

## 9.1 WYOMING COUNTY

This section presents the jurisdictional annex for Wyoming County. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the county and who in the county participated in the planning process; an assessment of Wyoming County’s risk and vulnerability; the different capabilities utilized in the county; and an action plan that will be implemented to achieve a more resilient community.

### 9.1.1 Hazard Mitigation Planning Team

The following individuals have been identified as the county’s hazard mitigation plan primary and alternate points of contact.

**Table 9.1-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Brian Meyers, Director of Fire and Emergency Management Address: 151 North Main St., Warsaw, NY 14569 Phone Number: (585) 786-8867 Email: <a href="mailto:bmyers@wyomingco.net">bmyers@wyomingco.net</a>	Name/Title: Sylvia Previty, Administrative Assistant, Emergency Services Address: 151 North Main St., Warsaw, NY 14569 Phone Number: (585) 786-8867 Email: <a href="mailto:sprevity@wyomingco.net">sprevity@wyomingco.net</a>
NFIP Floodplain Administrator	
Name/Title: Don Roberts, Wyoming County Code Enforcement Officer Address: 36 Center Street, Suite C, Warsaw, NY 14569 Phone Number: 585-786-8820 Email: <a href="mailto:droberts@wyomingco.net">droberts@wyomingco.net</a>	

### 9.1.2 County Profile

Wyoming County is described in detail in Section 4 of the HMP.

### 9.1.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.1-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. Section 5 (Risk Assessment) identifies the geographically-delineated hazard areas within Wyoming County. The County Profile (Section 4) maps the locations of potential new development, where available.

**Table 9.1-2. Recent and Expected Future Development**

Type of Development	2014		2015		2016		2017		2018	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>										
	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>
Single Family	36	0	31	0	55	0	54	0	47	0
Multi-Family	1	0	1	0	0	0	1	0	1	0
Other (commercial, mixed-use, etc.)	665	2	670	2	656	2	661	2	624	3
<b>Total</b>	<b>702</b>	<b>2</b>	<b>702</b>	<b>2</b>	<b>711</b>	<b>2</b>	<b>716</b>	<b>2</b>	<b>672</b>	<b>3</b>
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development		
<b>Recent Major Development and Infrastructure from 2014 to Present</b>										
2014, Bright	Residential	1		4046 Lakeside Ave, Castile 112.5-1-75		A		Completed		
2014, Pike Library	Commercial	1		65 Main St, Pike		A		Completed		
2015, Smith	Residential	3		3654 Davis Ave, Perry 100.10-3-11		A		Completed		
2015, Kreutter	Residential	1		849 Schoellkopf Rd, Bennington 29.-1-63		A		Completed		
2016, Heubusch	Residential	2		14 Eberstein Tract, Perry 100.5-1-6		A		Completed		
2016, McClurg	Residential	1		6 Eberstein Tract, Perry 100.5-1-4		A		Completed		
2017, Gouinlock Cottage, LLC	Residential	1		3823 Country Club Ext, Castile 100.17-1-1		A		Completed		
2017, Murray	Residential	1		6667 Private Dr, Castile 123.8-1-6		A		Completed		
2018, Thrasher	Residential	2		3822 (103) Euclid Ave, Castile 100.18-2-3		A		Completed		
2018, Bellamy	Residential	1		4101 Traber Rd, Castile 111.12-2-18.2		A		Completed		
2018, Fitch	Residential	1		3780 Euclid Ave, Perry 100.14-1-35		A		Completed		
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>										
EmKay Corporation	Commercial	1		58 Church St, Arcade 183.9-1-32.2		A		Proposed		
Washington Blvd LLC	Commercial	1		90 Washington Blvd, Perry 100.10-2-1		A		Proposed		

SFHA Special Flood Hazard Area (1% flood event)  
 \* Only location-specific hazard zones or vulnerabilities identified.

### 9.1.4 Capability Assessment

Wyoming County performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 9.1.4 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community’s adaptive capacity for the impacts of climate change.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized in Capability Assessment (Section 9.1.4). Wyoming County identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy. Appendix G provides the results of the planning/policy document review and the answers to integration survey questions.

#### Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the county and where hazard mitigation has been integrated.

