4	3	4	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	4	4	4	5	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	3	3	4	4	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	4	4	4	4	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	5	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	3	3	3	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	4	5	1	5	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	4	4	5	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	4	4	5	5	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	5	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	3	3	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	5	5	5	4	5	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	4	4	4	4	5	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	5	5	5	5	4	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	5	5	3	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	5	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	5	5	5	5	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	5	5	5	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	5	5	5	5	5	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	5	5	5	5	5	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	5	5	5	5	5	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	5	5	5	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	5	5	5	3	5	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	3	5	5	3	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	2	5	2	2	2	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	5	5	5	5	5	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	5	5	5	5	5	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	5	5	5	5	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	1	3	5	2	1	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	4	4	5	3	5	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	4	3	5	2	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	5	5	
Complete a commodity flow study for Fulton County.	New	6	Y	5	5	5	5	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	5	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	5	5	5	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	5	5	5	5	5	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	3	4	3	2	2	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	4	3	2	2	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	5	5	4	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	3	5	1	2	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	5	5	4	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	3	5	5	4	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	2	3	5	3	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	2	4	4	2	3	
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	5	4	5	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	5	5	4	5	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	5	5	5	5	5	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	5	5	5	5	5	
Install power generators in public buildings.	New	2	Y	5	5	5	5	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	5	5	5	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

FULTON COUNTY

NAME: Ziad Musallam JURISDICTION: Fulton County

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	3	3	2	3	3	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	3	3	3	2	2	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	4	2	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	4	4	4	4	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	4	4	4	4	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	3	3	3	3	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	N/						
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	3	3	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	4	4	4	4	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	3	3	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	4	4	4	4	4	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	4	4	4	4	4	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	3	3	3	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	4	4	4	3	3	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	N						
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	4	4	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	4	4	4	4	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	3	3	3	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	4	4	4	4	4	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	3	3	3	3	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	2	2	2	2	2	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	3	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	4	4	4	4	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	3	3	3	3	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	2	2	2	2	2	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	3	3	3	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	2	2	2	2	2	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	3	3	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	4	4	4	4	4	
Complete a commodity flow study for Fulton County.	New	6	Y	4	4	4	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	3	3	3	3	3	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	4	4	4	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	N						
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N						
Install and maintain surge protection on critical electronic equipment.	New	4	Y	2	2	2	2	2	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	3	3	3	3	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	3	3	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	4	4	4	4	4	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	4	4	4	4	4	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	2	2	2	2	2	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	3	3	3	3	
Promote enhanced anchoring of manufactured homes.	New	1	N						
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N						
Distribute information about the locations of tornado shelters.	New	5	Y	4	4	4	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	4	4	4	4	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	4	4	4	4	
Install power generators in public buildings.	New	2	Y	4	4	4	4	4	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	4	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	4	4	4	4	4	

FULTON COUNTY

NAME: Michael Rupay Building Off. JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	3	3	3	3	3	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	3	4	3	3	3	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	3	3	3	3	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	4	4	4	3	3	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	3	3	3	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	2	3	3	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	4	3	3	2	1	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	4	3	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	3	3	2	2	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	4	4	3	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	6	4	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	4	4	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	3	3	3	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	3	3	3	3	3	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	3	3	3	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	4	3	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	3	3	2	2	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	4	4	3	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	6	4	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	4	4	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	3	3	3	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	3	3	3	3	3	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	3	3	3	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	~~4~~	4	3	3	3	3	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	~~4~~	3	3	3	3	3	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	~~4~~	2	3	3	3	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	~~4~~	3	4	4	2	2	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	~~4~~	2	2	1	1	1	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	~~4~~	3	3	3	3	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	~~4~~	>	3	3	3	3	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	~~4~~	4	4	3	4	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	✓	4	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	✓	5	3	3	3	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	✓	3	3	3	3	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	✓	3	3	3	3	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	✓	2	2	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	✓	2	1	1	2	2	
Assess the feasibility of an early flood warning/notification system.	New	2	✓	3	3	2	2	2	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	✓	1	1	2	2	2	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	✓	2	3	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	✓	3	3	3	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	6	4	2	2	2	
Complete a commodity flow study for Fulton County.	New	6	Y	4	3	3	3	3	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	4	3	4	3	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	4	3	3	3	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	3	3	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	3	3	3	3	2	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	4	2	2	2	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	3	2	2	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	3	2	2	2	1	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	N	—					
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N	—	—				
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	N	—	—				
Require active shooter training exercises in public schools and government facilities.	New	2	N	—	—				
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	4	3	2	2	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	5	4	3	3	3	
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	3	5	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	5	4	3	2	1	
Distribute information about the locations of tornado shelters.	New	5	N	—	—	—	—		

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	N						
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	N						
Install power generators in public buildings.	New	2	N						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	N						
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	4	3	5	3	

MITIGATION ACTIONS SCORING MATRIX

FULTON COUNTY

NAME: Scott Lunsford JURISDICTION: Fulton County

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	4	3	3	4	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	4	3	5	3	3	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	5	4	3	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	4	5	5	3	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	4	5	5	3	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	4	4	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	3	4	3	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	3	Y	4	5	5	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	2	4	3	3	4	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	3	4	4	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	2	3	4	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	3	3	4	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	2	3	2	3	4	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	2	4	3	4	5	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	4	2	4	3	4	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	2	3	4	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	3	4	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	4	3	3	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	5	5	3	3	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	3	3	3	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	4	5	3	3	4	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	1	2	5	3	4	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	4	4	3	3	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	3	5	3	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	4	4	4	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	4	4	4	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	2	3	3	3	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	1	3	3	3	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	1	2	2	3	4	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	4	5	4	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	3	5	4	3	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	3	5	4	3	3	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	3	3	3	3	4	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	4	5	4	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	2	4	4	3	4	
Complete a commodity flow study for Fulton County.	New	6	Y	1	3	2	3	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	4	5	5	5	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	4	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	3	5	3	4	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	4	5	5	3	2	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	4	4	3	3	4	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	4	3	3	4	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	4	5	5	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	5	3	3	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	2	4	5	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	5	2	3	2	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	4	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	1	2	1	3	4	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	1	3	1	3	5	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	3	1	3	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	2	4	2	3	3	
Distribute information about the locations of tornado shelters.	New	5	Y	4	5	5	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	1	3	1	3	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	2	4	1	3	3	
Install power generators in public buildings.	New	2	Y	1	3	1	3	4	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	5	5	3	3	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	4	5	5	3	3	

FULTON COUNTY

NAME: Eric Smola JURISDICTION: Fulton County - Evergreen Schools

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1							
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1							
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	4	5	2	3	2	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2							
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2							
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2							
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3							
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	4	4	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	4	5	3	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5							
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	4	5	5	4	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y						
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4							
Complete inundation maps for Class I, II, and III dams.	New	6							
Encourage all dam owners to create an emergency action plan (EAP).	New	6							
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3							
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5							
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	4	5	5	4	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1							
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2							
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2							
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2							
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3							
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3							

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3							
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4							
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4							
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1							
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1							
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1							
Assess the feasibility of an early flood warning/notification system.	New	2							
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2							
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2							
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2							

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	4	4	
Complete a commodity flow study for Fulton County.	New	6							
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6							
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5							
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6							
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1							
Install and maintain surge protection on critical electronic equipment.	New	4							
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3							
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2							
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1							
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1							
Promote enhanced anchoring of manufactured homes.	New	1							
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4							
Distribute information about the locations of tornado shelters.	New	5							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	2	4	5	5	5	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	2	4	5	5	5	
Install power generators in public buildings.	New	2							
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2							
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5							

#16

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, November 26, 2019 10:36:53 AM
Last Modified:	Tuesday, November 26, 2019 11:00:30 AM
Time Spent:	00:23:36
IP Address:	216.255.24.130

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Andrea Schwiebert**
Jurisdiction/ Organization	**Fulton County Health Department**
Title/Position	**Registered Nurse**
Email Address	**aschwiebert@fultoncountyoh.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
5
Risk Reduction
4

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction
2 (No)

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction
2 (No)

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction
2 (No)

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction
2 (No)

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
2 (No)

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
4

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction
2 (No)

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
2 (No)

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction
2 (No)

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
2 (No)

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
2 (No)

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
2 (No)

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
2 (No)

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
2 (No)

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
2 (No)

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
2 (No)

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
2 (No)

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
2 (No)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
2 (No)

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
2 (No)

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
2 (No)

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction
2 (No)

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
2 (No)

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
2 (No)

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction
2 (No)

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction

2 (No)

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction

2 (No)

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction

2 (No)

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction

2 (No)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction

2 (No)

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction

2 (No)

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction
2 (No)

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
2 (No)

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
2 (No)

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
2 (No)

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
2 (No)

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
2 (No)

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
2 (No)

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
2 (No)

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
2 (No)

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
2 (No)

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
2 (No)

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
2 (No)

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
2 (No)

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction

2 (No)

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction

2 (No)

Page 4: City of Wauseon

Q61 Multiple Hazards Action 1: Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.

Applicable to your jurisdiction

2 (No)

Q62 Multiple Hazards Action 2: Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Applicable to your jurisdiction

2 (No)

Q63 Multiple Hazards Action 3: Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.

Applicable to your jurisdiction

2 (No)

Q64 Multiple Hazards Action 4: Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.

Applicable to your jurisdiction

2 (No)

Q65 Multiple Hazards Action 5: Wauseon will develop, adopt, implement, and enforce zoning regulations.

Applicable to your jurisdiction

2 (No)

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, November 26, 2019 6:42:35 AM
Last Modified:	Tuesday, November 26, 2019 6:52:52 AM
Time Spent:	00:10:16
IP Address:	216.255.24.130

Page 1: Survey Purpose

Q1 Name and Organization

Name	**B.J. Abbott**
Jurisdiction/ Organization	**Fulton County Engineers**
Title/Position	**Highway Superintendent**
Email Address	**babbott@fultoncountyoh.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction

2 (No)

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction

2 (No)

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction

2 (No)

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction

2 (No)

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction

2 (No)

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction

2 (No)

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction

2 (No)

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction

2 (No)

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction

2 (No)

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction

2 (No)

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction

2 (No)

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
2 (No)

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
2 (No)

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
2 (No)

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
2 (No)

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
2 (No)

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
2 (No)

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
2 (No)

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
2 (No)

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
2 (No)

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
2 (No)

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
2 (No)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
2 (No)

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
2 (No)

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
2 (No)

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction
2 (No)

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
2 (No)

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
2 (No)

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction
2 (No)

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction
2 (No)

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction
2 (No)

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction

2 (No)

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction

2 (No)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction

2 (No)

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction

2 (No)

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction

2 (No)

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction

2 (No)

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction

2 (No)

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction

2 (No)

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
2 (No)

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
2 (No)

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
2 (No)

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction
2 (No)

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
2 (No)

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
2 (No)

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
2 (No)

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
2 (No)

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
2 (No)

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
2 (No)

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
2 (No)

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
2 (No)

Page 4: City of Wauseon

Q61 Multiple Hazards Action 1: Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.

Applicable to your jurisdiction
2 (No)

Q62 Multiple Hazards Action 2: Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Applicable to your jurisdiction
2 (No)

Q63 Multiple Hazards Action 3: Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.

Applicable to your jurisdiction
2 (No)

Q64 Multiple Hazards Action 4: Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.

Applicable to your jurisdiction
2 (No)

Q65 Multiple Hazards Action 5: Wauseon will develop, adopt, implement, and enforce zoning regulations.

Applicable to your jurisdiction

2 (No)

Q66 Multiple Hazards Action 6: Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction

2 (No)

Q67 Multiple Hazards Action 7: Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction

2 (No)

Q68 Multiple Hazards Action 8: Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction

2 (No)

Q69 Multiple Hazards Action 9: Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction

2 (No)

Q70 Multiple Hazards Action 10: Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.

Applicable to your jurisdiction

2 (No)

Q71 Multiple Hazards Action 11: Wauseon will prepare public buildings to serve as shelters during potential hazards.

Respondent skipped this question

Q72 Multiple Hazards Action 12: Wauseon will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Respondent skipped this question

#6

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, November 25, 2019 1:48:43 PM
Last Modified:	Monday, November 25, 2019 2:31:47 PM
Time Spent:	00:43:04
IP Address:	174.233.12.49

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Craig Rower**
Jurisdiction/ Organization	**Fulton County Ill%**
Title/Position	**C.E.R.T. Instructor**
Email Address	**g2397@frontier.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Immediate Need
3
Risk Reduction
3

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
3
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
4

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
4
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Page 4: City of Wauseon

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, November 25, 2019 10:16:23 AM
Last Modified:	Monday, November 25, 2019 10:36:50 AM
Time Spent:	00:20:27
IP Address:	216.255.24.130

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Patricia Wiemken**
Jurisdiction/ Organization	**Fulton County Health Department**
Title/Position	**EH Director**
Email Address	**pwiemken@fultoncountyoh.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction

2 (No)

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction

2 (No)

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction

2 (No)

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction

2 (No)

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction

2 (No)

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction

2 (No)

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction

2 (No)

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction

2 (No)

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction

2 (No)

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction

2 (No)

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction

2 (No)

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction

2 (No)

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction

2 (No)

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction

2 (No)

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction

2 (No)

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction

2 (No)

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction

2 (No)

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
2 (No)

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
2 (No)

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
2 (No)

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction

2 (No)

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction

2 (No)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction

2 (No)

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction

2 (No)

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction

2 (No)

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction

2 (No)

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction

2 (No)

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction

2 (No)

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction

2 (No)

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction

2 (No)

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction

2 (No)

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction

2 (No)

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction

2 (No)

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction

2 (No)

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction

2 (No)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction

2 (No)

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
2 (No)

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
2 (No)

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction
2 (No)

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
2 (No)

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
2 (No)

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction

2 (No)

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction

2 (No)

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction

2 (No)

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction

2 (No)

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction

2 (No)

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction

2 (No)

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction

2 (No)

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction

2 (No)

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
2 (No)

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
2 (No)

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
2 (No)

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
2 (No)

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
2 (No)

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
2 (No)

Page 4: City of Wauseon

Q61 Multiple Hazards Action 1: Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.

Respondent skipped this question

Q62 Multiple Hazards Action 2: Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Respondent skipped this question

#19

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, November 25, 2019 11:38:57 AM
Last Modified:	Wednesday, November 27, 2019 4:26:10 PM
Time Spent:	Over a day
IP Address:	107.11.222.7

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Penny Shamy**
Jurisdiction/ Organization	**Fulton County Ohio**
Title/Position	**Ms**
Email Address	**shamypm@yahoo.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
4
Risk Reduction
1 (Yes)

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
4
Risk Reduction
1 (Yes)

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
2 (No)
Risk Reduction
1 (Yes)

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
3
Risk Reduction
1 (Yes)

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
1 (Yes)
Risk Reduction
1 (Yes)

Page 4: City of Wauseon

Q61 Multiple Hazards Action 1: Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.

Applicable to your jurisdiction

2 (No)

Q62 Multiple Hazards Action 2: Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Respondent skipped this question

Q63 Multiple Hazards Action 3: Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.

Respondent skipped this question

Q64 Multiple Hazards Action 4: Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.

Respondent skipped this question

Q65 Multiple Hazards Action 5: Wauseon will develop, adopt, implement, and enforce zoning regulations.

Respondent skipped this question

Q66 Multiple Hazards Action 6: Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Respondent skipped this question

Q67 Multiple Hazards Action 7: Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Respondent skipped this question

Q68 Multiple Hazards Action 8: Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Respondent skipped this question

Q69 Multiple Hazards Action 9: Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.

Respondent skipped this question

Q70 Multiple Hazards Action 10: Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.

Respondent skipped this question

#8

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, November 25, 2019 12:30:32 PM
Last Modified:	Monday, November 25, 2019 3:09:53 PM
Time Spent:	02:39:20
IP Address:	216.255.24.130

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Rachel Kinsman**
Jurisdiction/ Organization	**Fulton County Safe Communities**
Title/Position	**Grant Coordinator**
Email Address	**rkinsman@fultoncountyoh.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Fulton County**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
3

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
4
Immediate Need
4
Risk Reduction
2 (No)

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
4
Immediate Need
3
Risk Reduction
3

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
3
Risk Reduction
4

Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
3

Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
3

Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
3

Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
2 (No)
Risk Reduction
3

Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
3
Risk Reduction
4

Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
2 (No)
Risk Reduction
3

Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
4
Immediate Need
2 (No)
Risk Reduction
3

Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
3
Immediate Need
3
Risk Reduction
4

Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
4

Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
4
Immediate Need
2 (No)
Risk Reduction
3

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
4

Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
4
Immediate Need
2 (No)
Risk Reduction
4

Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
3
Immediate Need
3
Risk Reduction
4

Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
4
Immediate Need
5
Risk Reduction
4

Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
3
Immediate Need
3
Risk Reduction
4

Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
3

Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
3
Immediate Need
2 (No)
Risk Reduction
3

Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
4
Immediate Need
4
Risk Reduction
1 (Yes)

Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
4
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q59 Utility Failure Action 4: Fulton County will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q60 Utility Failure Action 5: Fulton County will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
4
Immediate Need
4
Risk Reduction
4

Page 4: City of Wauseon

Appendix F: Meeting Documentation

City of Wauseon Surveys

Name & Organization: Brittany Roof - Wawcon Fire Dept.

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	2
13. Utility Failure	3
14. Wildfire	4

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Name & Organization: Brittany Roof - Wauseon Fire Dept.

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

protect & maintain

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

CITY OF WAUSEON

NAME: Brittany Wolf POSITION: Exec Asst Fire Chief

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Public Works Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 100%	
1.2 Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Code Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.6. Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Public Works Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.1 Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.2 Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Public Works Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.2 Wauseon will control development in floodplains by enforcing flood-proofing standards.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

FULTON COUNTY

NAME: Brittany Root POSITION: resident

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	Becky doing great job.
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	Becky doing a great job
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	not happening-
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	naming changed.
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	good job
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	good.
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	naming changed.
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	not happening
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	not happening

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	need to revaluate
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	good

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	good
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	good

Name & Organization: Troy Armstrong Wauseon Exempted Village School District

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

4

Name & Organization: Wauseon ~~Schools~~ Exempted Village School District

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	4
3. Earthquakes	1
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	3
7. Windstorms	4
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	3
14. Wildfire	3 2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?* Erosion
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Active shooter (active aggressor

FULTON COUNTY

NAME: POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

CITY OF WAUSEON

NAME: Keith Torbet POSITION: Director of Public Service

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Public Works Administrator	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	EMERGENCY line plan worked 2019
1.2 Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Code Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	Adopted Ohio Building Code into Wauseon Municipal Code
1.3 Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: ?	
1.4 Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 25%	S. Shoop Rd is Future work in the Plans for 2021 Neighborhood Scale 2023
1.6. Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Public Works Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	Limited Access To the Project

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.1 Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Code Administrator	7/1/15-6/30/18	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Continuous w/ Wauseon Co for Permits & Inspections
2.2 Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Code Administrator	7/1/15-6/30/18	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	↑ Also Do Zoning Enforcement Locally
2.3 Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Public Works Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 50	Expanding Existing Storm Water Detention Pond
3.1 Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.2 Wauseon will control development in floodplains by enforcing flood-proofing standards.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	MPO Multi-J Recommendations on the back
3.3 Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 10	
4.4 Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Public Works Director	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Booth Detention Pond Built 4 Pond the years
4.5 Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Inspected and 2019
5.2 Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Working w/ MVPD on This

Name & Organization: Keith Torbert, City of Woodstock

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	3
5. Thunderstorms	4
6. Tornadoes	3
7. Windstorms	4
8. Winter Storms	4
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	3
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Keith Tarbet City of Watseka

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Funding For Stormwater Rebuilds of Lines & Basins

Name & Organization: Chief Kevin Chittenden - Wauseon Police

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Kevin Chittenden - Wauseon Police

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	1
5. Thunderstorms	3
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	1
13. Utility Failure	2
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

CITY OF WAUSEON

NAME: Kevin Chittenden POSITION: Chief of Police

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Public Works Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Code Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.6. Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Public Works Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.1 Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.2 Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Public Works Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.2 Wauseon will control development in floodplains by enforcing flood-proofing standards.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#4

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 7:57:56 AM
Last Modified:	Friday, October 18, 2019 8:04:55 AM
Time Spent:	00:06:58
IP Address:	98.100.255.178

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Rick Sluder**
Organization/Agency	**Wauseon Fire Department**
Title/Position	**Fire Chief**
Email Address	**rsluder@cityofwauseon.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	How would you modify this goal, if needed?: You need to look at County-wide adoption of residential building code and inspection enforcement to accomplish this.
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	How would you modify this goal, if needed?: Should include the importance of educating local entity government leaders on how this works. Because most will not care and not understand.

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Medium-High Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Government leaders need educated on what mitigation even means.

#18

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, October 21, 2019 7:43:06 AM
Last Modified:	Monday, October 21, 2019 8:32:44 AM
Time Spent:	00:49:38
IP Address:	74.219.241.110

Page 1: Survey Instructions

Q1 Name and Organization

Name	**John Arps**
Organization/Agency	**city of wauseon**
Title/Position	**Superintendent**
Email Address	**john.arps@cityofwauseon.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan	**Respondent skipped this question**
Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

CITY OF WAUSEON

NAME: Angel Matthews JURISDICTION: Wauseon / Cruise Night Coordinator

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Previous	1	yes	5	5	5	4	5	
Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Previous	1	yes	5	5	5	4	5	
Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Previous	1	Y	4	3	5	3	5	
Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Previous	2	Y	4	4	5	3	5	
Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Previous	2	Y	4	4	4	3	4	
Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	4	4	3	3	
Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	3	3	3	3	
Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	3	3	4	
Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Previous	5	Y	5	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	2	3	3	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	2	3	3	3	3	
Dam Failure									
Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Previous	4	Y	3	3	3	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	3	3	3	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	3	3	3	3	3	
Drought/Extreme Heat									
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	4	3	4	3	3	
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	3	3	5	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	2	3	3	3	3	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	3	3	3	3	
Flooding									
Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Previous	1	Y	3	3	3	3	3	
Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Previous	1	Y	3	3	3	3	3	
Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Previous	2	Y	3	3	3	3	3	
Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	3	3	3	3	3	
Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Wauseon will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	3	3	3	3	
Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Previous	4	Y	3	3	3	3	3	
Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Previous	4	Y	3	3	3	3	3	
Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Previous	4	Y	3	3	3	3	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	3	3	3	3	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	3	3	3	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	3	3	3	3	3	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	3	3	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	3	3	3	3	3	
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	3	3	3	3	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	3	3	3	3	3	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	3	3	3	3	3	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	3	3	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	3	3	3	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	3	3	3	3	3	
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	3	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	3	3	5	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	3	3	3	3	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	3	3	3	3	3	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	3	3	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	3	3	3	3	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	3	3	3	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	3	3	3	3	
Distribute information about the locations of tornado shelters.	New	5	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3	3	3	3	4	
Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Previous	4	Y	3	3	3	3	4	
Install power generators in public buildings.	New	2	Y	3	3	3	3	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	3	3	3	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	3	3	3	3	5	

CITY OF WAUSEON

NAME: Brittany Root JURISDICTION: Wauseon Fire Dept.

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Previous	1	Y	5	5	5	5	3	
Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Previous	1	Y	4	4	4	3	3	Every one has own opinion on preventive actions
Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Previous	1	N						(leave to what is insurance) Right/wrong
Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Previous	2	Y	2	3	3	4	3	
Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Previous	2	Y	3	3	3	4	4	
Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	3	3	2	1	
Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	2	2	3	2	3	
Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	2	2	3	2	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	3	3	3	3	3	
Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Previous	5	Y	3	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	2	3	3	4	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	2	4	4	4	4	
Dam Failure									
Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Previous	4	Y	2	3	4	3	2	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	2	3	3	3	2	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	2	3	4	3	3	
Drought/Extreme Heat									
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	2	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	4	4	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	2	3	3	3	3	
Flooding									
Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Previous	1	Y	2	3	3	3	3	
Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Previous	1	Y	2	3	3	4	4	
Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Previous	2	Y	2	3	3	4	4	
Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	N						
Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	3	4	4	5	4	
Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	4	4	3	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Wauseon will control development in floodplains by enforcing flood-proofing standards.	Previous	3	n						
Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Previous	4	Y	1	5	5	5	5	
Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Previous	4	n						
Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Previous	4	n						
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	n						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	2	3	3	4	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	n						
Assess the feasibility of an early flood warning/notification system.	New	2	Y	4	4	4	4	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	n						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	4	4	3	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	4	4	3	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	4	4	3	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	~~N~~						Unknown
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	~~Y~~						I don't know
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	N						
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	3	3	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	4	4	4	4	4	
Promote enhanced anchoring of manufactured homes.	New	1	Y	4	4	4	4	4	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	1	3	3	4	3	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3	3	3	3	3	
Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Previous	4	Y	2	2	3	2	5	
Install power generators in public buildings.	New	2	Y	2	3	3	3	3	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	2	2	2	2	2	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	4	4	4	4	4	

#17

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, November 25, 2019 10:26:57 AM
Last Modified:	Tuesday, November 26, 2019 12:13:47 PM
Time Spent:	Over a day
IP Address:	98.100.255.178

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Keith C Torbet**
Jurisdiction/ Organization	**City of Wauseon**
Title/Position	**Director of Public Service**
Email Address	**keith.torbet@cityofwauseon.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **City of Wauseon**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions. **Respondent skipped this question**

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place. **Respondent skipped this question**

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County. **Respondent skipped this question**

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters. **Respondent skipped this question**

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Q63 Multiple Hazards Action 3: Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q64 Multiple Hazards Action 4: Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q65 Multiple Hazards Action 5: Wauseon will develop, adopt, implement, and enforce zoning regulations.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q66 Multiple Hazards Action 6: Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q67 Multiple Hazards Action 7: Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q68 Multiple Hazards Action 8: Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
3
Immediate Need
4
Risk Reduction
3

Q69 Multiple Hazards Action 9: Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q70 Multiple Hazards Action 10: Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
3
Environmentally Sound
3
Immediate Need
3
Risk Reduction
2 (No)

Q71 Multiple Hazards Action 11: Wauseon will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
3
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q72 Multiple Hazards Action 12: Wauseon will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q73 Dam Failure Action 1: Wauseon will repair and maintain, or advocate for such when not owned/controlled by the city, any dams, dikes, and floodwalls in the city.

Applicable to your jurisdiction
2 (No)

Q74 Dam Failure Action 2: Wauseon will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q75 Dam Failure Action 3: Wauseon will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
2 (No)

Q76 Drought/Extreme Heat Action 1: Wauseon will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Respondent skipped this question

Q77 Drought/Extreme Heat Action 2: Wauseon will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
2 (No)

Q78 Drought/Extreme Heat Action 3: Wauseon will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q79 Epidemic Action 1: Wauseon will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
3
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Q80 Flooding Action 1: Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q81 Flooding Action 2: Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.

Applicable to your jurisdiction
2 (No)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
5
Risk Reduction
5

Q82 Flooding Action 3: Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
2 (No)

Q83 Flooding Action 4: Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
2 (No)

Q84 Flooding Action 5: Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
3

Q85 Flooding Action 6: Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
2 (No)

Q86 Flooding Action 7: Wauseon will control development in floodplains by enforcing flood-proofing standards.

Applicable to your jurisdiction
2 (No)

Q87 Flooding Action 8: Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q88 Flooding Action 9: Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
3

Q89 Flooding Action 10: Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q90 Flooding Action 11: Wauseon will acquire, retrofit, elevate, or relocate flood prone structures throughout the City.

Applicable to your jurisdiction
2 (No)
Cost Effective
4
Technically Feasible
3
Environmentally Sound
3
Immediate Need
5
Risk Reduction
5

Q91 Flooding Action 12: Wauseon will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction

2 (No)

Q92 Flooding Action 13: Wauseon will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction

2 (No)

Q93 Flooding Action 14: Wauseon will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction

2 (No)

Q94 Flooding Action 15: Wauseon will continue to acquire structures in identified repetitive loss areas throughout the city.

Applicable to your jurisdiction

2 (No)

Q95 Flooding Action 16: Wauseon will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction

2 (No)

Q96 Flooding Action 17: Wauseon will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction

2 (No)

Q97 Hazardous Materials Action 1: Wauseon will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q98 Hazardous Materials Action 2: Wauseon will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
3

Q99 Hazardous Materials Action 3: Wauseon will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q100 Invasive Species Action 1: Wauseon will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q101 Landslide, Erosion, and Mine Subsidence Action 1: Wauseon will identify and map erosion hazard areas.

Applicable to your jurisdiction
2 (No)

Q102 Severe Summer Storms Action 1: Wauseon will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q103 Severe Summer Storms Action 2: Wauseon will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q104 Severe Summer Storms Action 3: Wauseon will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
4

Q105 Severe Winter Weather Action 1: Wauseon will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
5
Risk Reduction
3

Q106 Severe Winter Weather Action 2: Wauseon will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
2 (No)

Q107 Terrorism Action 1: Wauseon will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
4
Immediate Need
4
Risk Reduction
3

Q108 Terrorism Action 2: Wauseon will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
1 (Yes)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q109 Tornadoes/Windstorms Action 1: Wauseon will construct community safe rooms.

Applicable to your jurisdiction
2 (No)

Q110 Tornadoes/Windstorms Action 2: Wauseon will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
3
Environmentally Sound
2 (No)
Immediate Need
4
Risk Reduction
3

Q111 Tornadoes/Windstorms Action 3: Wauseon will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q112 Tornadoes/Windstorms Action 4: Wauseon will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q113 Tornadoes/Windstorms Action 5: Wauseon will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
3
Risk Reduction
3

Q114 Utility Failure Action 1: Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Q115 Utility Failure Action 2: Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q116 Utility Failure Action 3: Wauseon will install power generators in public buildings.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
1 (Yes)
Environmentally Sound
2 (No)
Immediate Need
5
Risk Reduction
5

Q117 Utility Failure Action 4: Wauseon will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
1 (Yes)
Technically Feasible
1 (Yes)
Environmentally Sound
1 (Yes)
Immediate Need
4
Risk Reduction
4

Q118 Utility Failure Action 5: Wauseon will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Page 5: Village of Archbold

Q442 Utility Failure Action 5: Swanton will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Respondent skipped this question

Page 11: Survey Complete!

Q443 General Comments

In regards to the flood plain for Wauseon, upon checking the maps I found that the only areas in a flood plain within the city are currently owned by the city therefore this section is not applicable.

Appendix F: Meeting Documentation

Village of Archbold Surveys

Name & Organization: Donna Dettling, Administrator AFEC HBJ-D

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	4
2. Drought/Extreme Heat	3
3. Earthquakes	2
4. Floods	5
5. Thunderstorms	3
6. Tornadoes	3
7. Windstorms	2
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5 Rail Road, Industrial Sites, Chlorine Spills at Water Plant
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	2
12. Terrorism	5
13. Utility Failure	5
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

VILLAGE OF ARCHBOLD

NAME: Donna Dettling POSITION: Administrator

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Archbold will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Archbold will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	Planning/ Zoning Inspector	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Archbold will develop, adopt, implement, and enforce zoning regulations	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Archbold will control new development inside established floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Archbold will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Archbold will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Archbold will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Archbold will control development in floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Archbold will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Davis Davis Archbold Fire Department

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☒ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☒ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☒ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☒ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☒ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Upgrade in our Communication Limitations

Name & Organization: CHIEF DAVID DAVIS - ARCHBOLD FIRE DEPARTMENT

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	3
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	0
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	2
13. Utility Failure	3
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 3

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

VILLAGE OF ARCHBOLD

NAME: David Davis **POSITION:** Archbold FD

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Archbold will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Archbold will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	Planning/ Zoning Inspector	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Archbold will develop, adopt, implement, and enforce zoning regulations	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Archbold will control new development inside established floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Archbold will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Archbold will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Archbold will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Archbold will control development in floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Archbold will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Uncharged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Les Wilson III – Village of Archbold

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

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☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Le Wixom II - Village of Archbold

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	1
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	4
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

VILLAGE OF ARCHBOLD

NAME: [illegible] POSITION: Chief of Police

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Archbold will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Archbold will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	Planning/ Zoning Inspector	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#21

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 10:31:57 AM
Last Modified: Monday, October 21, 2019 10:38:53 AM
Time Spent: 00:06:56
IP Address: 209.143.3.203

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Mike Short**
Organization/Agency	**Archbold Wastewater**
Title/Position	**Superintendent**
Email Address	**mshort@archbold.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**N/A**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**N/A**
Terrorism	**Highest Priority**
Utility Failure	**Highest Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

FULTON COUNTY

NAME: Ralph Sweat JURISDICTION: Alpharetta - Sandy Springs

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	2	5	1	1	INDIVIDUALS MAY NOT KNOW HOW TO PROTECT THEIR PROPERTY WITH PREV. MEASURES
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	1	2	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	2	5	5	5	5	VERY IMPORTANT
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	2	5	5	5	5	↑
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	2	5	5	5	5	↑
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	3	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	5	5	5	5	5	OTHER NON-ENVIRON. BENEFITS
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	2	3	5	4	5	COULD HELP INDIVIDUALS BUT BE EXPENSIVE