**Table 9.1-3. Planning, Legal, and Regulatory Capability**

	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action?	If yes, add Mitigation Action #.
<b>Codes, Ordinances, &amp; Requirements</b>							
Building Code	Yes	Administering and Enforcing the New York State Uniform Fire Prevention and Building Code Within the County of Wyoming, Local Law No 8, 1984, as amended	County	Wyoming County Fire and Building Codes	Yes	Yes	-
Comment: None							
Zoning Code	No	-	Local	-	No	-	-
Comment: Land use control lies at the local municipal level, not county level							
Subdivisions	No	-	Local	-	No	-	-
Comment: None							
Stormwater Management	No	-	-	-	Yes	-	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
Comment: None							
Post-Disaster Recovery	No	-	-	-	No	-	-
Comment: None							
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent	Yes	Yes	-
Comment: None							
Growth Management	No	-	-	-	No	-	-
Comment: None							
Site Plan Review	Yes	NYS Conservation Districts Law November 1940.	Under direction of NYSDAM	SWCD	No	Yes	-
Comment: None							
Environmental Protection	Yes	Provide for the Protection, Preservation and Conservation of the Freshwater Wetlands within its Boundaries, Local Law 8, 1976 (as amended). Also NYS Conservation Districts Law – direction of NYSDAM.	County	Various	Yes	Yes	-
Comment: None							
Flood Damage Prevention	Yes	Local Law 1, 2007	County	Wyoming County Building Codes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Yes	2021- Wyoming County-001
Comment: The county does not have its own Flood Damage Prevention Ordinance, but provides floodplain administration for its municipalities.							
Municipal Separate Storm Sewer System (MS4)	No	-	Local Level (Arcade, Perry, Warsaw)	-	Yes	-	-
Comment: None							
Emergency Management	Yes	NYS Executive Law Article 2-B	State, County	OEM	Yes	Yes	-
Comment: The following codes and plans refer to the Emergency Management code/ordinance: Disaster Mitigation Act of 2000, 44 CFR (Code of Federal Regulations, Title 44), Robert T Stafford Disaster Relief and Emergency Assistance Act of 1974 (Stafford Act PL 93-288), Federal Civil Defense Act of 1050, Presidential Executive Order 11490, Superfund Amendments & Reauthorization Act of 1986 (Public Law 99-499), Title III – Emergency Planning and Community Right to Know Act of 1986, NYS Defense Emergency Act. The Wyoming County Comprehensive Emergency Management Plan, Resolution #04-23 1/13/2004 refers to the NYS Executive Law Article 2-B.							
Climate Change	Yes	NYS Conservation Districts Law November 1940	Under the Direction of NYSDAM	SWCD	Yes	Yes	-
Comment: None							
Disaster Recovery Ordinance	No	-	-	-	No	-	-
Comment: None							
Disaster Reconstruction	No	-	-	-	No	-	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action?	If yes, add Mitigation Action #.
Ordinance							
Comment: None							
Other	No	-	-	-	-	-	-
Comment: None							
<b>Planning Documents</b>							
Comprehensive Plan	No	-	-	-	- No	-	-
Comment: None							
Capital Improvement Plan	Yes	Wyoming County Buildings and Grounds Capital Improvement Plan, August 2019	County	Wyoming County Buildings and Grounds	No	Yes	-
Comment: None							
Disaster Debris Management Plan	Yes	Wyoming County Debris Management Plan, February 2009	County	Emergency Services	No	Yes	-
Comment: None							
Floodplain or Watershed Plan	No	-	-	-	No	-	-
Comment: None							
Stormwater Plan	No	-	-	-	No	-	-
Comment: None							
Open Space Plan	No	-	-	-	Yes	-	-
Comment: None							
Urban Water Management Plan	No	-	-	-	No	-	-
Comment: None							
Habitat Conservation Plan	No	-	-	-	No	-	-
Comment: None							
Economic Development Plan	No	-	-	-	No	-	-
Comment: None							
Shoreline Management Plan	No	-	-	-	Yes	-	-
Comment: None							
Community Wildfire Protection Plan	No	-	-	-	No	-	-
Comment: None							
Forest Management Plan	No	-	-	-	No	-	-
Comment: None							
Transportation Plan	No	-	-	-	No	-	-
Comment: None							
Agriculture Plan	No	-	-	-	Yes	-	-
Comment: None							
Other (this could include a climate action plan, tourism plan, business development plan, etc.) Stream maintenance	Yes	Stream Maintenance Program	County	Wyoming County Soil and Water Conservation	No	Yes	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
program							
Comment: County SWCD has a program and does selective maintenance whenever possible.							
Enforcement of State/Federal Stormwater Phase II requirements	Yes	Enforcement of State/Federal Stormwater Phase II requirements	County, State, Federal	County Soil and Water Conservation	No	Yes	-
Comment: Construction site and construction permit inspection conducted by the County SWCD at the request of NYSDEC. SWCD is available to review and assist with stormwater management plans.							
Control In Stream Sedimentation And/ Or Clear Debris	Yes	Control In Stream Sedimentation And/ Or Clear Debris	County, State, Federal	County Soil and Water Conservation	No	Yes	-
Comment: SWCD maintains a General Stream Permit with the NYSDEC to allow landowners and municipalities to conduct stream protection projects such as bank stabilization and debris removal, etc. SWCD has done inventories of streams to identify locations where tree/debris removal is needed. SWCD can assist with permit applications for the NYSDEC and U.S. Army Corps of Engineers Stream Permit Programs and provide technical assistance in the implementation. Providing assistance to farms with Erosion & Sediment Control through Great Lakes Commission & NYS Ag & Markets Grants.							
<b>Additional</b>	Yes	Countywide-GLOW	County	GLOW Region Solid Waste Management Committee, in cooperation with GLOW Region Soil and Water Conservation, Farm Bureau and Cornell Cooperative Extension offices, farm pesticide collection programs	No	Yes	-
Comment: Countywide-GLOW Region Solid Waste Management Committee, in cooperation with GLOW Region Soil and Water Conservation, Farm Bureau and Cornell Cooperative Extension offices, farm pesticide collection programs; Household Hazardous Waste programs held.							
<b>Response/Recovery Planning</b>							
Comprehensive Emergency Management Plan	Yes	Wyoming County Comprehensive Emergency Management Plan, Resolution #04-23 1/13/2004	County	OEM	Yes	Yes	-
Comment: The following plans or codes are referred to in the Comprehensive Emergency Management Plan: Evacuation Annex, Debris Management Plan, Fire Mutual Aid Plan, Functional Needs Shelter Plan, Commodity Point of Distribution Plan, EMS Mutual Aid Plan, Public Health Emergency Preparedness and Response Plan, Hazardous Materials Response Plan, Multi-Jurisdictional All-Hazards Mitigation Plan, Continuity of Operations Plan							
Strategic Recovery Planning Report	No	-	-	-	-	-	-
Comment: None							
Threat & Hazard Identification & Risk Assessment (THIRA)	Yes	Wyoming County Emergency Preparedness Assessment, August 2018	County	OEM	Yes	Yes	-
Comment: None							
Post-Disaster Recovery Plan	No	-	-	-	No	-	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
Comment: None							
Continuity of Operations Plan	Yes	Wyoming County Continuity of Operations Plan, Res. No. 13-50, February 2013 (as amended)	County	All County Departments	No	Yes	-
Comment: The following plans or codes are referred to in the Continuity of Operations Plan: Departmental Continuity or Contingency Plans							
Public Health Plan	Yes	Wyoming County Public Health Emergency Preparedness and Response Plan, April 2006 (as amended)	County	Public Health	No	Yes	-
Comment: The following plans or codes are referred to in the Public Health Plan: Alternate Care Site Plan, Commodity Point of Distribution, Hazardous Materials Plan, Continuity of Operations, Radiological Response Plan, Environmental Health Emergency Preparedness and Response Plan, Isolation and Quarantine Protocol, Smallpox Plan, Pandemic Flu Plan, Mass Fatality Plan, Medical Countermeasures Clinical Operations Plan, Public Health Asset Distribution Plan, CHEMPACK, Public Information and Risk Communications Plan							
Other	No	-	-	-	- No	-	-
Comment:							