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	1	5	5	5	5	PEOPLE RELY ON THESE SYSTEMS AND IS NEEDED BADLY
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	2	5	5	5	5	THIS GOES W/ ZONING ON ALL
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	1	2	2	4	4	I'M NOT SURE WHAT INFRASTRUCTURE IS AVAIL.
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	1	5	5	5	5	THIS WOULD BE GREAT
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	1	5	5	4	5	LOTS OF OLD DAMS IN DISREPAIR
Complete inundation maps for Class I, II, and III dams.	New	6	Y	1	5	5	5	4	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	1	2	5	5	5	NOT SURE IF THEY WOULD. INCENTIVES?
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	2	5	5	5	5	THIS HAS MANY OTHER BENEFITS TOO.
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	2	5	5	5	5	THIS COULD BE HANDLED BY PARKS DEPTS, SMALLER TOWNSHIPS MAY NOT COMPLY

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	1	2	5	5	5	GREAT IDEA
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	3	?	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	1	5	5	4	5	USE GIS DATA
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	4	5	5	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	1	1	5	4	5	STILL EXPENSIVE
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	5	4	5	5	5	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	4	5	5	5	5	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	3	5	4	5	ZONING/PLANNING

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	2	5	5	4	4	GIS
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	3	5	5	5	5	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	1	2	5	4	4	I'm NOT SURE HOW MANY AREAS REPEATEDLY FLOOD
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	1	1	1	2	5	IS NOT NECESSARILY ENV. SOUND IF INVOLVES NEW DEVEL.
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	1	5	5	5	5	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	4	5	5	5	5	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	1	5	5	4	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	1	2	5	5	5	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	?						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	2	5	5	5	5	GIS

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	1	5	5	2	5	
Complete a commodity flow study for Fulton County.	New	6	Y	1	2	4	1	1	NOT SURE HOW USEFUL
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	1	5	5	4	5	ALL LQG'S REPORT BIENNIALLY THROUGH GEPA.
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	4	5	5	5	5	DEPENDS ON MATERIAL - VARIES
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	2	5	5	5	5	THIS WOULD HELP W/ JAPANESE HONEYSUCKLE
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	2	5	5	5	5	FAIRLY EASY TO MAP - SLOPE, SOIL TYPE
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	1	2	3	3	5	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	1	5	5	5	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	4	5	5	3	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound (N' SALT ↑ 2 ↑ SALTED)	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	1	5	5 2	5	5	ALTERN. FOR SALT?
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	1	5	5	5	5	HELPS OTHER MATTERS
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	5	5	5	5	5	COULD HELP
Require active shooter training exercises in public schools and government facilities.	New	2	Y	2	2	\	5	2	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	1	5	5	1	2	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	5	5	5	1	2	
Promote enhanced anchoring of manufactured homes.	New	1	Y	2	5	5	5	4	HOW COSTLY?
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	1	5	5	4	5	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3	4	5	5	5	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	2	5	5	5	5	
Install power generators in public buildings.	New	2	Y	1	5	3	5	5	NEEDED BUT USE GMC
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	5	5	5	5	5	V. USEFUL
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

VILLAGE OF ARCHBOLD

NAME: Leo Wixom III JURISDICTION: Police

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Archbold will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Previous	1	Yes	3	2	4	3	3	
Archbold will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Yes	3	3	4	3	3	
Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	Previous	1	Yes	3	3	4	4	3	
Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Previous	2	Yes	3	3	3	3	3	
Archbold will develop, adopt, implement, and enforce zoning regulations	Previous	2	Yes	3	3	4	3	3	
Archbold will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Yes	3	3	4	4	3	
Archbold will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Yes	3	3	3	3	3	
Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Yes	2	2	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Yes	3	3	4	3	4	
Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	Previous	5	Yes	3	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Yes	3	4	4	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Yes	3	3	3	3	3	
Dam Failure									
Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Previous	4	No	2	2	3	1	1	
Complete inundation maps for Class I, II, and III dams.	New	6	No	3	3	3	1	1	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	No	3	3	3	1	1	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Yes	3	3	4	3	1	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Yes	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Yes	3	3	4	2	2	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	No	3	3	3	2	2	
Flooding									
Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Previous	1	Yes	3	3	4	4	3	
Archbold will control new development inside established floodplains by enforcing flood-proofing standards.	Previous	2	Yes	3	3	4	4	3	
Archbold will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention	Previous	2	Yes	3	3	4	4	3	
Archbold will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Yes	3	3	4	4	3	
Archbold will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Yes	3	3	4	4	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Previous	4	Yes	3	3	4	4	3	
Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Previous	4	Yes	3	3	4	4	3	
Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Previous	4	Yes	3	3	4	4	3	
Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Previous	4	Yes	3	3	4	4	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	No	3	4	2	2	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Yes	3	3	4	4	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Yes	3	3	4	4	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Yes	3	3	4	4	3	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	No	3	4	2	2	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Yes	3	3	4	4	4	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Yes	3	3	4	4	4	
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Yes	3	3	3	3	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Yes	3	3	4	4	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Yes	3	4	3	4	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Yes	3	3	5	4	4	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Yes	3	3	5	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	No	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Yes	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Yes	3	3	4	3	3	
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Yes	3	3	4	3	3	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Yes	3	3	4	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Yes	4	5	2	5	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Yes	3	5	2	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Yes	4	4	2	3	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Yes	3	3	2	3	4	
Promote enhanced anchoring of manufactured homes.	New	1	Yes	3	3	2	3	4	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Yes	3	3	2	3	3	
Distribute information about the locations of tornado shelters.	New	5	Yes	3	3	2	3	4	

Fulton County

Additional Mit

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Yes	3	3	2	3	4	
Install power generators in public buildings.	New	2	Yes	3	3	3	3	4	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Yes	3	3	2	3	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Yes	3	3	2	3	4	

#18

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, November 26, 2019 3:13:03 PM
Last Modified:	Tuesday, November 26, 2019 3:13:32 PM
Time Spent:	00:00:29
IP Address:	208.108.127.249

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Jayson Selgo**
Jurisdiction/ Organization	**Archbold Area Schools**
Title/Position	**Supt**
Email Address	**jselgo@archboldschools.org**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? **Village of Archbold**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions. **Respondent skipped this question**

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place. **Respondent skipped this question**

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County. **Respondent skipped this question**

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters. **Respondent skipped this question**

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Appendix F: Meeting Documentation

Village of Delta Surveys

Name & Organization: Richard A. McKibben, Village of Delta Planning Comm.

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Richard A. McKibben, Village of Delta Planning Comm.

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	2
3. Earthquakes	1
4. Floods	3
5. Thunderstorms	5
6. Tornadoes	4
7. Windstorms	5
8. Winter Storms	4
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	2
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	3
12. Terrorism	2
13. Utility Failure	5
14. Wildfire	4

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

VILLAGE OF DELTA

NAME: Richard A. McKibben POSITION: Vilage of Delta Planning Commission

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Delta will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Utility corridor plan approved by Vil. Council
1.2 Delta will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Properties are being reviewed, inspected, codes enforced upon inspection
1.3 Delta will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	unsure - commonly matter of individual choice
1.4 Delta will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	residents are able to contact the Village re: assistance
1.5 Delta will work to prevent flood damage to property in low-lying areas where runoff water collects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	residents know that the Village can provide recommendations
2.1 Delta will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	same as directly above

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Delta will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15 6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Planning Comm. and Zoning Comm. report/ recommend to Village Council
2.3 Delta will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Village ofcs. available
2.4 Delta will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
2.5 Delta will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Village Administrator	7/1/15 6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
3.1 Delta will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
3.2 Delta will control development in floodplains by enforcing floodproofing standards.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
3.3 Delta will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.4 Delta will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Village has copies of F.P. maps -
4.1 Delta will repair and maintain, or advocate for such when not owned/controlled by the village, any dams, dikes, and floodwalls in the county.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
4.2 Delta will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Planning Comm.& Village Council action has been taken.
4.3 Delta will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	November constr. on two streets
4.4 Delta will advocate, support, and install retention and detention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see other floodplain comments
4.5 Delta will advocate, support, and install retention/detention ponds in new development to mitigate development-caused flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see other comments re: floodpl. & retention
4.6 Delta will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Delta will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Village Adm. & Council review
5.2 Delta will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	see above
5.3 Delta will work to require full disclosure of disaster vulnerability data on real estate during transfer or sale activities.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: unsure	Village ofcs, always available for info.

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Countywide response teams for:
Hazardous Materials Release
Technical Rescue response
- structural collapse
- Trench & confined space rescue
- High angle, elevated rescue

FULTON COUNTY

NAME: Scott Smith POSITION: Delta Fire

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	UNKNOWN
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: UNKNOWN	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	UNKNOWN

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	UNKNOWN
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Delta Fire / Scott Smith

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	4
3. Earthquakes	0
4. Floods	3
5. Thunderstorms	4
6. Tornadoes	5
7. Windstorms	4
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	4
13. Utility Failure	2
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

- Industrial Fire/Explosion - 4
- Train Derailment in a populated area - 4
- widespread disease outbreak - 4
- data breech/"hack" of gov. - 4

Name & Organization: Scott Smith Delta Fire

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☒ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☒ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☒ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☒ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☒ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

#24

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 11:33:51 PM
Last Modified: Monday, October 21, 2019 11:36:41 PM
Time Spent: 00:02:50
IP Address: 70.60.68.34

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Nathan Hartsock**
Organization/Agency	**Delta Police Department**
Title/Position	**Chief of Police**
Email Address	**Police@villageofdelta.org**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Thunderstorms	**Low-Medium Priority**
Tornadoes	**Highest Priority**
Windstorms	**Low-Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Highest Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

MITIGATION ACTIONS SCORING MATRIX

Village of Delta ~~FULTON COUNTY~~

NAME: Scott Smith JURISDICTION: York Township / Delta Fire Dept.

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	4	4	4	3	4	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	2	3	3	4	4	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	2	4	4	4	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	4	4	5	3	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	2	4	4	4	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	4	3	4	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	5	5	5	5	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	4	5	3	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	4	5	3	5	4	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	3	5	3	4	4	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	2	4	3	5	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	2	4	3	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	3	3	5	4	4	
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	N						
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	1	4	3	3	3	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	N						
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	N						
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	2	4	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	N						
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	2	3	4	4	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	2	4	4	3	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	4	5	5	5	4	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	4	4	4	4	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	4	4	4	4	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	N						
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	N						
Assess the feasibility of an early flood warning/notification system.	New	2	N						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	4	5	4	5	5	
Complete a commodity flow study for Fulton County.	New	6	Y	3	4	4	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	3	5	4	4	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	3	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	4	4	4	4	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N						
Install and maintain surge protection on critical electronic equipment.	New	4	Y	4	5	3	4	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	3	5	3	5	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	4	3	5	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	4	3	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	N						
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	3	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	N						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	N						
Promote enhanced anchoring of manufactured homes.	New	1	N						
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N						
Distribute information about the locations of tornado shelters.	New	5	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	4	4	3	4	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	4	4	4	4	
Install power generators in public buildings.	New	2	Y	4	4	3	4	4	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	3	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	4	4	3	4	4	

#23

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Sunday, January 05, 2020 5:10:04 PM
Last Modified:	Sunday, January 05, 2020 6:20:57 PM
Time Spent:	01:10:53
IP Address:	71.28.48.185

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Richard McKibben**
Jurisdiction/ Organization	**Village of Delta Planning Commission**
Title/Position	**Vice- Chair**
Email Address	**rahfmckibben@windstream.net**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? — **Village of Delta**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions. — **Respondent skipped this question**

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place. — **Respondent skipped this question**

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County. — **Respondent skipped this question**

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters. — **Respondent skipped this question**

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Q171 Utility Failure Action 1: Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Respondent skipped this question

Q172 Utility Failure Action 2: Archbold will install power generators in public buildings.

Respondent skipped this question

Q173 Utility Failure Action 3: Archbold will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Respondent skipped this question

Q174 Utility Failure Action 4: Archbold will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Respondent skipped this question

Page 6: Village of Delta

Q175 Multiple Hazards Action 1: Delta will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q176 Multiple Hazards Action 2: Delta will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q177 Multiple Hazards Action 3: Delta will identify and search out methods to assist individual property owners to implement individual protective actions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q178 Multiple Hazards Action 4: Delta will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q179 Multiple Hazards Action 5: Delta will develop, adopt, implement, and enforce zoning regulations.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q180 Multiple Hazards Action 6: Delta will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q181 Multiple Hazards Action 7: Delta will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q182 Multiple Hazards Action 8: Delta will engage in public information and outreach projects that help residents know what to do in an emergency.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q183 Multiple Hazards Action 9: Delta will work to require full disclosure of disaster vulnerability data on real estate during transfer or sale activities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q184 Multiple Hazards Action 10: Delta will prepare public buildings to serve as shelters during potential hazards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q185 Multiple Hazards Action 11: Delta will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q186 Dam Failure Action 1: Delta will repair and maintain, or advocate for such when not owned/controlled by the village, any dams, dikes, and floodwalls in the village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q187 Dam Failure Action 2: Delta will complete inundation maps for Class I, II, and III dams.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
5

Q188 Dam Failure Action 3: Delta will encourage all dam owners to create an emergency action plan (EAP).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q189 Drought/Extreme Heat Action 1: Delta will increase tree plantings, especially near impervious surfaces such as parking lots.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q190 Drought/Extreme Heat Action 2: Delta will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q191 Drought/Extreme Heat Action 3: Delta will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q192 Epidemic Action 1: Delta will evaluate public health emergency preparedness capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q193 Flooding Action 1: Delta will work to prevent flood damage to property in low-lying areas where runoff water collects.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q194 Flooding Action 2: Delta will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q195 Flooding Action 3: Delta will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q196 Flooding Action 4: Delta will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q197 Flooding Action 5: Delta will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q198 Flooding Action 6: Delta will control development in floodplains by enforcing floodproofing standards.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q199 Flooding Action 7: Delta will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q200 Flooding Action 8: Delta will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q201 Flooding Action 9: Delta will advocate, support, and install retention and detention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q202 Flooding Action 10: Delta will advocate, support, and install retention/detention ponds in new development to mitigate development-caused flash flooding.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q203 Flooding Action 11: Delta will acquire, retrofit, elevate, or relocate flood prone structures throughout the Village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q204 Flooding Action 12: Delta will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q205 Flooding Action 13: Delta will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
4
Immediate Need
3
Risk Reduction
4

Q206 Flooding Action 14: Delta will assess the feasibility of an early flood warning/notification system.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q207 Flooding Action 15: Delta will continue to acquire structures in identified repetitive loss areas throughout the Village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
2 (No)
Risk Reduction
4

Q208 Flooding Action 16: Delta will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q209 Flooding Action 17: Delta will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q210 Hazardous Materials Action 1: Delta will update existing alarm systems to warn about hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q211 Hazardous Materials Action 2: Delta will maintain an inventory of hazardous waste generators and storage facilities in GIS.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q212 Hazardous Materials Action 3: Delta will prepare an emergency response plan for hazardous materials spills.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q213 Invasive Species Action 1: Delta will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q214 Landslide, Erosion, and Mine Subsidence Action 1: Delta will identify and map erosion hazard areas.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
3
Risk Reduction
4

Q215 Severe Summer Storms Action 1: Delta will require structures on temporary foundations to be anchored to permanent foundations.

Applicable to your jurisdiction
2 (No)
Cost Effective
2 (No)
Technically Feasible
2 (No)
Environmentally Sound
2 (No)
Immediate Need
2 (No)
Risk Reduction
2 (No)

Q216 Severe Summer Storms Action 2: Delta will install and maintain surge protection on critical electronic equipment.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q217 Severe Summer Storms Action 3: Delta will provide educational materials to school children about the safety procedures during severe summer storms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q218 Severe Winter Weather Action 1: Delta will plan for and maintain adequate road and debris clearing capabilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
5
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q219 Severe Winter Weather Action 2: Delta will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q220 Terrorism Action 1: Delta will install bollards to block roadways during public events, such as festivals and parades.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
3
Immediate Need
3
Risk Reduction
3

Q221 Terrorism Action 2: Delta will require active shooter training exercises in public schools and government facilities.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q222 Tornadoes/Windstorms Action 1: Delta will construct community safe rooms.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
3
Immediate Need
4
Risk Reduction
4

Q223 Tornadoes/Windstorms Action 2: Delta will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q224 Tornadoes/Windstorms Action 3: Delta will promote enhanced anchoring of manufactured homes.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q225 Tornadoes/Windstorms Action 4: Delta will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q226 Tornadoes/Windstorms Action 5: Delta will distribute information about the locations of tornado shelters.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
4
Risk Reduction
5

Q227 Utility Failure Action 1: Delta will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q228 Utility Failure Action 2: Delta will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
5
Immediate Need
4
Risk Reduction
4

Q229 Utility Failure Action 3: Delta will install power generators in public buildings.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
3
Technically Feasible
4
Environmentally Sound
5
Immediate Need
5
Risk Reduction
5

Q230 Utility Failure Action 4: Delta will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
4
Environmentally Sound
5
Immediate Need
5
Risk Reduction
4

Q231 Utility Failure Action 5: Delta will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.

Applicable to your jurisdiction
1 (Yes)
Cost Effective
4
Technically Feasible
5
Environmentally Sound
5
Immediate Need
5
Risk Reduction
4

Page 7: Village of Fayette

Q232 Multiple Hazards Action 1: Fayette will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.

Respondent skipped this question

Q233 Multiple Hazards Action 2: Fayette will encourage property owners to protect their properties against loss from disasters through individual preventive actions.

Respondent skipped this question

Q234 Multiple Hazards Action 3: Fayette will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Respondent skipped this question

Q443 General Comments

Thank you!

Appendix F: Meeting Documentation

Village of Fayette Surveys

Name & Organization: Jason Simon Fayette Police JEMA

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	2
3. Earthquakes	4
4. Floods	2
5. Thunderstorms	2
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	2
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	4
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	3
13. Utility Failure	4
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Name & Organization: Jason Sisson Fayette Police / Emd Board

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☒ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☒ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☒ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☒ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☒ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

FULTON COUNTY

NAME: Jason Smith POSITION: Fayette Police EMA

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: working	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ ~~Completed~~ ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ ~~Unchanged~~ ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Lynne Biddix, Village of Fayette

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

We are always looking for grant funds for infrastructure improvements. We need a new generator at our water plant and electric upgrades at our well house / lagoon area.

Name & Organization: Village of Fayette, Genna Biddix

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure (Wastewater - Lagoon System)	3 or 4
2. Drought/Extreme Heat (Well System, Lower Aquifer)	2
3. Earthquakes	1
4. Floods (Inadequate Drainage; Aged System)	4
5. Thunderstorms (Working on adding lightening suppression)	3
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	3

Hard to predict what issues these can cause for worst case scenario

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	2
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence (Lagoons)	3 or (4)
12. Terrorism Police are a target for terrorism	3 or (4)
13. Utility Failure (Vulnerable Distribution System)	4 or (5) working on total replacement
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic: 4

VILLAGE OF FAYETTE

NAME: Genna Biddix POSITION: Village Administrator

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fayette will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Currently working on planning for total water distribution system replacement + sewer lagoon upgrades in future years.
1.2 Fayette will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: Also currently work Why: with wood county Why: for commercial building Why: permits totally rewrite our zoning code from scratch % Complete: ____	Just hired a planning + zoning consultant to
1.3 Fayette will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Not sure what the specific goal here is.
1.4 Fayette will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Civic Ready
1.5 Fayette will work to prevent flood damage to property in low-lying areas where runoff water collects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fayette will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Rewriting land use plan with Zoning code rewrite

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fayette will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the village to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.3 Fayette will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.4 Fayette will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Not sure what the specific goal here is.
3.1 Fayette will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Not sure what specific goal is. Spring Creek?
3.2 Fayette will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Not sure of specific goal.
3.3 Fayette will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Using county floodplain GIS

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Fayette will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Will maintain lagoon dams etc.
4.2 Fayette will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fayette.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Planning for infrastructure upgrade - water-sewer
4.3 Fayette will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Still need upgrades to Storm sewer after separation.
4.4 Fayette will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Not sure of the specific project needed.
5.1 Fayette will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Master Telemetry for water + sewer notifies employees; Civic Ready notifies Public
5.2 Fayette will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Civic Ready Alerts

FEMA $

*Generators

Electric Upgrades? @ wells

Name & Organization: Angie Belcher, Fayette Local School District

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Angie Belcher, Fayette Local School District

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	2
3. Earthquakes	2
4. Floods	2
5. Thunderstorms	3
6. Tornadoes	3
7. Windstorms	3
8. Winter Storms	3
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	3
10. Invasive Species	4
11. Landslides, Erosion, Mine Subsidence	04
12. Terrorism	4
13. Utility Failure	4
14. Wildfire	0

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

VILLAGE OF FAYETTE

NAME: Angie Belcher POSITION: Superintendent (New)

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fayette will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Working on water right now.
1.2 Fayette will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Fayette will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	outreach @ county fair - handouts
1.4 Fayette will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Fayette will work to prevent flood damage to property in low-lying areas where runoff water collects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Fayette will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	? Not sure if completed by end date

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fayette will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the village to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	?
2.3 Fayette will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	not sure if completed ?
2.4 Fayette will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fayette will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fayette will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	? not sure if completed
3.3 Fayette will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	?

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Fayette will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	?
4.2 Fayette will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fayette.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	?
4.3 Fayette will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fayette will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fayette will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	?
5.2 Fayette will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	?

#7

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 9:20:18 AM
Last Modified:	Friday, October 18, 2019 9:51:04 AM
Time Spent:	00:30:45
IP Address:	74.139.147.119

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Genna Biddix**
Organization/Agency	**Village of Fayette**
Title/Position	**Administrator**
Email Address	**gbiddix@villageoffayette.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Medium-High Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Medium Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**Medium-High Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

VILLAGE OF FAYETTE

NAME: Jenna Biddix Administrator JURISDICTION: Village of Fayette

gbiddix@villageoffayette.com

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Y- Goal for next 5-10 yrs. Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fayette will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Previous	1	Y	3	5	5	5	5	We are in the process of a total re-write; hired consultant
Fayette will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fayette will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	Need for warming/ cooling centers
Fayette will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	5	5	5	5	5	Part of Zoning Update
Fayette will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the village to protect natural resources and property from disaster damages.	Previous	2	Y	5	5	5	5	5	Zoning Update Starting Jan 2020
Fayette will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	5	5	5	5	Civic Ready
Fayette will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	Civic Ready
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	5	5	5	5	Need

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	5	5	5	5	Silversmith GIS
Dam Failure									
Fayette will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Previous	4	Y	3	5	5	5	5	Wastewater Lagoons
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	5	5	5	5	5	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	N						Trees can be hazardous in Row
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	5	5	5	5	5	Well monitoring program through OEPA
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	3	5	5	5	5	Need but do not have
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	5	5	5	5	would work with FC Health Dept.

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding									
Fayette will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	5	5	5	5	Recent sewer separation in 2013
Fayette will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	5	5	5	5	
Fayette will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	N						
Fayette will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	N						
Fayette will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	5	5	5	5	5	
Fayette will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	5	5	5	
Fayette will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Previous	4	Y	3	5	5	5	5	Sewer Separation
Fayette will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	5	5	5	5	5	Private Property Owner Responsibility

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	~~N~~ Y	5	5	5	5	5	No building allowed in Flood
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	5	5	5	5	5	Required for Commercial not Residential
Assess the feasibility of an early flood warning/notification system.	New	2	Y	5	5	5	5	5	CivicReady
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	5	5	5	5	5	Maps of Floodplain
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	5	5	CivicReady
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	5	5	In house GIS
Prepare an emergency response plan for hazardous materials spills.	New	6	Y						County EMA Local Fire

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	5	5	5	5	Mosquito Control Program
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	5	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	5	5	5	5	5	Covered in Zoning
Install and maintain surge protection on critical electronic equipment.	New	4	Y	3	5	5	5	5	VFD Surge Protection
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	SRO
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N						
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	2	5	5	5	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	Local Police Lead this

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	N						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	N						
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	5	5	5	Zoning
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N						Not currently required
Distribute information about the locations of tornado shelters.	New	5	Y	3	5	5	5	5	Need
Utility Failure									
Fayette will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	2	5	5	5	5	Installing Generator @ Water Plant
Fayette will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fayette.	Previous	4	Y	2	5	5	5	5	Planning for Distribution System Replacement in 2020
Install power generators in public buildings.	New	2	Y	2	5	5	5	5	Need
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	2	5	5	5	5	Not enough staff
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	Need to develop

VILLAGE OF FAYETTE

NAME: Jason Sisk JURISDICTION: Fayette Police Chief

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fayette will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Previous	1	Y	3	5	5	5	5	
Fayette will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fayette will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	5	5	5	Need Warning/Tracking system
Fayette will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	5	5	5	5	5	
Fayette will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the village to protect natural resources and property from disaster damages.	Previous	2	Y	5	5	5	5	5	
Fayette will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	5	5	5	5	
Fayette will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	=	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	5	5	5	5	5	
Dam Failure									
Fayette will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Previous	4	Y	3	5	5	5	5	
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	N						
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	3	3	5	5	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding									
Fayette will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	5	5	5	5	
Fayette will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	5	5	5	5	
Fayette will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	N						
Fayette will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	N						
Fayette will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	5	5	5	5	5	
Fayette will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	5	5	5	
Fayette will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Previous	4	Y	3	5	5	5	5	
Fayette will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	5	5	5	5	5	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	3	3	3	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	5	5	5	5	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	3	3	3	3	3	
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	5	5	5	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	5	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	5	5	5	5	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	5	5	5	5	5	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	2	5	5	5	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	4	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N						
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	2	1	5	5	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	N						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	N						
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	5	5	5	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N						
Distribute information about the locations of tornado shelters.	New	5	N						
Utility Failure									
Fayette will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	2	5	5	5	5	
Fayette will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fayette.	Previous	4	Y	2	3	5	5	5	
Install power generators in public buildings.	New	2	N	1	1	5	5	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	5	5	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	5	5	

Appendix F: Meeting Documentation

Village of Lyons Surveys

Name & Organization: MARK BRYSON VILLAGE OF LYONS

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	N/A
2. Drought/Extreme Heat	3
3. Earthquakes	N/A
4. Floods	2
5. Thunderstorms	5
6. Tornadoes	5
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	2
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	N/A
13. Utility Failure	5
14. Wildfire	~~2~~

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

TRUCKING OF HAZARDOUS MATERIALS 3

Name & Organization: MARK BRYSON VILLAGE OF LYONS

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☒ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☒ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☒ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☒ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☒ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

VILLAGE OF LYONS

NAME: MARK BRYSON POSITION: COUNCIL VILLAGE OF LYONS

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Lyons will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☑ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Lyons will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Lyons.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	IN PROGRESS
1.3 Lyons will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Lyons will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Lyons will work to prevent flood damage to property in low-lying areas where runoff water collects.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Lyons will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Lyons will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.3 Lyons will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☑ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Lyons will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Lyons will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Lyons will control development in floodplains by enforcing flood-proofing standards.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.3 Lyons will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Lyons will repair and maintain, or advocate for such when not owned/ controlled by the county, any dams, dikes, and floodwalls in the village.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☑ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Lyons will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Lyons will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Lyons will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☑ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Lyons will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Lyons will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 7:47:46 AM
Last Modified:	Friday, October 18, 2019 8:04:34 AM
Time Spent:	00:16:47
IP Address:	209.143.35.234

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Tanya Lumbrezer**
Organization/Agency	**Village of LYons**
Title/Position	**Administrator**
Email Address	**lyonsvlg@bright.net**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Highest Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Low-Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Highest Priority**
Utility Failure	**Highest Priority**
Wildfire	**Medium-High Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#26

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, October 23, 2019 8:30:27 AM
Last Modified:	Wednesday, October 23, 2019 8:33:53 AM
Time Spent:	00:03:26
IP Address:	204.76.113.51

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Neil Shaw**
Organization/Agency	**Village of Lyons**
Title/Position	**Council Member**
Email Address	**shawmotorsports50@gmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**N/A**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

VILLAGE OF LYONS

NAME: MARK BRYSON JURISDICTION: VILLAGE OF LYONS

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Lyons will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Lyons.	Previous	1	Y	4	5	3	3	5	
Lyons will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	3	3	5	5	
Lyons will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	5	3	3	5	
Lyons will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	N						
Lyons will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	3	3	3	3	3	
Lyons will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	3	5	5	5	
Lyons will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	3	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	3	3	3	3	3	3	
Dam Failure									
Lyons will repair and maintain, or advocate for such when not owned/ controlled by the county, any dams, dikes, and floodwalls in the village.	Previous	4	N						
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	N						
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	1	1	1	1	1	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	1	1	1	1	1	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding									
Lyons will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	1	1	1	1	1	
Lyons will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	1	1	1	1	1	
Lyons will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	N						
Lyons will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	N						
Lyons will control development in floodplains by enforcing flood-proofing standards.	Previous	3	N						
Lyons will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	N						
Lyons will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Previous	4	Y	5	3	3	3	4	
Lyons will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	N						
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	N						
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	N						
Assess the feasibility of an early flood warning/notification system.	New	2	N						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	/	/	/	/	/	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	/	/	/	/	/	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	N						
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	/	/	/	/	/	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	/	/	/	/	/	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	1	1	1	1	1	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	5*	3*	1	3	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	1	1	1	1	1	
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	3	3	3	3	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N						
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	N						
Require active shooter training exercises in public schools and government facilities.	New	2	Y	1	1	1	1	1	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	N						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	1	1	1	1	1	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Promote enhanced anchoring of manufactured homes.	New	1	Y	1	1	1	1	1	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	1	1	1	1	1	
Distribute information about the locations of tornado shelters.	New	5	Y	1	1	1	1	1	
Utility Failure									
Lyons will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	N						
Lyons will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Previous	4	Y	3	3	3	3	3	
Install power generators in public buildings.	New	2	Y	1	1	1	1	1	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	3	3	3	3	3	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	1	1	1	1	1	

Appendix F: Meeting Documentation

Village of Metamora Surveys

#31

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, November 21, 2019 9:51:13 AM
Last Modified:	Thursday, November 21, 2019 9:55:30 AM
Time Spent:	00:04:16
IP Address:	69.34.183.27

Page 1: Survey Instructions

Q1 Name and Organization

Name	**John Pupos**
Organization/Agency	**Metamora Village**
Title/Position	**Council member**
Email Address	**johnpupos@metamoraohio.org**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
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Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Low-Medium Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Lowest Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#32

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, November 25, 2019 12:14:59 PM
Last Modified: Monday, November 25, 2019 12:15:40 PM
Time Spent: 00:00:40
IP Address: 208.87.234.202

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Cathy Mossing**
Organization/Agency	**Village of Metmora**
Title/Position	**Planning Commission**
Email Address	**cmossing@aaanwohio.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan	**Respondent skipped this question**
Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

#33

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, November 25, 2019 12:29:28 PM
Last Modified: Tuesday, November 26, 2019 3:55:50 PM
Time Spent: Over a day
IP Address: 69.34.183.27

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Catherine Vorst**
Organization/Agency	**Village of Metamora**
Title/Position	**VFO**
Email Address	**metamora@embarqmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
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Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
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Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Earthquakes	**Medium Priority**

Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

#34

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, November 27, 2019 12:26:43 PM
Last Modified:	Wednesday, November 27, 2019 12:30:41 PM
Time Spent:	00:03:58
IP Address:	24.52.126.10

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Brooke Smith**
Organization/Agency	**Metamora Council Member**
Title/Position	**President**
Email Address	**bsmith52.bs@gmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
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Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Lowest Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#22

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, December 04, 2019 9:14:08 AM
Last Modified:	Wednesday, December 04, 2019 9:15:27 AM
Time Spent:	00:01:18
IP Address:	69.34.183.27

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Susan Clendenin**
Jurisdiction/ Organization	**Vilalge of Metamora**
Title/Position	**Deputy Clerk**
Email Address	**metamora@embarqmail.com**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? — **Village of Metamora**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions. — **Respondent skipped this question**

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place. — **Respondent skipped this question**

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County. — **Respondent skipped this question**

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters. — **Respondent skipped this question**

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	**Respondent skipped this question**
Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	**Respondent skipped this question**
Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	**Respondent skipped this question**
Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	**Respondent skipped this question**
Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	**Respondent skipped this question**
Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	**Respondent skipped this question**
Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.	**Respondent skipped this question**
Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	**Respondent skipped this question**
Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	**Respondent skipped this question**
Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.	**Respondent skipped this question**

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).	**Respondent skipped this question**
Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.	**Respondent skipped this question**
Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	**Respondent skipped this question**
Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	**Respondent skipped this question**
Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.	**Respondent skipped this question**
Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	**Respondent skipped this question**
Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	**Respondent skipped this question**
Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	**Respondent skipped this question**
Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	**Respondent skipped this question**
Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	**Respondent skipped this question**

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**
Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	**Respondent skipped this question**
Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	**Respondent skipped this question**
Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	**Respondent skipped this question**
Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	**Respondent skipped this question**
Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	**Respondent skipped this question**
Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	**Respondent skipped this question**
Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.	**Respondent skipped this question**
Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.	**Respondent skipped this question**
Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	**Respondent skipped this question**