**Table 9.1-4. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Response Yes/No; Provide further detail
Development Permits. If yes, what department?	Yes – Health Department, Fire and Building Codes, Board of Supervisors, Clerks Office
Permits are tracked by hazard area. For example, floodplain development permits.	Yes – by hazard area to determine what needs to be done. Per State Uniform Code. Wyoming County Local Law 1, 2007
Buildable land inventory If yes, please describe If no, please quantitatively describe the level of buildout in the jurisdiction.	Yes, by each Zoning Board. Real Property has inventory of available land.

**Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to Wyoming County.

**Table 9.1-5. Administrative and Technical Capabilities**

Resources	Available? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Wyoming County Planning and Development / William Daly, Director. Also Wyoming County SWCD
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Along with Wyoming County SWCD
Open Space Board/Committee	No	-
Economic Development Commission/Committee	Yes	Wyoming County Planning and Development / William Daly, Director



Resources	Available? (Yes or No)	Department/ Agency/Position
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	Wyoming County Sheriffs, Emergency Services, Health Department all maintain capability to send emergency alert messages
Maintenance programs to reduce risk	Yes	Wyoming County Buildings and Grounds, Highway
Mutual aid agreements	Yes	Emergency Services, Health Department and Wyoming County Community Health System all have mutual aid agreements. Fire Departments and EMS are part of State mutual aid agreement. Public Works have agreements to share equipment. All town and village fire departments have a mutual aid agreement where assistance from the Wyoming County Soil and Water Conservation District is provided to other municipalities in need
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Local level, local planning boards, Wyoming County SWCD
Engineers or professionals trained in building or infrastructure construction practices	Yes	Wyoming County Building Codes
Planners or engineers with an understanding of natural hazards	No	-
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	Yes	Wyoming County Building Codes
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	GIS training (Environmental Health, Zoning)
Scientist familiar with natural hazards	No	-
NFIP Floodplain Administrator (FPA)	Yes	Wyoming County Fire and Building Codes, Code Enforcement Officer, Don Roberts
Surveyor(s)	No	-
Emergency Manager	Yes	Wyoming County Emergency Services, Director of Fire and Emergency Management, Brian Meyers
Grant writer(s)	Yes	Wyoming County SWCD
Resilience Officer	No	-
Other	Yes	Wyoming County Soil and Water Conservation District

### Fiscal Capability

The table below summarizes financial resources available to Wyoming County.

**Table 9.1-6. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No (specific to municipality)
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes (we haven't)
Incur debt through private activity bonds	I believe that would be not-for-profit



Financial Resources	Accessible or Eligible to Use (Yes/No)
Withhold public expenditures in hazard-prone areas	Subject to BOS approval
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	Never pursued
Other	No (specific to municipality) I believe PHD has used for septic in vulnerable watershed areas (Java Lake and Silver Lake)

### Education and Outreach Capability

The table below summarizes the education and outreach resources available to Wyoming County.