Q7 Multiple Hazards Action 5: Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	**Respondent skipped this question**
Q8 Multiple Hazards Action 6: Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	**Respondent skipped this question**
Q9 Multiple Hazards Action 7: Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	**Respondent skipped this question**
Q10 Multiple Hazards Action 8: Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	**Respondent skipped this question**
Q11 Multiple Hazards Action 9: Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	**Respondent skipped this question**
Q12 Multiple Hazards Action 10: Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	**Respondent skipped this question**
Q13 Multiple Hazards Action 11: Fulton County will prepare public buildings to serve as shelters during potential hazards.	**Respondent skipped this question**
Q14 Multiple Hazards Action 12: Fulton County will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	**Respondent skipped this question**
Q15 Dam Failure Action 1: Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	**Respondent skipped this question**
Q16 Dam Failure Action 2: Fulton County will complete inundation maps for Class I, II, and III dams.	**Respondent skipped this question**

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Q20 Drought/Extreme Heat Action 3: Fulton County will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	**Respondent skipped this question**
Q21 Epidemic Action 1: Fulton County will evaluate public health emergency preparedness capabilities.	**Respondent skipped this question**
Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	**Respondent skipped this question**
Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	**Respondent skipped this question**
Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	**Respondent skipped this question**
Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	**Respondent skipped this question**
Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	**Respondent skipped this question**

Q17 Dam Failure Action 3: Fulton County will encourage all dam owners to create an emergency action plan (EAP).	**Respondent skipped this question**
Q18 Drought/Extreme Heat Action 1: Fulton County will increase tree plantings, especially near impervious surfaces such as parking lots.	**Respondent skipped this question**
Q19 Drought/Extreme Heat Action 2: Fulton County will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	**Respondent skipped this question**
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Q22 Flooding Action 1: Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	**Respondent skipped this question**
Q23 Flooding Action 2: Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	**Respondent skipped this question**
Q24 Flooding Action 3: Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	**Respondent skipped this question**
Q25 Flooding Action 4: Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	**Respondent skipped this question**
Q26 Flooding Action 5: Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	**Respondent skipped this question**

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**
Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	**Respondent skipped this question**
Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	**Respondent skipped this question**
Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	**Respondent skipped this question**
Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	**Respondent skipped this question**
Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	**Respondent skipped this question**
Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	**Respondent skipped this question**
Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.	**Respondent skipped this question**
Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.	**Respondent skipped this question**
Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	**Respondent skipped this question**

Q27 Flooding Action 6: Fulton County will control development in floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**
Q28 Flooding Action 7: Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	**Respondent skipped this question**
Q29 Flooding Action 8: Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	**Respondent skipped this question**
Q30 Flooding Action 9: Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	**Respondent skipped this question**
Q31 Flooding Action 10: Fulton County will acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	**Respondent skipped this question**
Q32 Flooding Action 11: Fulton County will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	**Respondent skipped this question**
Q33 Flooding Action 12: Fulton County will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	**Respondent skipped this question**
Q34 Flooding Action 13: Fulton County will assess the feasibility of an early flood warning/notification system.	**Respondent skipped this question**
Q35 Flooding Action 14: Fulton County will continue to acquire structures in identified repetitive loss areas throughout Fulton County.	**Respondent skipped this question**
Q36 Flooding Action 15: Fulton County will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	**Respondent skipped this question**

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Appendix F: Meeting Documentation

Village of Swanton Surveys

Name & Organization: LISA MITCHELL/SWANTON HEALTH CARE & RETIREMENT CENTER

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	3
3. Earthquakes	0
4. Floods	2
5. Thunderstorms	5
6. Tornadoes	5
7. Windstorms	4
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	3
13. Utility Failure	5
14. Wildfire	0

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

EPIDEMIC

Name & Organization: LISA MITCHELL/SUTTON HEALTH CARE & RETIREMENT CENTER

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

VILLAGE OF SWANTON

NAME: POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Swanton will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
1.3 Swanton will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
2.1 Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
2.3 Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
2.4 Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
3.1 Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
3.2 Swanton will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
3.3 Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure
3.4 Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	Unsure

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Unsure
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.4 Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.5 Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Anthony C. Schaffer Village of Swanton Fire Division

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

- ☐ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

- ☐ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

- ☐ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

- ☐ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

- ☐ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ■ Passenger Rail traffic, Turnpike, AND Commercial plus
- □ Military AIRCRAFT
- □ Commerce Rail Incident N and S
- □ _____
- □ _____
- □ _____

Please provide any additional comments on the goals in the space provided below.

- Harden Utilities ASSISTANCE
- ~~Planning~~ Computer OR IT hardware and software ASSISTANCE
- Stand-by generators ?
- Need a little time → NEXT MEETING → for other Topic

Name & Organization: Anthony C. Schaffer Village of Swanton (Fire Division)

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	4
3. Earthquakes	0
4. Floods	5
5. Thunderstorms	5
6. Tornadoes	5
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	3
12. Terrorism	5
13. Utility Failure	5
14. Wildfire	3

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*
  - Domestic Terrorism
  - MCI Relating to Amtrak Passenger Train Incident AND HAZ-MAT on the Railroad
  - Some of the terror threats vary. Should there be sub-categories?
  - Commercial AND MILITARY AIRCRAFT Incidents

VILLAGE OF SWANTON

NAME: Anthony C. Schaffer POSITION: Deputy Fire Chief

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Swanton will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Swanton will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☒ Ongoing*	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

A.C. Schoff

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ■ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ■ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ■ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Swanton will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ■ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ■ Deferred ☐ Unchanged ■ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

A.C. Schaffer

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ ~~Ongoing~~	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: Annually Updated 2016	
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

A. C. Schaffer

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ ~~Ongoing~~	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: Annual Progress Report 2016	
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

A.S.

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.4 Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Village Administrator	7/1/15-6/30/16	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ~~☒ Ongoing~~	When: Recently Why: _____ Why: _____ Why: _____ % Complete: _____	
5.5 Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Paul Dzyak Pres. Village Council Sumiton

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Paul Dzyak Swanton Village Council

HAZARD PRIORITIES

Instructions:
1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:
0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	0
3. Earthquakes	0
4. Floods	1
5. Thunderstorms	1
6. Tornadoes	3
7. Windstorms	2
8. Winter Storms	2

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	1
13. Utility Failure	4
14. Wildfire	4

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

NATURAL GAS LINE ERUPTION

TANKER TRAIN DERAILMENT

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

Name & Organization: Paul Dzyak Scriba Village Council

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	0
3. Earthquakes	0
4. Floods	1
5. Thunderstorms	1
6. Tornadoes	3
7. Windstorms	2
8. Winter Storms	2

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	1
13. Utility Failure	4
14. Wildfire	4

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

NATURAL GAS LINE ERUPTION

TANKER TRAIN DERAILMENT

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

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Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
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VILLAGE OF SWANTON

NAME: Paul Dzyak POSITION: Village Council

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Swanton will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	
1.2 Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	
1.3 Swanton will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	
1.4 Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	
1.5 Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	
2.1 Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete: In Process	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROCESS	
2.3 Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROCESS	
2.4 Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROCESS	
3.1 Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: TO OAK OPENINGS Why: _____ % Complete: _____	
3.2 Swanton will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: TO OAK OPENINGS Why: _____ % Complete: _____	
3.3 Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: TO OAK OPENINGS Why: _____ % Complete: _____	
3.4 Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: TO OAK OPENINGS Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: TO FULTON COUNTY Why: ____ % Complete: ____	
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: TO TOLEDO EDISON Why: ____ % Complete: ____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: IN PROCESS	TO BE Completed IN 2026
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: TO FULTON COUNTY Why: ____ % Complete: ____	
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: TO FULTON COUNTY Why: ____ % Complete: ____	
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: IN PROCESS	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: IN PROCESS	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROGRESS	
5.4 Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROGRESS	
5.5 Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: IN PROGRESS	

Name & Organization: Chris Lake Swanton Local School District

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	3
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	5
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5 (Train Derailment)
10. Invasive Species	4
11. Landslides, Erosion, Mine Subsidence	3
12. Terrorism	3
13. Utility Failure	3
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 4

Train Derailment 5

Name & Organization: Chris Lake Swanton Local School District

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

VILLAGE OF SWANTON

Please see survey from village government personnel. The patrols have not been part of this update.

NAME: CHRIS LAKE POSITION: Swanton Schools Superintendent

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Swanton will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Swanton will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Swanton will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.4 Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.5 Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Ann Roth, Mayor of Swanton, EMA Board - 7 years

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☐ Goal 2: Fulton County and each jurisdiction will take action ~~to prevent vulnerability to~~ lessen the impact of natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Ann Roth, Mayor, Village of Swanton.

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	1
3. Earthquakes	0
4. Floods	2
5. Thunderstorms	2
6. Tornadoes	2
7. Windstorms	2
8. Winter Storms	2

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	4→Asian Long Horned Beetle 0→Gypsy Moth
11. Landslides, Erosion, Mine Subsidence	2
12. Terrorism	3
13. Utility Failure	1
14. Wildfire	

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Train Derailment

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.3 Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Defer to County
3.1 Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	N/A - Defer to County
3.2 Swanton will control development in floodplains by enforcing flood-proofing standards.	Village Administrator	7/1/15-6/30/17	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.3 Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	N/A
3.4 Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☒ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Deferred to FC EMA

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	No
4.2 Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	In process until 2026
4.5 Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	N/A
5.1 Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.4 Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.5 Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#12

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 2:43:26 PM
Last Modified:	Friday, October 18, 2019 2:53:30 PM
Time Spent:	00:10:04
IP Address:	98.28.52.212

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Paul Dzyak**
Organization/Agency	**Swanton Village Council**
Title/Position	**Council President**
Email Address	**pdzyak@yahoo.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**N/A**
Earthquakes	**N/A**
Floods	**Low-Medium Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Medium-High Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Medium-High Priority**
Landslides, Erosion, Mine Subsidence	**N/A**
Terrorism	**Low-Medium Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Most of the planning should fall at the county level

#20

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 10:01:31 AM
Last Modified: Monday, October 21, 2019 10:04:28 AM
Time Spent: 00:02:56
IP Address: 71.66.89.82

Page 1: Survey Instructions

Q1 Name and Organization

Name	**natasha bailey**
Organization/Agency	**swanton valley**
Title/Position	**administrator**
Email Address	**nbailey@swantonvalley.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Keep goal as written with no modifications

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Keep goal as written with no modifications

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Keep goal as written with no modifications

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

How would you modify this goal, if needed?:

utilize and monitor

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Keep goal as written with no modifications

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Lowest Priority**
Thunderstorms	**Medium Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Lowest Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

I selected areas that might apply to the school district. The rest would really be for the local government folks to decide.

Fulton County

FULTON COUNTY ALL HAZARDS MITIGATION PLAN

MITIGATION ACTIONS SCORING MATRIX

VILLAGE OF SWANTON

NAME: CHRIS LANE JURISDICTION: SWANTON LOCAL SCHOOL DISTRICT

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Swanton.	Previous	1							
Swanton will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1							
Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1							
Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	Previous	1	4	4	4	3	3	4	
Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2							
Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2							
Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3							

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	4	3	4	3	3	4	
Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	4	3	4	3	3	4	
Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	Previous	5							
Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	Previous	5							
Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	Previous	5							
Prepare public buildings to serve as shelters during potential hazards.	New	1	4	2	4	3	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6							
Dam Failure									
Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	Previous	4							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Complete inundation maps for Class I, II, and III dams.	New	6							
Encourage all dam owners to create an emergency action plan (EAP).	New	6							
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3							
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3							
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5							
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2							
Flooding									
Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2							
Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	2							
Swanton will control development in floodplains by enforcing flood-proofing standards.	Previous	3							
Swanton will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping and management.	Previous	3							
Swanton will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Previous	4							
Swanton will install retention ponds, dams, dikes, levees, and/or floodwalls where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4							
Swanton will use elevation as a method to eliminate or lessen flooding to infrastructure, including but not limited to roads, streets, and critical facilities.	Previous	4							
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1							
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1							
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Assess the feasibility of an early flood warning/notification system.	New	2							
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2							
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2							
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2							
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	4	3	3	3	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6							
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	3	4	3	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5							
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6							

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1							
Install and maintain surge protection on critical electronic equipment.	New	4							
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5							
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1							
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	4	3	4	5	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	4	2	4	3	5	5	
Require active shooter training exercises in public schools and government facilities.	New	2	4	5	5	3	4	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1							

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1							
Promote enhanced anchoring of manufactured homes.	New	1							
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4							
Distribute information about the locations of tornado shelters.	New	5							
Utility Failure									
Swanton will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1							
Swanton will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Swanton.	Previous	4							
Install power generators in public buildings.	New	2							
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2							
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5							

#21

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Sunday, December 01, 2019 8:01:27 PM
Last Modified:	Sunday, December 01, 2019 8:14:19 PM
Time Spent:	00:12:51
IP Address:	104.176.114.53

Page 1: Survey Purpose

Q1 Name and Organization

Name	**Tony Schaffer**
Jurisdiction/ Organization	**Swanton Fire & Rescue Division**
Title/Position	**Fire Chief**
Email Address	**firechief@villageofswantonohio.us**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing? — **Village of Swanton**

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions. — **Respondent skipped this question**

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place. — **Respondent skipped this question**

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County. — **Respondent skipped this question**

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters. — **Respondent skipped this question**

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Q120 Multiple Hazards Action 2: Archbold will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	**Respondent skipped this question**
Q121 Multiple Hazards Action 3: Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	**Respondent skipped this question**
Q122 Multiple Hazards Action 4: Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	**Respondent skipped this question**
Q123 Multiple Hazards Action 5: Archbold will develop, adopt, implement, and enforce zoning regulations.	**Respondent skipped this question**
Q124 Multiple Hazards Action 6: Archbold will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	**Respondent skipped this question**
Q125 Multiple Hazards Action 7: Archbold will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	**Respondent skipped this question**
Q126 Multiple Hazards Action 8: Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	**Respondent skipped this question**
Q127 Multiple Hazards Action 9: Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	**Respondent skipped this question**
Q128 Multiple Hazards Action 10: Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	**Respondent skipped this question**
Q129 Multiple Hazards Action 11: Archbold will prepare public buildings to serve as shelters during potential hazards.	**Respondent skipped this question**

Q130 Multiple Hazards Action 12: Archbold will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	**Respondent skipped this question**
Q131 Dam Failure Action 1: Archbold will repair and maintain, or advocate for such when not owned/controlled by the village, any dams, dikes, and floodwalls in the village.	**Respondent skipped this question**
Q132 Dam Failure Action 2: Archbold will complete inundation maps for Class I, II, and III dams.	**Respondent skipped this question**
Q133 Dam Failure Action 3: Archbold will encourage all dam owners to create an emergency action plan (EAP).	**Respondent skipped this question**
Q134 Drought/Extreme Heat Action 1: Archbold will increase tree plantings, especially near impervious surfaces such as parking lots.	**Respondent skipped this question**
Q135 Drought/Extreme Heat Action 2: Archbold will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	**Respondent skipped this question**
Q136 Drought/Extreme Heat Action 3: Archbold will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	**Respondent skipped this question**
Q137 Epidemic Action 1: Archbold will evaluate public health emergency preparedness capabilities.	**Respondent skipped this question**
Q138 Flooding Action 1: Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	**Respondent skipped this question**
Q139 Flooding Action 2: Archbold will control new development inside established floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**

Q140 Flooding Action 3: Archbold will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	**Respondent skipped this question**
Q141 Flooding Action 4: Archbold will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	**Respondent skipped this question**
Q142 Flooding Action 5: Archbold will control development in floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**
Q143 Flooding Action 6: Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	**Respondent skipped this question**
Q144 Flooding Action 7: Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	**Respondent skipped this question**
Q145 Flooding Action 8: Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	**Respondent skipped this question**
Q146 Flooding Action 9: Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	**Respondent skipped this question**
Q147 Flooding Action 10: Archbold will acquire, retrofit, elevate, or relocate flood prone structures throughout the Village.	**Respondent skipped this question**
Q148 Flooding Action 11: Archbold will adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	**Respondent skipped this question**
Q149 Flooding Action 12: Archbold will ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	**Respondent skipped this question**

Q150 Flooding Action 13: Archbold will assess the feasibility of an early flood warning/notification system.	**Respondent skipped this question**
Q151 Flooding Action 14: Archbold will continue to acquire structures in identified repetitive loss areas throughout the Village.	**Respondent skipped this question**
Q152 Flooding Action 15: Archbold will evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	**Respondent skipped this question**
Q153 Flooding Action 16: Archbold will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q154 Hazardous Materials Action 1: Archbold will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q155 Hazardous Materials Action 2: Archbold will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q156 Hazardous Materials Action 3: Archbold will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q157 Invasive Species Action 1: Archbold will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q158 Landslide, Erosion, and Mine Subsidence Action 1: Archbold will identify and map erosion hazard areas.	**Respondent skipped this question**
Q159 Severe Summer Storms Action 1: Archbold will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q160 Severe Summer Storms Action 2: Archbold will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**