**Table 9.1-7. Education and Outreach Capabilities**

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	No, each department is responsible for handling media/public relations
Personnel skilled or trained in website development?	No, each department maintains their website through a common vendor and platform
Hazard mitigation information available on your website; if yes, describe	Yes, mitigation information is included on Emergency Services webpage
Social media for hazard mitigation education and outreach; if yes, briefly describe.	Yes, Emergency Services does provide mitigation information via social media. SWCD Website & Facebook
Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe.	No
Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe.	LEPC
Warning systems for hazard events; if yes, briefly describe.	Yes, county website has an alerting feature, social media used by Emergency Services, Sheriff and Health Department, emergency notification system with IPAWS capabilities
Natural disaster/safety programs in place for schools; if yes, briefly describe.	Yes, Emergency Services and Sheriffs participate in some school safety committees
Other	No

### Community Classifications

The table below summarizes classifications for community programs available to Wyoming County.

**Table 9.1-8. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	4	2013
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	Varies by municipality	-
NYSDEC Climate Smart Community	No	-	-
Storm Ready Certification	No	-	-
Firewise Communities classification	No	-	-
Other	No	-	-

Note:

N/A: Not applicable

NP: Not participating

-: Unavailable

### Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

**Table 9.1-9. Adaptive Capacity**

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low*
Earthquake	Medium
Epidemic	Medium
Fire	Medium
Flood	Medium
Hazmat	Medium
Severe Storm	High
Severe Winter Storm	High
Transportation Accident	Medium
Utility Failure	Medium
Water Supply Contamination	Medium

*\*High Capacity exists and is in use*  
*Medium Capacity may exist; but is not used or could use some improvement*  
*Low Capacity does not exist or could use substantial improvement*  
*Unsure Not enough information is known to assign a rating*

### National Flood Insurance Program

The NFIP is administered at the local level through the adoption and enforcement of municipal flood damage prevention ordinances. The county has no direct responsibilities for administering the NFIP. The county provides technical assistance and guidance to its city, towns, and villages. How the NFIP is administered in each jurisdiction is described in the respective jurisdictional annexes. Information on the Flood Insurance Rate Maps (FIRM) in effect throughout the county, as well as NFIP policy and claims statistics, are included in Section 5.4.4 (Flood).

### National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for Wyoming County.

**Table 9.1-10. NFIP Summary**

Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
Wyoming County	101	88	\$1,035,034	77

Source: FEMA Region 2, 2020  
 Notes: RL Repetitive Loss

### Additional Areas of Existing Integration

**Soil and Water Conservation District:** The Soil and Water Conservation District (SWCD) can provide information and technical expertise such as: planning and design of erosion control practices, and evaluate soil conditions and data from soil surveys, recommendations regarding site plan review for significant developments. SWCD has been involved with evaluating and determining culvert upgrade needs. Several culvert stabilization projects have been identified and prioritized. The Countywide-Cornell Cooperative

Extension (CCE) and SWCD have various programs and volunteer efforts geared toward stream and ecosystem stewardship. The Wyoming County Planning Department provides expertise and assistance where possible. CCE and SWCD provide education and information relating to water, wetlands, aquifers, soil maps, flood plain areas, conservation planning, have developed several programs regarding water quality, including (but not limited to) septic system outreach, erosion and sediment control workshops, agricultural BMPs, conservation education, watershed planning and household hazardous waste. In conjunction with the W.C. Water Resources Coordinating Committee, SWCD gives a tour of recently completed projects and to illustrate and educate on conservation techniques (open to the public). County Planning Department provides expertise and assistance where possible. G/FLRPC conducts workshops with water quality sessions and does education/outreach.

### Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

#### Evacuation Routes

The primary roads and highways are the evacuation routes for Wyoming County. The route used depends on the location of the incident. The county assists with the coordination and communication of evacuation routing as necessitated by the execution of local municipal emergency operation plans. For more information on evacuation routes, refer to Section 4 (County Profile).

#### Sheltering

Wyoming County has identified the following emergency shelters to service residents during hazard events.

Site Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Hope Lutheran Church	2 E Main Street, Arcade	135	Unknown	Unknown	No	TBD	TBD
Gainesville United Methodist Church	7 S Main Street, Gainesville	TBD	Unknown	Unknown	Unknown	TBD	TBD
Attica High School	3338 E Main Rd, Attica	900	Unknown	Unknown	Yes	TBD	Commodity Point of Distribution Site
Letchworth Central School	5550 School Rd, Gainesville	1100	Unknown	Unknown	Yes	TBD	Commodity Point of Distribution Site
North Java Fire Department	4274 Rt 98 North Java	216	Unknown	Unknown	Yes	TBD	TBD
St Johns United Church of Christ	608 Centerline Rd, Sheldon	TBD	Unknown	Unknown	No	TBD	TBD
United Church of Christ	4 Washington Street, Castile	TBD	Unknown	Unknown	Unknown	TBD	TBD
Castile Baptist Church	5824 Rt 19A, Castile	TBD	Unknown	Unknown	Unknown	TBD	TBD
Perry Firemans Recreation Hall	67 Buckland Ave, Perry	100	Unknown	Unknown	Yes	TBD	TBD