Q275 Tornadoes/Windstorms Action 1: Fayette will construct community safe rooms.	**Respondent skipped this question**
Q276 Tornadoes/Windstorms Action 2: Fayette will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q277 Tornadoes/Windstorms Action 3: Fayette will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q278 Tornadoes/Windstorms Action 4: Fayette will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q279 Tornadoes/Windstorms Action 5: Fayette will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q280 Utility Failure Action 1: Fayette will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q281 Utility Failure Action 2: Fayette will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	**Respondent skipped this question**
Q282 Utility Failure Action 3: Fayette will install power generators in public buildings.	**Respondent skipped this question**
Q283 Utility Failure Action 4: Fayette will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	**Respondent skipped this question**
Q284 Utility Failure Action 5: Fayette will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	**Respondent skipped this question**

Page 8: Village of Lyons

Q381 Utility Failure Action 1: Metamora will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q382 Utility Failure Action 2: Metamora will install power generators in public buildings.	**Respondent skipped this question**
Q383 Utility Failure Action 3: Metamora will support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	**Respondent skipped this question**
Q384 Utility Failure Action 4: Metamora will develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	**Respondent skipped this question**

Page 10: Village of Swanton

Q385 Multiple Hazards Action 1: Swanton will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	**Respondent skipped this question**
Q386 Multiple Hazards Action 2: Swanton will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	**Respondent skipped this question**
Q387 Multiple Hazards Action 3: Swanton will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	**Respondent skipped this question**
Q388 Multiple Hazards Action 4: Swanton will seek out ways to modify, retrofit, or water/wind proof properties and critical infrastructure to prevent damage during extreme weather conditions.	**Respondent skipped this question**
Q389 Multiple Hazards Action 5: Swanton will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	**Respondent skipped this question**
Q390 Multiple Hazards Action 6: Swanton will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	**Respondent skipped this question**

Q391 Multiple Hazards Action 7: Swanton will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	**Respondent skipped this question**
Q392 Multiple Hazards Action 8: Swanton will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	**Respondent skipped this question**
Q393 Multiple Hazards Action 9: Swanton will engage in public information and outreach projects that help residents know what to do in an emergency.	**Respondent skipped this question**
Q394 Multiple Hazards Action 10: Swanton will conduct programs that inform residents how to respond during evacuations and other emergencies that cause the need for shelters, comfort stations, and community centers.	**Respondent skipped this question**
Q395 Multiple Hazards Action 11: Swanton will provide information to residents about personal and family disaster preparedness for weather related hazards, including sources of social and health assistance after an emergency or disaster.	**Respondent skipped this question**
Q396 Multiple Hazards Action 12: Swanton will conduct programs that inform people with functional needs how to obtain necessary assistance during disasters and will inform them of the various organizations and agencies that provide assistance.	**Respondent skipped this question**
Q397 Multiple Hazards Action 13: Swanton will prepare public buildings to serve as shelters during potential hazards.	**Respondent skipped this question**
Q398 Multiple Hazards Action 14: Swanton will gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	**Respondent skipped this question**
Q399 Dam Failure Action 1: Swanton will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the village.	**Respondent skipped this question**

Q400 Dam Failure Action 2: Swanton will complete inundation maps for Class I, II, and III dams.	**Respondent skipped this question**
Q401 Dam Failure Action 3: Swanton will encourage all dam owners to create an emergency action plan (EAP).	**Respondent skipped this question**
Q402 Drought/Extreme Heat Action 1: Swanton will increase tree plantings, especially near impervious surfaces such as parking lots.	**Respondent skipped this question**
Q403 Drought/Extreme Heat Action 2: Swanton will identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	**Respondent skipped this question**
Q404 Drought/Extreme Heat Action 3: Swanton will organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	**Respondent skipped this question**
Q405 Epidemic Action 1: Swanton will evaluate public health emergency preparedness capabilities.	**Respondent skipped this question**
Q406 Flooding Action 1: Swanton will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	**Respondent skipped this question**
Q407 Flooding Action 2: Swanton will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	**Respondent skipped this question**
Q408 Flooding Action 3: Swanton will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	**Respondent skipped this question**
Q409 Flooding Action 4: Swanton will control development in floodplains by enforcing flood-proofing standards.	**Respondent skipped this question**

Appendix F: Meeting Documentation

Other Surveys

#5

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 8:11:17 AM
Last Modified:	Friday, October 18, 2019 8:20:46 AM
Time Spent:	00:09:28
IP Address:	174.96.222.19

Page 1: Survey Instructions

Q1 Name and Organization

Name	**LaVonne Davis**
Organization/Agency	**Resident**
Title/Position	**Boss**
Email Address	**lmd5573@gmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Medium Priority**
Drought/Extreme Heat	**Highest Priority**
Earthquakes	**Low-Medium Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Highest Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Low-Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Highest Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#8

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 10:58:48 AM
Last Modified:	Friday, October 18, 2019 11:16:38 AM
Time Spent:	00:17:50
IP Address:	162.155.118.18

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Catherine Reed**
Organization/Agency	**American Red Cross**
Title/Position	**Disaster Program Manager**
Email Address	**catherine.reed@redcross.org**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan	**Respondent skipped this question**
Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

#14

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, October 18, 2019 3:45:25 PM
Last Modified:	Friday, October 18, 2019 3:49:31 PM
Time Spent:	00:04:06
IP Address:	96.45.253.103

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Edna Ruscigno**
Organization/Agency	**N/a**
Title/Position	**N/a**
Email Address	**emr52863@aol.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Low-Medium Priority**
Floods	**Medium-High Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Highest Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Medium-High Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Highest Priority**
Utility Failure	**Highest Priority**
Wildfire	**Highest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#19

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 8:14:25 AM
Last Modified: Monday, October 21, 2019 8:35:16 AM
Time Spent: 00:20:50
IP Address: 69.1.132.211

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Julie Rittenhouse**
Organization/Agency	**Defiance County EMA**
Title/Position	**Director**
Email Address	**ema@defiance-county.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Looks good to me.

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Highest Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Lowest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Low-Medium Priority**
Utility Failure	**Medium-High Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#25

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, October 22, 2019 4:30:30 PM
Last Modified: Tuesday, October 22, 2019 4:34:55 PM
Time Spent: 00:04:24
IP Address: 162.118.16.5

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Joseph Contreras**
Organization/Agency	**Messer LLC**
Title/Position	**Driver Trainer**
Email Address	**joseph.contreras@messer-us.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Low-Medium Priority**
Drought/Extreme Heat	**Highest Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Highest Priority**
Windstorms	**Medium Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium-High Priority**
Invasive Species	**Highest Priority**
Landslides, Erosion, Mine Subsidence	**Low-Medium Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium Priority**
Wildfire	**Low-Medium Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

#27

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, October 23, 2019 6:59:01 PM
Last Modified: Wednesday, October 23, 2019 7:00:51 PM
Time Spent: 00:01:49
IP Address: 209.143.35.158

Page 1: Survey Instructions

Q1 Name and Organization

Name	**mark ballmer**
Organization/Agency	**howard hanna**
Title/Position	**agent**
Email Address	**markballmer@howardhanna.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan	**Respondent skipped this question**
Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

#28

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, October 29, 2019 8:15:05 AM
Last Modified:	Tuesday, October 29, 2019 8:30:00 AM
Time Spent:	00:14:54
IP Address:	76.76.41.99

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Cheryl Bird**
Organization/Agency	**personal**
Title/Position	**homeowner**
Email Address	**cdbird@fulton-net.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	How would you modify this goal, if needed?: Please verify that legal avenues as well as engineered solutions are utilized. Case in point, many times tree branches are overhanging the road right-of-way. When I asked a county employee why that was allowed he stated that the county could not trim something on private property. I then reminded him that it was overhanging and within a week the county trimmed.the offending branches. The falling branches had the potential of causing an accident and/or major injuries.

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	How would you modify this goal, if needed?: Please remember NOT to limit the information to News media only! There are residents who chose not to listen the negativity of the media (other stories) and, because of the cost, do NOT received newspapers.
Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Highest Priority**
Drought/Extreme Heat	**Lowest Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Low-Medium Priority**
Tornadoes	**Low-Medium Priority**
Windstorms	**Highest Priority**
Winter Storms	**Medium Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Medium Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Lowest Priority**
Utility Failure	**Lowest Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments

Not all hazardous situations can be planned. We need to remember to keep this in mind. Acts of God sometimes require a Plan B, C, D. and trust that everything will even out.

#29

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, October 29, 2019 11:52:56 AM
Last Modified: Tuesday, October 29, 2019 1:23:05 PM
Time Spent: 01:30:08
IP Address: 205.251.168.8

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Craig Szczublewski**
Organization/Agency	**Fulton County Resident**
Title/Position	**Resident**
Email Address	**craig.szczublewski@gmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

Q7 If there is a new goal that should be included, please type that goal below	**Respondent skipped this question**
Q8 Please provide any additional comments related to these goals in the space below.	**Respondent skipped this question**

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan	**Respondent skipped this question**
Q10 Possible Additional Hazards	**Respondent skipped this question**
Q11 Please provide any additional comments about these hazards.	**Respondent skipped this question**

Page 4: Survey Complete!

Q12 General Comments	**Respondent skipped this question**

#30

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, November 20, 2019 11:01:15 AM
Last Modified: Wednesday, November 20, 2019 11:05:11 AM
Time Spent: 00:03:56
IP Address: 65.152.1.226

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Mike Anderzack**
Organization/Agency	**Anderzack-Pitzen Construction, Inc**
Title/Position	**owner**
Email Address	**Mikeanderzack@wecandigit.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Highest Priority**
Drought/Extreme Heat	**Low-Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Highest Priority**
Thunderstorms	**Highest Priority**
Tornadoes	**Low-Medium Priority**
Windstorms	**Medium-High Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Highest Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Highest Priority**
Utility Failure	**Highest Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

FULTON COUNTY

NAME: Brittany Root JURISDICTION: Resident

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	n						
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	n						
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	y	4	4	4	4	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	n						
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	y	3	3	3	3	3	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	y	3	3	3	3	3	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	n						
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	y	3	3	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	3	3	3	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	3	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	3	3	3	3	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	3	3	3	3	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	N						
Complete inundation maps for Class I, II, and III dams.	New	6	N						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N						
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	5	5	5	5	5	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	4	4	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	4	4	4	4	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	n						
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	n						
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	n						
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	3	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	5	5	5	5	5	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	N						
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	N				-		
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	4	4	4	4	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	N						leave to homeowners ins.
Assess the feasibility of an early flood warning/notification system.	New	2	Y	5	5	5	5	5	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	N						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	4	4	4	4	
Complete a commodity flow study for Fulton County.	New	6	Y	5	4	4	4	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	4	3	3	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	3	4	4	3	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5							unknown
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	N						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	5	5	5	5	5	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	5	5	5	5	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3							unknown
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	N						
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	5	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	3	3	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	3	3	3	3	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	3	3	3	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	4	4	4	4	4	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	N						leave to city + town ships.
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	3	3	3	3	3	
Install power generators in public buildings.	New	2	Y	5	5	5	5	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	4	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	4	4	4	4	4	

FULTON COUNTY

NAME: Tim Sutton JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	1	3	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	1	3	5	5	5	5	Warning Systems Needed
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	1	3	5	5	5	5	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	1	3	5	5	5	5	Public Address Systems
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	2	2	4	4	4	5	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	2	3	5	5	5	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	2	2	4	5	5	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	4	2	4	4	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y 4	3	4	4	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y 4	3	4	4	4	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y 1	3	5	5	5	5	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y 4	2	5	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	N 2	1	1	1	1	1	
Complete inundation maps for Class I, II, and III dams.	New	6	N 2	1	1	1	1	1	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	N 2	1	1	1	1	1	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y 2	2	3	3	2	1	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y 2	2	3	3	2	1	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y 4	4	4	4	4	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y 3	3	4	4	3	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y 1	4	5	5	5	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y 2	3	5	5	5	5	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y 2	4	4	4	4	5	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y 2	4	4	4	4	5	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone fot riverine or flash flooding.	Previous	3	Y 2	3	3	4	4	5	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y 2	3	3	4	4	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y 3	3	4	4	3	4	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y 4	3	3	4	3	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y 4	4	3	5	4	5	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y 4	3	3	4	3.	4	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y 3	3	4	4	3	4	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y 3	3	4	4	3	4	
Assess the feasibility of an early flood warning/notification system.	New	2	Y 2	3	3	3	3	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y 4	4	4	4	4	5	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y 3	3	3	4	3	4	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y 3	4	3	4	4	4	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y 2	3	4	4	3	4	
Complete a commodity flow study for Fulton County.	New	6	Y 2	3	3	4	3	4	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y 2	3	2	4	3	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y 3	4	4	4	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y 3	4	3	4	3	4	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y 3	4	3	4	3	4	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y 2	3	4	4	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y 2	3	3	4	3	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y 3	3	3	4	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y 3	3	4	5	3	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y 1	2	4	5	3	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y 2	3	4	5	3	5	
Require active shooter training exercises in public schools and government facilities.	New	2	Y 2	3	4	5	3	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y 3	3	4	5	3	5	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y 3	4	4	5	3	5	
Promote enhanced anchoring of manufactured homes.	New	1	Y 2	3	4	5	3	5	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y 2	3	4	5	3	5	
Distribute information about the locations of tornado shelters.	New	5	Y 3	4	4	5	3	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y3	3	3	4	3	5	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y2	3	3	4	3	5	
Install power generators in public buildings.	New	2	Y2	3	3	4	3	5	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y4	3	4	4	3	5	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y3	3	4	4	3	5	

FULTON COUNTY

NAME: Mike Fontaine JURISDICTION: ODOT

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	No						
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	No						
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	NO						
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	No						
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	No						
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	No						
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	No						
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	No						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	yes	3	5	5	5	4	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	No						
Prepare public buildings to serve as shelters during potential hazards.	New	1	yes	2	4	3	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	yes	4	5	5	4	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	yes	3	3	4	4	5	
Complete inundation maps for Class I, II, and III dams.	New	6	No						
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Yes	3	5	5	3	5	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	NO						
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	No						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	yes	3	5	5	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	NO						
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	yes	3	4	5	4	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	NO						
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	NO						
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	yes	3	5	5	3	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	NO						
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	NO						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	No						
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	yes	~~4~~	5	5	3	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	yes	3	5	5	4	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	NO						
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	NO						
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	NO						
Assess the feasibility of an early flood warning/notification system.	New	2	yes	4	4	4	4	4	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	No						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	NO						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	NO						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	No						
Complete a commodity flow study for Fulton County.	New	6	yes	3	3	5	3	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	No						
Prepare an emergency response plan for hazardous materials spills.	New	6	yes	4	4	5	4	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	No						
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	No						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	No						
Install and maintain surge protection on critical electronic equipment.	New	4	yes	4	5	5	5	5	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	No						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	yes	5	5	5	4	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Yes	3	2	4	2	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	NO						
Require active shooter training exercises in public schools and government facilities.	New	2	Yes	4	5	5	5	5	All Ready Started) Required in all state offices
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	NO						
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	NO						
Promote enhanced anchoring of manufactured homes.	New	1	NO						
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	NO						
Distribute information about the locations of tornado shelters.	New	5	NO						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	YES						
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	NO						
Install power generators in public buildings.	New	2	NO						
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	YES	3	4	5	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	NO						

ORING MATRIX

Immediate Need	Risk Reduction

FULTON COUNTY

NAME: Lauren Hester JURISDICTION: Fulton County Commissioners

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	4	3	3	3	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	5	4	4	4	4	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	5	5	5	5	5	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	5	4	5	5	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	5	5	5	5	5	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	5	5	5	5	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	5	5	5	5	5	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your Jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	5	4	5	5	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	5	5	5	5	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	5	4	3	4	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	4	4	5	4	3	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	5	5	5	5	5	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	5	5	5	4	4	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	3	5	5	3	3	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	5	3	5	4	5	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	3	3	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	3	3	3	3	3	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	3	5	2	3	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	3	3	3	3	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	5	5	5	5	5	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	5	5	5	5	5	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	4	4	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	4	4	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	5	5	5	5	5	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	3	3	3	3	3	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	3	3	3	3	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	3	3	3	3	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	3	3	3	3	3	
Assess the feasibility of an early flood warning/notification system.	New	2	Y	3	3	3	3	3	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	Y	3	3	3	3	3	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	Y	3	3	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	5	4	5	3	3	
Complete a commodity flow study for Fulton County.	New	6	Y	3	3	3	3	3	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	5	5	5	4	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	5	5	5	5	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	3	3	3	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	3	3	3	3	3	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	N	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	4	5	4	4	4	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	5	5	5	5	5	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	5	4	4	4	4	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	N	3	2	4	2	2	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	3	3	3	3	3	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	5	5	5	4	5	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	3	3	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	5	4	4	4	4	
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	5	5	5	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	N	3	3	3	3	3	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	5	5	

FULTON COUNTY

NAME: Jan Rupp JURISDICTION: Commissioner

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Yes	4	4	3	4	4	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Yes	2	2	3	2	2	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Yes	3	4	4	5	4	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Yes	4	4	4	4	4	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Yes	3	2	3	5	4	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Yes	4	4	4	4	4	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Yes	4	4	4	4	4	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Yes	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	yes	3	5	4	3	3	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Yes	3	3	3	3	3	
Prepare public buildings to serve as shelters during potential hazards.	New	1							
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Yes	5	5	5	5	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	yes	4	4	4	4	4	
Complete inundation maps for Class I, II, and III dams.	New	6	yes	3	3	3	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	yes	3	3	3	3	3	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	yes	3	3	4	2	1	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	yes	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	yes	5	5	5	4	4	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	yes	4	4	4	4	4	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	yes	3	3	5	4	5	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	yes	3	3	3	3	3	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	yes	3	2	3	4	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	yes	3	4	5	4	4	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	yes	3	5	5	5	4	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	yes	3	3	3	3	3	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	yes	3	3	3	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	y	4	4	4	4	4	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	y	4	4	4	4	4	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	y	2	3	3	3	3	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	y	2	2	4	2	3	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	n						
Assess the feasibility of an early flood warning/notification system.	New	2	y	2	2	2	2	2	
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	y	1	3	4	3	1	
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	y	1	1	3	3	3	
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	y	2	2	2	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	y	5	5	5	5	5	
Complete a commodity flow study for Fulton County.	New	6	y	4	5	5	5	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	y	5	5	5	5	5	
Prepare an emergency response plan for hazardous materials spills.	New	6	y	4	4	5	4	5	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	y	3	3	3	3	3	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	n						
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	y	3	3	3	3	3	
Install and maintain surge protection on critical electronic equipment.	New	4	n						
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	n						

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	4	3	4	3	3	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	2	3	3	3	3	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	2	2	2	2	2	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	3	3	3	3	3	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	3	3	3	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	3	3	3	3	3	
Promote enhanced anchoring of manufactured homes.	New	1	Y	3	3	3	3	3	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	3	3	3	3	3	
Distribute information about the locations of tornado shelters.	New	5	Y	3	5	3	3	3	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	Y	3	4	5	4	4	
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	4	4	4	4	4	
Install power generators in public buildings.	New	2	Y	4	4	4	4	4	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	4	4	4	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	3	3	3	3	3	

FULTON COUNTY

NAME: Jeff Ruge JURISDICTION: Fulton County

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Multiple Hazards									
Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Previous	1	Y	5	5	5	5	5	
Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Previous	1	Y	4	4	5	5	5	
Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Previous	1	Y	5	5	5	5	5	
Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Previous	2	Y	5	4	5	5	5	
Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Previous	2	Y	5	4	5	5	5	
Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Previous	2	Y	4	4	5	5	5	
Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Previous	3	Y	3	3	5	3	3	
Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	Previous	5	Y	5	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Previous	5	Y	4	4	3	4	5	
Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	Previous	5	Y	4	4	4	4	5	
Prepare public buildings to serve as shelters during potential hazards.	New	1	Y	3	4	3	3	4	
Gather and maintain local GIS data, including tax parcels, building footprints, critical facility locations, and hazardous materials facilities in an easily shareable format.	New	6	Y	3	3	3	4	5	
Dam Failure									
Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	Previous	4	Y	2	3	4	3	3	
Complete inundation maps for Class I, II, and III dams.	New	6	Y	4	4	4	3	3	
Encourage all dam owners to create an emergency action plan (EAP).	New	6	Y	5	5	5	5	5	
Drought/Extreme Heat									
Increase tree plantings, especially near impervious surfaces such as parking lots.	New	3	Y	3	4	5	3	3	
Identify local drought indicators, such as soil moisture, precipitation, temperature, and surface water levels, and record them at least once per month.	New	3	N						

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Organize outreach to provide appropriate support (transportation to cooling centers, water delivery, etc.) to vulnerable populations, such as children or the elderly during drought and extreme heat events.	New	5	Y	4	5	5	5	5	
Epidemic									
Evaluate public health emergency preparedness capabilities.	New	2	Y	4	4	4	5	5	
Flooding									
Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Previous	1	Y	3	4	5	4	4	
Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Previous	2	Y	5	5	5	3	4	
Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Previous	2	Y	2	3	4	2	3	
Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Previous	2	Y	3	4	5	2	3	
Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Previous	3	Y	3	4	5	2	2	
Fulton County will control development in floodplains by enforcing flood-proofing standards.	Previous	3	Y	4	4	4	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Fulton County will establish, maintain, and adopt maps for flood- prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Previous	3	Y	5	5	5	3	3	
Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	Previous	4	Y	3	4	5	3	3	
Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Previous	4	Y	2	4	5	2	2	
Acquire, retrofit, elevate, or relocate flood prone structures throughout Fulton County.	New	1	Y	1	1	3	1	1	
Adopt ASCE-24-05 Flood Resistant Design and Construction code, which establishes minimum requirements for building design and construction in flood hazard areas.	New	1	Y	5	5	5	2	2	
Ensure that NFIP requirements are being met concerning repairs, renovations, and remodeling of structures located in the regulatory floodplain.	New	1	Y	4	5	5	2	2	
Assess the feasibility of an early flood warning/notification system.	New	2	N						
Continue to acquire structures in identified repetitive loss areas throughout Fulton County.	New	2	N						
Evaluate the feasibility of upstream surface flood storage for flood prone structures that cannot be mitigated by conventional techniques.	New	2	N						
Identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	New	2	Y	3	4	5	2	2	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Hazardous Materials									
Update existing alarm systems to warn about hazardous materials spills.	New	2	Y	3	5	5	4	5	
Complete a commodity flow study for Fulton County.	New	6	Y	3	4	5	4	5	
Maintain an inventory of hazardous waste generators and storage facilities in GIS.	New	6	Y	4	5	5	4	4	
Prepare an emergency response plan for hazardous materials spills.	New	6	Y	4	5	5	4	4	
Invasive Species									
Develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	New	5	Y	5	5	5	5	5	
Landslide, Erosion, Mine Subsidence									
Identify and map erosion hazard areas.	New	6	Y	4	4	4	2	2	
Severe Summer Storms									
Require structures on temporary foundations to be anchored to permanent foundations.	New	1	Y	5	4	4	4	3	
Install and maintain surge protection on critical electronic equipment.	New	4	Y	4	5	5	3	3	
Provide educational materials to school children about the safety procedures during severe summer storms.	New	5	Y	4	5	5	5	5	

MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Severe Winter Weather									
Plan for and maintain adequate road and debris clearing capabilities.	New	1	Y	3	5	5	5	5	
Plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	New	3	Y	3	5	5	4	5	
Terrorism									
Install bollards to block roadways during public events, such as festivals and parades.	New	2	Y	4	5	1	2	2	
Require active shooter training exercises in public schools and government facilities.	New	2	Y	4	4	1	4	4	
Tornadoes/Windstorms									
Construct community safe rooms.	New	1	Y	2	3	5	3	3	
Encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	New	1	Y	2	3	5	3	4	
Promote enhanced anchoring of manufactured homes.	New	1	Y	5	5	5	4	4	
Encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	New	4	Y	5	4	5	4	4	
Distribute information about the locations of tornado shelters.	New	5	Y	5	5	5	4	4	

Hazard & Associated Mitigation Action	New or previous mitigation action	Associated Goal	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Utility Failure									
Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Previous	1	N						
Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	Previous	4	Y	5	5	5	5	5	
Install power generators in public buildings.	New	2	Y	2	3	4	2	3	
Support tree-trimming to prevent limb breakage and safeguard nearby utility lines during severe storm events.	New	2	Y	4	5	5	3	4	
Develop a public outreach campaign to heighten awareness on being prepared for long-term power outages.	New	5	Y	5	5	5	4	4	

Name & Organization: Karen David for Catherine Reed - Red Cross

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Name & Organization: Karen David for Catherine Reed – RedCross

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	4
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	5
6. Tornadoes	5
7. Windstorms	
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	4
11. Landslides, Erosion, Mine Subsidence	3
12. Terrorism (Active shooters included)	3
13. Utility Failure	5
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

EPIDEMIC 2

FULTON COUNTY

NAME: Karen David for Catharine Read POSITION: Red Cross

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 20%	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: approx 50%	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/18	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 20%	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Angel Matthews Public Event Coordinator

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; If the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

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☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Not sure a county or city official I do not see what we get appropiate info.

FULTON COUNTY

NAME: Angel Matthews POSITION: Public Event Coordinator

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 20	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 50	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☑ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: Why: Why: Why: % Complete:	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete:	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: Why: Why: Why: % Complete: 50	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Glenn Cliffentz Church (Religious organization)

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

Name & Organization: Colenn Coblentz Church

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	03
2. Drought/Extreme Heat	02
3. Earthquakes	01
4. Floods	04
5. Thunderstorms	03
6. Tornadoes	03 04
7. Windstorms	03
8. Winter Storms	

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	01
10. Invasive Species	02
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	03
13. Utility Failure	00
14. Wildfire	0D

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?* 5,6,7 8 Could be grouped.
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

CITY OF WAUSEON

NAME: Glenn Cobleutz POSITION: Lead Parker

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Wauseon will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Public Works Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Wauseon will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the city.	Code Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Wauseon will encourage property owners to protect their properties against loss from disasters through individual preventive actions.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Wauseon will identify and search out methods to assist individual property owners to implement individual protective actions.	Mayor	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Wauseon will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.6. Wauseon will develop and maintain access to a supply of sandbags to protect public property and critical infrastructure from sudden flooding or runoff.	Public Works Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.1 Wauseon will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.2 Wauseon will develop, adopt, implement, and enforce zoning Regulations.	Code Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Wauseon will control new development inside established floodplains by enforcing flood-proofing standards.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Wauseon will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Wauseon will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Mayor	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Wauseon will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Public Works Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: dawn Scan	to keep
3.1 Wauseon will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.2 Wauseon will control development in floodplains by enforcing flood-proofing standards.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Wauseon will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Code Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Wauseon will repair and maintain, or advocate for such when not owned/ controlled by the city, any dams, dikes, and floodwalls in the city.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Wauseon will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the city.	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Wauseon will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the city.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Wauseon will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability, or where new construction would change runoff and absorption, causing a flooding issue.	Public Works Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☒ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Wauseon will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding	Public Works Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: don't happen % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Wauseon will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Wauseon will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Wauseon will work to incorporate city mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: OSU Extension, Eric Richer

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ Steps to protect against agressive intruders on cyber security
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: OSU Extension - Eric Richer

richer.5@osu.edu

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)	
1. Dam/Levee Failure	Ø	but several county bridges need improved
2. Drought/Extreme Heat	3	
3. Earthquakes	Ø	
4. Floods	3-4	Reference summers 2015 & 2019
5. Thunderstorms	4	Similar group
6. Tornadoes	4	
7. Windstorms	4	
8. Winter Storms	3	

Needs to be moved up -

Possible Additional Hazards	Priority Ratings (0-5)	
9. Hazardous Materials	3	Agriculture & Petroleum
10. Invasive Species	2	
11. Landslides, Erosion, Mine Subsidence	1	Erosion only associated with soil removal
12. Terrorism	2-3	
13. Utility Failure	3	
14. Wildfire	Ø	

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?* See above
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Adds: ① Intruders, Active shooters, bomb threats, etc 3

② Cyber security - bigger & bigger issue 4

Health Epidemic 2

PREVIOUS MITIGATION ACTIONS STATUS

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2014-2019").

Please include remarks for each mitigation action for which you enter a status. Remarks should address:

- Completed: If the action was completed, when was it complete? Where was it enacted? Did it have the intended results? Did it achieve the goals outlined in the plan? What factors contributed to success?
- Not Completed: If the action was not completed, what were the barriers to implementation? For instance, was there a lack of political support, funding, staff availability, or other obstacle? Should the action be included in the updated mitigation strategy (yes or no)?

- Improved Agricultural drainage (outlets, mains, ditches) in anticipation of being better prepared for heavy, infrequent storms (ie 2015, 2019)
  - Widening of ditches
  - Larger Outlets
- Preparedness for Active Shooters (Schools)

FULTON COUNTY

NAME: Eric Pierce POSITION: UGA Extension

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	CWC plus?
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☑ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☒ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

FULTON COUNTY

NAME: Tim Suter POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: outreach in progress Why: ____ Why: ____ Why: ____ % Complete: ____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Homeowners/Events Why: ____ Why: ____ Why: ____ % Complete: ____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Fema map updates Why: ____ Why: ____ Why: ____ % Complete: ____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: Delete Why: _____ Why: not applicable % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Tim Suter FirstEnergy & LEPC

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	3
3. Earthquakes	1
4. Floods	4
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	5
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	2
13. Utility Failure	4
14. Wildfire Epidemic — 3	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

- Train Derailment
- Gas Pipeline Leak
- Anhydrous Leak
- Plane Crash
- Electromagnetic Pulse

Name & Organization: Tim Suteiz - First Energy / LEPC

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Does each jurisdiction mean political subdivisions?

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ Bench Mark against other County Hazmat plans
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Mike Plaza Weatherford Industries

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3
2. Drought/Extreme Heat	4
3. Earthquakes	0
4. Floods	4
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	3
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	1
13. Utility Failure	5
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

- Water System Lacks Engineered ability to keep up with all Reasonably foreseeable Emergencies. (metal fire)
- With industrial growth comes increased risk of Hazardous Chemicals, Agriculture also High potential for ~~Haz~~ Hazardous material incidents

Confined Space Rescue Training & Equipment
Water Resources

Name & Organization: Mike Panza Watershed for Industries

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☐ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Please add Reference to maintaining sufficient Water Supplies by Engineered Solution in event of reasonably foreseeable Emergencies (Business Losses due to Lost Production due to fire at Metalx 2018)

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

METAL-X fire exposed room for improvement in water system. Many businesses had to shut down production, open up ponds, etc to deal w/ the emergency.

No local emergency responders are trained/equiped to respond to confined space emergencies; this is a real hazard to communities with agriculture (bins, trenches, pits) as well as industrial complexes.