Site Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Perry High School	33 Watkins Ave, Perry	TBD	Unknown	Unknown	Yes	TBD	TBD
Perry Elementary School	50 Olin Ave, Perry	TBD	Unknown	Unknown	Yes	TBD	TBD
Warsaw Middle High School	153 West Buffalo St, Warsaw	670	Unknown	Unknown	Yes	TBD	TBD
Wyoming County YMCA	115 Linwood Ave, Warsaw	75	Unknown	Unknown	No	TBD	TBD
Warsaw Elementary School	102 W Court Street, Warsaw	TBD	Unknown	Unknown	Yes	TBD	TBD
Wyoming Hook and Ladder	26 Maple St, Warsaw	TBD	Unknown	Unknown	Yes	TBD	TBD
Wyoming Central School	1225 Rt 19, Wyoming	125	Unknown	Unknown	Yes	TBD	TBD

### Temporary Housing

Wyoming County has identified the following sites which could be utilized for temporary housing of residents following a hazard event.

Site Name	Site Address	Infrastructure / Utilities Available (water, electric, septic, etc.)	Capacity (number of sites)	Type
Arcade	Arcade Village Park	None	TBD	Park
Arcade	Mockingbird Campground	Electric; Well Water	TBD	Campground
Attica	Attica Village Park	None	TBD	Park
Bennington	Bennington Park	Well Water	TBD	Campground
Castile	Castile Village Park	None	TBD	Park
Castile	Silver Lake Camps/Docks	Public Water & Sewer, Electric	TBD	Campground
Castile	Silver Lake Campsites	Public Water & Sewer, Electric	TBD	Campground
Eagle	Bliss Speedway	None	TBD	Go Kart Racetrack
Eagle	Carabell Camp (Wiscoy Haven)	Bliss Public Water, Some Electric	TBD	Campground
Gainesville	Woodstream Campground	Well Water, Some electric	TBD	Campground
Java	Faun Lake Campground	Well Water, Some electric	TBD	Campground
Java	Jellystone Park	Well Water, Some electric	TBD	Campground
Java	Kenlee Haven Campground	Well Water, Some electric	TBD	Campground
Java	Beaver Meadow Campground	Well Water, Some electric	TBD	Campground
Orangeville	Bide a Bit Campground	Well Water, Some electric	TBD	Campground
Perry	Perry Village Park	None	TBD	Park
Perry	Cornerstone Community Action	None	TBD	Parking Lot
Pike	Adventure Bound Camping Resort (Four Winds)	Well Water, Some electric	TBD	Campground
Sheldon	Buffalo Hill Campground and former concert site/campground site	Well Water, Electric (Existing campground area)	TBD	Campground / Field
Silver Springs	Silver Springs Village Park	None	TBD	Park
Strykersville	Strykersville Fire Department	None	TBD	Field next to fire hall
Warsaw	Dream Lake Campground	Well Water, Some electric	TBD	Campground
Warsaw	Warsaw Village Park	None	TBD	Park
Wyoming	Wyoming Fire Department	None	TBD	Field around firehall
Varysburg	Vincent Almeter Park	None	TBD	Park

## Permanent Housing

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Wyoming County will assist municipalities with identifying appropriate locations for the placement of permanent housing. Maps in the County Profile (Section 4) show the locations of potential new development, where available.

### 9.1.5 Hazard Event History

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Wyoming County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities.

### 9.1.6 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

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The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the county's risk assessment results and data used to determine the hazard ranking.

A gradient of certainty was developed to summarize the confidence level regarding the input used to populate the hazard ranking. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and create increased understanding of the data used to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.
- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability; majority of potential impacts are qualitative.

## Hazard Ranking

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This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Cattaraugus as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the county. The county has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the county indicated the following:

- The county agreed with the calculated hazard rankings.

**Table 9.1-11. Hazard Ranking Input**

<b>Earthquake</b>	<b>Epidemic</b>	<b>Fire</b>	<b>Flood</b>	<b>Hazmat</b>
High	High	Medium	High	Low
<b>Severe Storm</b>	<b>Severe Winter Storm</b>	<b>Transportation Accident</b>	<b>Utility Failure</b>	<b>Water Supply Contamination</b>
High	High	Low	High	Medium

Note: The scale is based on the following hazard rankings as established in Section 5.3.

### Critical Facilities

New York Department of Environmental Conservation (DEC) Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless constructed according to specific mitigation specifications, including being raised 2’ above the Base Flood Elevation (BFE). This statute is outlined at <http://tinyurl.com/6-CRR-NY-502-4>. While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 500-year flood event, or worst damage scenario. For those that do not meet this criterion, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies county-owned critical facilities located in the 1-percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event. Vulnerable critical facilities throughout the county are identified in the respective jurisdictional annexes.

**Table 9.1-12. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure	Addressed by Proposed Action
		1% Event	
None identified			

Source: Wyoming County

### Identified Issues

The county has identified the following vulnerabilities within their community:

- SWCD has been involved with evaluating and determining culvert upgrade needs. Several culvert stabilization projects have been identified and prioritized.
- Municipalities require county assistance to identify locations for temporary and permanent housing.
- General security upgrades are needed at county buildings including cameras, card access/FOBs, panic alarms in cooperation of Wyoming County Buildings and Grounds.
- Replacement and installation of dry hydrants by Wyoming County Soil and Water Conservation District and fire departments: Numerous dry hydrants across the county are no longer operational and in need of repairs or replacement. Additional dry hydrants are needed across the county to better enhance fire protection

### 9.1.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

### **Past Mitigation Initiative Status**

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The following table indicates progress on the community’s mitigation strategy identified in the 2014 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.

Table 9.1-13. Status of Previous Mitigation Actions

Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	\$0	
-	County department heads should hold routine meetings to inform and update their counterparts on current issues and projects.	All		County	Ongoing Capability	Level of Protection		1. Discontinue 2. County Department Heads meet quarterly to discuss departmental projects, countywide issues, changes in county policies, procedures, etc. 3.
-	Back-up power generators should be installed in the following facilities: Town/Village Halls; Local Police/Fire stations; County Sheriff/State Police stations; Schools; Community Centers; Waterworks, Water towers, Pump stations; Water Treatment Plants and Sewer lift stations; Hwy Dept./DPW Garages; Nursing/Group Homes.	All		County	In Progress	Level of Protection		1. Include in 2021 HMP 2. Schools have generators that can run, at a minimum, heat and primary electric county buildings have generator power 3. Water treatment plants have generator power or plans to acquire generator power
-	Several bridges should be replaced due to deterioration and for improved safety	All		County	Ongoing Capability	Level of Protection		1. Discontinue 2. 3. Ongoing Capability
-	General security upgrades are needed for local water supply infrastructure.	Water Supply Contamination, Utility Failure		County	No Progress	Level of Protection		1. Include in 2021 HMP 2. 2021-Wyoming County-004 3.
-	Encourage the protection of wetlands and aquifers wherever possible.	Flood		County	Ongoing Capability	Level of Protection		1. Discontinue 2. 3. Ongoing Capability
-	The county will collaborate with the State on earthquake hazard studies and assessments.	Earthquake		County	No Progress.	Level of Protection		1. Include in 2021 HMP 2. 3.





Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
-	The county's municipal Flood Insurance Rate Maps (FIRMs) require updates.	Flood		County	In Progress	Damages Avoided; Evidence of Success		
-	Remove abandoned railroad trestles in the county.	HAZMAT (Transit), Trans. Accident		County and Rail Companies	No Progress	Cost		1. Include in 2021 HMP 2. 3.
-	Set up a flood warning system along the Tonawanda Creek.	Flood		EMO	No Progress	Level of Protection		1. Discontinue 2. 3. No longer a priority
-	Prepare a countywide seismic vulnerability assessment.	Earthquake		EMO	No Progress	Damages Avoided; Evidence of Success		1. Include in 2021 HMP 2. National Weather Service has a gauge in the V/Attica Emergency notifications can be sent out by the county when notified via IPAWS 3.
-	Develop seismic protection plans for vulnerable critical facilities.	Earthquake		EMO	No Progress	Cost		1. Include in 2021 HMP 2. 3.
-	Prepare long term plans for maintaining and augmenting emergency service	All	County lacks personnel with	EMO	In Progress	Level of Protection		1. Include in 2021 HMP 2. OEM works with Health Department,



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Protection	Cost	
	capabilities to address the county's increasing number of elderly residents.		dedicated time and knowledge to address these concerns					Mental Health, Social Services and Office for the Aging to discuss concerns and planning purposes. Functional needs plan has been developed but focuses more on physical disabilities. Need to further evaluate concerns and response to elderly needs is required
-	Emergency service organizations need an operations plan to assist people with disabilities when an emergency event occurs after regular hours.	All	County plan lack sufficient details for addressing concerns with people with disabilities	EMO	In Progress			1. Include in 2021 HMP 2. Functional Needs plan developed but needs to be reviewed and update. Additional details are needed to respond to the needs of these individuals 3.
-	Run annual seminars with NYSOEM officials for local officials who are interested in obtaining more info on the hazard mitigation grant application process.	All	Elected officials are unfamiliar with disaster declaration process and mitigation grant / projects within their municipality and the county	EMO	Ongoing Capability; Emergency Services run these workshops every 2 years at a minimum, or annually following large turnover in elected officials			1. Discontinue 2. Public Officials workshops have been run in the past. Emergency Services intends to run these workshops every 2 years at a minimum, or annually following large turnover in elected officials 3. Ongoing Capability
-	Develop a countywide tornado shelter construction program	Storms (Ice, Winter, Severe), Tornadoes		EMO, School District	No Progress			1. Include in 2021 HMP 2. Sheltering agreements and improvements. 2021-Wyoming County-012 3.
-	Undertake Public Education/Outreach initiatives on critical local hazards, especially flooding and severe weather.	All	Lack of public involvement in planning activities	EMO, SWCD	Ongoing Capability; Emergency Services distributes weather forecasts out for upcoming weather events to municipalities, county departments and schools			1. Discontinue 2. 3. Ongoing Capability

Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
					Information is shared on preparedness and response to weather events and flooding events on social media Citizen preparedness trainings have been offered in the county and are going to be conducted, at a minimum of annually, rotating round the county Additional public outreach will continue to be conducted and improved upon.			
-	Review emergency response capabilities with regards to a major manure spill.	HAZMAT (Transit& Fixed), Trans. Accident	Emergency services does not currently have an overview of storage facilities, quantities, or an adequate plan in place to respond to a major manure spill	EMO, SWCD	No Progress	Cost		1. Include in 2021 HMP. 2. OEM will work with relevant agencies to identify sites and develop a countywide plan to respond to an incident involving liquid manure 3.
-	Replace railroad trestles that are still in use but are decaying.	HAZMAT (Transit) , Trans. Accident		Rail Companies	No Progress	Level of Protection		1. Discontinue 2. 3. No longer a priority
-	Train personnel to focus on “de-escalating” potentially violent situations in schools and public buildings.	All	Increase in violent behavior is	School Districts, NYS Police, W.C. Sheriff, Local	Ongoing Capability	Damages Avoided; Evidence of Success		1. Discontinue 2. 3. Ongoing Capability



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
			seen across the county involving various county departments and schools	Police		Damages Avoided; Evidence of Success		
-	Have school buildings upgraded so they can be used as emergency shelters.	All	Identification of suitable shelter sites with signed agreements	School Districts	In Progress	Cost		1. Include in 2021 HMP 2. Some schools have been identified as shelter sites with agreements. Sheltering is the responsibility of the Red Cross and current assessments and agreements are not up to date. 2021-Wyoming County-012 3.
					Level of Protection			
					Damages Avoided; Evidence of Success			
-	Run drills for the evacuation of schools and mass casualty incident drills.	All		School Districts	Ongoing Capability; Schools perform required drills (fire drills, lock down, early dismissal) per NYS regulations	Cost		1. Discontinue 2. 3. Ongoing Capability
					Level of Protection			
					Damages Avoided; Evidence of Success			
-	Set up a Wyoming County Drainage Program (WCDP).	Flood		SWCD	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
					Level of Protection			
					Damages Avoided; Evidence of Success			
-	Reduce erosion and sediment loss from farm fields by encouraging measures aimed at erosion and sediment control.	Flood		SWCD	Ongoing Capability	Cost		1. Discontinue 2. 3. Ongoing Capability
					Level of Protection			
					Damages Avoided; Evidence of Success			
-	An inter-municipal flood and erosion control program should be created to address flooding and erosion problems along the Oatka Creek.	Flood		SWCD	Ongoing Capability	Cost		1. Discontinue 2. 3. Ongoing Capability
					Level of Protection			
					Damages Avoided; Evidence of Success			



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
-	Work with the NYSDEC to mitigate beaver-caused flooding	Flood		SWCD	Ongoing Capability			1. Discontinue 2. 3. Ongoing Capability
-	Prepare a countywide inventory of manure storage facilities.	HAZMAT (Fixed)	Emergency Services does not have a current list of facilities with amounts on hand	SWCD	In Progress			1. Include in 2021 HMP 2. Emergency Services will work with SWCD and others to develop an inventory of these facilities to include in a response plan 3.
-	An inter-municipal flood and erosion control program should be created to address flooding and erosion problems along the Tonawanda Creek.	Flood		SWCD, Oatka Creek Watershed Committee	Ongoing Capability			1. Discontinue 2. 3. Ongoing Capability
-	Municipal Flood Plain Administrators should take advantage of training opportunities offered by the NYS DEC	Flood	Limited time available for County Floodplain Administrator to attend training	W.C. Code Enforcement	Ongoing Capability			1. Discontinue 2. 3. Ongoing Capability
-	The County Dept. of Fire & Building Codes will enforce the NYS Building Code for all new, remodeled, repaired, and expanded buildings with the aim of making such buildings more resistant to earthquakes. In general, construction and reconstruction should be designed to withstand a magnitude 6.5 earthquake.	Earthquake		W.C. Dept. of Building Codes	In Progress			1. Include in 2021 HMP 2. Revise from 6.5 magnitude to Seismic Zone B & C requirements 3.
-	The W.C. Hwy Dept.'s aging Fuel Farm system requires substantial upgrades to ensure its continued safety and viability.	All		W.C. Hwy	In Progress			1. Include in 2021 HMP 2. Increase security of critical facilities 3.



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
-	Box culverts should be installed to prevent flooding in several locations	Flood		W.C. Hwy Dept.	In Progress	Evidence of Success		1. Include in 2021 HMP 2. 3.
-	Streambank stabilization is needed along several roads in the county	All		W.C. Hwy Dept.	Ongoing Capability	Cost		1. Discontinue 2. 3. Ongoing Capability
-	Several dangerous intersections in the county need improvements to make them safer.	HAZMAT (Transit) , Trans. Accident		W.C. Hwy Dept., Munic., NYSDOT (depending on owner)	No Progress	Level of Protection		1. Discontinue 2. 3. No longer a priority
-	Investigate placing School Resource Officers (SROs) back in the schools.	All		W.C. Sheriff, School Districts	In Progress	Damages Avoided; Evidence of Success		1. Discontinue 2. 3. No longer a priority for the HMP
-	A railroad accident notification system should be created to inform the W.C. Community Hospital of what freight and materials are on a train should an accident occur near the hospital.	HAZMAT (Transit) , Trans. Accident	WCCHS is prone to a shelter in place due to a train derailment behind the facility. Patients exposed to chemicals on board the train	W.C. Community Hospital	Ongoing Capability; Emergency Services and 911 Dispatch provide WCCHS with incident updates to prepare to receive patients from an event. Emergency Services utilizes app to identify train contents and can share that	Cost		1. Discontinue 2. 3. Ongoing Capability