VILLAGE OF DELTA

NAME: Mike Pence POSITION: Worthington Industries EHS

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Delta will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: no visible change/aware of % Complete: ____	needs more work on water system Based on map x Age Results during response
1.2 Delta will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: Recent construction water plant	use of contractors, Visible site inspections
1.3 Delta will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: Unaware of programs here % Complete: ____	Unknown
1.4 Delta will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: See above % Complete: ____	See above
1.5 Delta will work to prevent flood damage to property in low-lying areas where runoff water collects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: See above % Complete: ____	See above
2.1 Delta will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Village Administrator	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: See above % Complete: ____	See above

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Delta will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Delta will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Delta will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	new to Role not much information on historical expenses
2.5 Delta will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Delta will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Delta will control development in floodplains by enforcing floodproofing standards.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Delta will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.4 Delta will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Delta will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the county.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Delta will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	new To role; not much Historical Knowledge
4.3 Delta will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Delta will advocate, support, and install retention and detention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.5 Delta will advocate, support, and install retention/detention ponds in new development to mitigate development-caused flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.6 Delta will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.4 Delta will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Delta will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the county.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Delta will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	new to role; not much flooding
4.3 Delta will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Knowledge
4.4 Delta will advocate, support, and install retention and detention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Delta will advocate, support, and install retention/detention ponds in new development to mitigate development-caused flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.6 Delta will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.4 Delta will establish, maintain, and adopt maps for flood prone areas and maintain NFIP and FIRM standards for flood zone mapping	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.1 Delta will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the county.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.2 Delta will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within the village.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	NEW To Role; not much Historical Knowledge
4.3 Delta will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.4 Delta will advocate, support, and install retention and detention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.5 Delta will advocate, support, and install retention/detention ponds in new development to mitigate development-caused flash flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	
4.6 Delta will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.1 Delta will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Village Administrator	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: No Alarm Demo needed % Complete: _____	DO NOT KNOW IF THIS WOULD INCLUDE PUBLIC AWARENESS/ EVACUATION, ETC. SAY NO MOVEMENT ON THIS ALARM DEMO needed X
5.2 Delta will engage in public information and outreach projects that help residents know what to do in an emergency.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNAWARE of any recent outreach/
5.3 Delta will work to require full disclosure of disaster vulnerability data on real estate during transfer or sale activities.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☑ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNK

Name & Organization: Eric Smola Evergreen Local Schools

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Eric Smola, Evergreen Local Schools

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	5
3. Earthquakes	2
4. Floods	3
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	4

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	5
10. Invasive Species	4
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	1
13. Utility Failure	4
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 4

FULTON COUNTY

NAME: ERIC SMOLA POSITION: Superintendent

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Shared with Wood Co.
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	Education + Outreach
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	Civic Ready
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	Permits
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: 2	Permits / Regulations

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 5	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 5	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: 5	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: Gina Rossman / United Way of Fulton County

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

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☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Gina Rossman / United Way of Fulton County

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	1
2. Drought/Extreme Heat	4
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	4
8. Winter Storms	5

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4
10. Invasive Species	2
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	2
13. Utility Failure	3
14. Wildfire	1

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

FULTON COUNTY

NAME: POSITION:

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
1.5 Fulton County will work to prevent flood damage to property in low lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: Why: Why: Why: % Complete:	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Name & Organization: CLAIRE SUTTON SANDER WOODWORKING

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County. & IMPROVE RESILIENCE

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally-engineered solutions to lessen the damages to ~~property~~ INFRASTRUCTURE in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: CLAIRE SUTTON SAUDER WOODWORKING

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	3 → WHEN WERE THOSE DAMS BUILT
2. Drought/Extreme Heat	3
3. Earthquakes	1/0
4. Floods	2
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	2
8. Winter Storms	3
Possible Additional Hazards	**Priority Ratings (0-5)**
9. Hazardous Materials	4
10. Invasive Species	5
11. Landslides, Erosion, Mine Subsidence	5
12. Terrorism	2
13. Utility Failure	5
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

ENVIRONMENTAL
- EROSION, LANDSLIDES, INVASIVE SPECIES
- DRINKING WATER CONTAMINATION
- LAND DEGRADATION

PHYSICAL
- UTILITY FAILURE
- HAZ. MATERIALS
- DAM/LEVEE FAILURE
- TRAIN DERAILMENT

WEATHER
- EXTREME WEATHER EVENTS

EPIDEMIC - 2

VILLAGE OF ARCHBOLD

NAME: CLAIRE SUTTON POSITION: ENV. SCIENTIST @ SAUDER WOODWORKING

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Archbold will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Archbold will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in the village.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Archbold will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	Planning/ Zoning Inspector	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Archbold will identify and search out methods to assist individual property owners to implement individual protective actions.	Planning/ Zoning Inspector	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Archbold will work to elevate areas of roadways and other critical infrastructure so that heavy precipitation and/or runoff does not collect and prevent use.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Archbold will develop and implement land use planning standards that take into consideration damages that would occur as a result of natural disasters.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Archbold will develop, adopt, implement, and enforce zoning regulations	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Archbold will control new development inside established floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Archbold will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	Village Administrator	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Archbold will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Archbold will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Wastewater Superintendent	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Archbold will control development in floodplains by enforcing flood-proofing standards.	Planning/ Zoning Inspector	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.3 Archbold will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	Planning/ Zoning Inspector	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

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5.3 Archbo village mit other deve planning a county.

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
4.1 Archbold will repair and maintain, or advocate for such when not owned/ controlled by the village, any dams, dikes, and floodwalls in the village.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Archbold will advocate for, support, and facilitate construction of dams and reservoirs to contain storm water in private and public projects.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Archbold will advocate for, support, and facilitate construction of floodwalls, dikes, and levees where such structures can provide flood control.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Archbold will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the village.	Wastewater Superintendent	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.5 Archbold will advocate for, support, and conduct as appropriate channelization modifications and maintenance, or channel diversion, to lessen the likelihood of flooding.	Village Administrator	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Archbold will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.2 Archbold will engage in public information and outreach projects that help residents know what to do in an emergency.	Mayor	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.3 Archbold will work to incorporate village mitigation planning actions into other development and regulation planning and implementation in the county.	Planning Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

I AM NEW TO MY POSITION & THIS COUNTY I'm UNFAMILIAR WITH THESE. NOT HELPFUL. SORRY

Name & Organization: Bryan Smith Fairlawn Haven

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

_____

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

_____

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

_____

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

_____

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

_____

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Bryan Smith Fairlawn Haven

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	2
2. Drought/Extreme Heat	3
3. Earthquakes	1
4. Floods	2
5. Thunderstorms	4
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	3

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	1
10. Invasive Species	1
11. Landslides, Erosion, Mine Subsidence	1
12. Terrorism	2
13. Utility Failure	3
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- *Are there any hazards not listed that you would like to see included in the 2020 plan?*

Epidemic 3

FULTON COUNTY

NAME: Jordan Smith - Fairburn Mayor POSITION: Compliance Manager

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
1.1 Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.2 Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.	Regional Planning Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.3 Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.4 Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.	EMA Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
1.5 Fulton County will work to prevent flood damage to property in low-lying areas where runoff water collects.	Floodplain Manager	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.1 Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
2.2 Fulton County will develop, adopt, implement, and enforce consistent zoning regulations in all areas of the county to protect natural resources and property from disaster damages.	Regional Planning Director	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.3 Fulton County will adopt, maintain, and enforce floodplain regulations and flood insurance mapping consistent with FEMA's floodplain management standards.	Regional Planning Director	7/1/15-6/30/17	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.4 Fulton County will identify, evaluate, and determine how proactive mitigation efforts can be supported through grants, fees, and other methods of financial support.	EMA Director	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.5 Fulton County will identify and utilize acquisition/relocation program to eliminate the damages from flooding to any repetitive or severe repetitive loss properties.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2.6 Fulton County will review, implement, and evaluate their storm water management plan for the purpose of flood and flash flood prevention.	County Engineer	7/1/15-6/30/18	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.1 Fulton County will advocate for, establish, maintain, or restore natural habitat where natural habitat will serve to provide a buffer zone for riverine or flash flooding.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.2 Fulton County will control development in floodplains by enforcing flood-proofing standards.	Floodplain Manager	7/1/15-6/30/16	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
3.3 Fulton County will consider advocating for and/or utilizing vegetative buffer zones and fire-resistant landscaping in new commercial construction.	County Commissioners	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☒ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3.4 Fulton County will establish, maintain, and adopt maps for flood-prone areas and maintain NFIP and FIRM standards for flood zone mapping.	Floodplain Manager	7/1/15-6/30/20	☒ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☐ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.1 Fulton County will repair and maintain, or advocate for such when not owned/controlled by the county, any dams, dikes, and floodwalls in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.2 Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.3 Fulton County will evaluate, maintain, repair, and improve storm sewers and flood water management structures in the County.	County Engineer	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4.4 Fulton County will install retention ponds where floodwaters are likely or have a history of forming, and a retention pond would eliminate the vulnerability.	Soil and Water Conservation	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.1 Fulton County will maintain and improve warning and notification systems as necessary and as funding exists by replacing and updating hardware and software as needed.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

Mitigation Action (Strategy)	Lead Agency	Date Range	Status	Remarks	Comments
5.2 Fulton County will engage in public information and outreach projects that help residents know what to do in an emergency.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5.3 Fulton County will work to incorporate mitigation planning actions into other development and regulation planning and implementation in the County.	EMA Director	7/1/15-6/30/20	☐ Completed ☐ Deleted ☐ Deferred ☐ Unchanged ☒ Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	

#15

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Saturday, October 19, 2019 11:15:43 AM
Last Modified:	Saturday, October 19, 2019 11:47:52 AM
Time Spent:	00:32:09
IP Address:	74.139.156.108

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Kenneth "Skip" Leupp**
Organization/Agency	**German Township**
Title/Position	**Trustee**
Email Address	**skipliz@roadrunner.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.	**Keep goal as written with no modifications**
Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.	**Keep goal as written with no modifications**
Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.	**Keep goal as written with no modifications**
Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.	**Keep goal as written with no modifications**
Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.	**Keep goal as written with no modifications**

Q7 If there is a new goal that should be included, please type that goal below

New Goal 1	**Response to a school shooting**
New Goal 2	**terrorist attck**
New Goal 3	**Dirty bomb**

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Respondent skipped this question

Q10 Possible Additional Hazards

Respondent skipped this question

Q11 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question

Name & Organization: Jack Wagner - Pike Twp. Board of Trustees

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

0 = Not a Priority/Remove
1 = Lowest Priority
2 = Low-Medium Priority
3 = Medium Priority
4 = Medium-High Priority
5 = Highest Priority

2015 Hazards	Priority Ratings (0-5)
1. Dam/Levee Failure	0
2. Drought/Extreme Heat	2
3. Earthquakes	0
4. Floods	3
5. Thunderstorms	3
6. Tornadoes	4
7. Windstorms	3
8. Winter Storms	5

Weather

Possible Additional Hazards	Priority Ratings (0-5)
9. Hazardous Materials	4 - including H.P. gas lines
10. Invasive Species	~~2~~ 1
11. Landslides, Erosion, Mine Subsidence	0
12. Terrorism	~~2~~ 3
13. Utility Failure	4
14. Wildfire	2

Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- ***Are there any hazards not listed that you would like to see included in the 2020 plan?***

Hy Way disruptions - deverting large volumes of traffic during a disaster

Shelter for residents during conditions of evacuation + food water

Epidemic - 3

#20

INCOMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, November 28, 2019 7:27:38 PM
Last Modified:	Thursday, November 28, 2019 7:31:42 PM
Time Spent:	00:04:04
IP Address:	71.213.162.31

Page 1: Survey Purpose

Q1 Name and Organization

Name	**JAck Wagner**
Jurisdiction/ Organization	**Pike Twp.**
Title/Position	**Trustee**
Email Address	**wagnerj@centurylink,net**

Page 2: Mitigation Action Scoring Matrix

Q2 Which community are you representing?

Township or Other Community (please specify):
Pike Twp.

Page 3: Fulton County

Q3 Multiple Hazards Action 1: Fulton County will encourage property owners to protect their properties against loss from disasters through individual preventative actions.

Respondent skipped this question

Q4 Multiple Hazards Action 2: Fulton County will identify and search out methods to assist individual property owners to implement individual protective actions for sheltering-in-place.

Respondent skipped this question

Q5 Multiple Hazards Action 3: Fulton County will work to develop, implement and enforce building codes and construction standards as a guideline for economic development in Fulton County.

Respondent skipped this question

Q6 Multiple Hazards Action 4: Fulton County will develop and implement land use planning standards that prevent damages from occurring as a result of extreme natural hazards or disasters.

Respondent skipped this question

Q37 Flooding Action 16: Fulton County will identify structure inventory for properties at-risk to flood (specifically properties located in the special flood hazard area/1% annual chance area).	**Respondent skipped this question**
Q38 Hazardous Materials Action 1: Fulton County will update existing alarm systems to warn about hazardous materials spills.	**Respondent skipped this question**
Q39 Hazardous Materials Action 2: Fulton County will complete a commodity flow study for Fulton County.	**Respondent skipped this question**
Q40 Hazardous Materials Action 3: Fulton County will maintain an inventory of hazardous waste generators and storage facilities in GIS.	**Respondent skipped this question**
Q41 Hazardous Materials Action 4: Fulton County will prepare an emergency response plan for hazardous materials spills.	**Respondent skipped this question**
Q42 Invasive Species Action 1: Fulton County will develop a public awareness campaign to heighten awareness of locally occurring invasive species, including how to spot them and to prevent their distribution.	**Respondent skipped this question**
Q43 Landslide, Erosion, and Mine Subsidence Action 1: Fulton County will identify and map erosion hazard areas.	**Respondent skipped this question**
Q44 Severe Summer Storms Action 1: Fulton County will require structures on temporary foundations to be anchored to permanent foundations.	**Respondent skipped this question**
Q45 Severe Summer Storms Action 2: Fulton County will install and maintain surge protection on critical electronic equipment.	**Respondent skipped this question**
Q46 Severe Summer Storms Action 3: Fulton County will provide educational materials to school children about the safety procedures during severe summer storms.	**Respondent skipped this question**
Q47 Severe Winter Weather Action 1: Fulton County will plan for and maintain adequate road and debris clearing capabilities.	**Respondent skipped this question**

Q48 Severe Winter Weather Action 2: Fulton County will plant tree lines or other vegetation to limit blowing or drifting of snow onto critical roadways.	**Respondent skipped this question**
Q49 Terrorism Action 1: Fulton County will install bollards to block roadways during public events, such as festivals and parades.	**Respondent skipped this question**
Q50 Terrorism Action 2: Fulton County will require active shooter training exercises in public schools and government facilities.	**Respondent skipped this question**
Q51 Tornadoes/Windstorms Action 1: Fulton County will construct community safe rooms.	**Respondent skipped this question**
Q52 Tornadoes/Windstorms Action 2: Fulton County will encourage or require tornado safe room construction in mobile home parks, shopping centers, fairgrounds, and other vulnerable public structures.	**Respondent skipped this question**
Q53 Tornadoes/Windstorms Action 3: Fulton County will promote enhanced anchoring of manufactured homes.	**Respondent skipped this question**
Q54 Tornadoes/Windstorms Action 4: Fulton County will encourage or require wind engineering measures and construction techniques, such as structural bracing, impact-resistant glass, and interlocking roof shingles.	**Respondent skipped this question**
Q55 Tornadoes/Windstorms Action 5: Fulton County will distribute information about the locations of tornado shelters.	**Respondent skipped this question**
Q56 Utility Failure Action 1: Fulton County will develop, design, and implement mitigation actions to harden utility service and ensure that utilities will be dependable even during extreme weather conditions.	**Respondent skipped this question**
Q57 Utility Failure Action 2: Fulton County will advocate for, support, and facilitate the proper maintenance and improvement of utility lines within Fulton County.	**Respondent skipped this question**
Q58 Utility Failure Action 3: Fulton County will install power generators in public buildings.	**Respondent skipped this question**

Name & Organization: Jack E Wagner / Pike Twp Board of Trustees

GOALS SURVEY

It is important to revisit the goals and objectives from Fulton County's 2015 Multi-Jurisdictional Natural Hazard Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals are still relevant. If a goal is still applicable as written, please check (√) the box; if the goal or objective(s) needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2015 Plan)

☑ Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Jack Wagner - Pike Twp Board of Trustees

☑ Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

☑ Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

☑ Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

☑ Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

How will this be broadcast?

New Goals

If there are new goals that should be included, please write them on the lines below.

- ☐ water quality
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

Name & Organization: Jack Wagner - Pike Twp. Board of Trustees

HAZARD PRIORITIES

Instructions:

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Weather

Possible Additional Hazards	Priority Ratings (0-5)
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13. Utility Failure	4
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Additional Comments

- *Please consider how the hazards are grouped – should any be grouped together? Should any be made into its own category?*
- ***Are there any hazards not listed that you would like to see included in the 2020 plan?***

Hy Way disruptions - deverting large volumes of traffic during a disaster

Shelter for residents during conditions of evacuation + food water

Epidemic - 3

#23

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, October 21, 2019 4:33:58 PM
Last Modified: Monday, October 21, 2019 4:41:03 PM
Time Spent: 00:07:04
IP Address: 40.133.168.110

Page 1: Survey Instructions

Q1 Name and Organization

Name	**Robert Trowbridge**
Organization/Agency	**York Township**
Title/Position	**Trustee**
Email Address	**btrowbridge@hotmail.com**

Page 2: Goals Survey

Q2 Goal 1: Fulton County and each jurisdiction will develop, design, and implement property protection projects to reduce vulnerability to natural disaster incidents in Fulton County.

Respondent skipped this question

Q3 Goal 2: Fulton County and each jurisdiction will take action to prevent vulnerability to natural disasters in Fulton County.

Respondent skipped this question

Q4 Goal 3: Fulton County and each jurisdiction will protect natural resources as a way to prevent losses from natural disasters.

Respondent skipped this question

Q5 Goal 4: Fulton County and each jurisdiction will utilize structurally engineered solutions to lessen the damages to property in the County due to disasters and extreme weather incidents.

Respondent skipped this question

Q6 Goal 5: Fulton County and each jurisdiction will implement public information and outreach actions that inform residents of Fulton County about hazards, response and protective actions, and prevention measures.

Respondent skipped this question

Q7 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q8 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q9 Hazards included in 2015 Plan

Dam/Levee Failure	**Lowest Priority**
Drought/Extreme Heat	**Medium Priority**
Earthquakes	**Lowest Priority**
Floods	**Medium Priority**
Thunderstorms	**Medium-High Priority**
Tornadoes	**Highest Priority**
Windstorms	**Highest Priority**
Winter Storms	**Medium-High Priority**

Q10 Possible Additional Hazards

Hazardous Materials	**Highest Priority**
Invasive Species	**Medium Priority**
Landslides, Erosion, Mine Subsidence	**Lowest Priority**
Terrorism	**Medium-High Priority**
Utility Failure	**Medium Priority**
Wildfire	**Lowest Priority**

Q11 Please provide any additional comments about these hazards.

Need to look at rail and turnpike and what is being transported

Page 4: Survey Complete!

Q12 General Comments

Respondent skipped this question