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
			may be brought to facility which may require decontamination and special medications		information with Hospital			
-	Oil and gas extraction should be investigated to determine effects on the county (roads, water, etc.) especially in light of the current debate surrounding whether or not the State should allow Horizontal Hydrofracking.	HAZMAT (Fixed)		W.C. Planning, EMO	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
-	The county should adopt a systematic countywide signage/numbering system.	All	Residents may not be numbered, or numbered correctly, leading to delays in emergency responders finding the correct location	W.C. Planning, W.C. Hwy	In Progress	Level of Protection		1. Include in 2021 HMP 2. Some Towns have purchased address markers and installed to better identify the correct address Number of properties throughout the county continues to be a concern. Discrepancies are often found, and when known, investigated to determine correct address. Delay in updating Real Property and CAD information leads to delay in locating properties which has been assigned or renumbered 3.
						Damages Avoided; Evidence of Success		
-	Wyoming County Water Resources Agency (WCWRA) should assess the needs for backup generators for water systems, and determine grant opportunities/funding for purchases.	All		WCWRA	In Progress	Cost		1. Include in 2021 HMP 2. 3.
						Level of Protection		
-	Wyoming County Water Resources Agency (WCWRA) should partner with municipalities to obtain funding and purchase/implement system protections, and improve water quality testing.	Water Supply Contamination, Utility Failure		WCWRA	No Progress	Damages Avoided; Evidence of Success		1. Discontinue 2. 3. No longer a priority



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
-	Wyoming County Water Resources Agency (WCWRA) should partner with municipalities to create training opportunities related to water supply system operation, maintenance and security.	Water Supply Contamination, Utility Failure		WCWRA	Ongoing Capability; Health Department runs an annual water operators conference that provides training on various topics			1. Discontinue 2. 3. Ongoing Capability
-	Identify potential sites for: the placement of temporary housing units to house residents displaced by disaster; sites within the community suitable for relocating houses out of the floodplain; or building new houses once properties in the floodplain are razed. In addition, determine any pre- disaster actions required to make them viable, and include a letter from the floodplain administrator listing any actions required to ensure conformance with the NYS Uniform Fire Prevention and Building Code, the applicable local floodplain law, etc.	All/ Flooding	Lack of identified locations for temporary housing	County and All Munis	No Progress			1. Include in 2021 HMP 2. This capability is being address in this plan update as well as in the Comprehensive Emergency Management Plan update 3.
-	Identify evacuation routes and shelters, any pre-disaster actions required to make them viable, evidence of coordination with adjoining communities and a project lead/point of contact and timetable for implementing new items.	All	No evacuation plan and outdated shelter agreements	County and All Munis	In Progress			1. Include in 2021 HMP 2. Shelter agreements are out of date and need to be reviewed and agreements in place Evacuation Plan is currently being developed to address evacuation routes 3.
-	Climate change has the ability to influence hazard vulnerability in the future. Determine potential effects and create strategies and projects to address it. (Applicable to County and Municipalities)	All		County and All Munis	No Progress			1. Discontinue 2. 3. No longer a priority
-	The county and municipalities will use Appendix Ch-9.4 Mitigation Action Progress Forms, and Appendix Ch-9.5 Plan Update Evaluation Worksheets (based on FEMA worksheets) in order to give detailed explanations of	All		County and All Munis	No Progress			1. Discontinue 2. 3. No longer a priority. Different plan format being used.



Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						of Success		
	identified actions/projects, completed actions, progress on actions, and will use Appendix Ch-8.3 Potential Programs and Grants (and additional sources) to identify funding sources that could be used for each action.							
-	Raise awareness of and enforce existing floodplain regulations.	Flood		County and All Munis	Ongoing Capability	Cost		1. Discontinue 2. 3. Ongoing Capability
						Level of Protection		
						Damages Avoided; Evidence of Success		
-	A countywide survey of existing sewer lines should be carried out to determine the age, material, and quality of infrastructure.	Water Supply Contamination, Utility Failure		County and All Munis	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
-	A countywide survey of existing water lines should be carried out to determine the age, material, and quality of infrastructure.	Water Supply Contamination, Utility Failure		County and All Munis	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		

### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The county has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2021 Plan:

- Streambed stabilization in all Wyoming County Streams and Watersheds. Completed by SWCD and others.
- Wyoming County has gone online with Integrated Public Alert and Warning System (IPAWS) as a mechanism to notify the public of an emergency.

### Proposed Hazard Mitigation Initiatives for the Plan Update

The county participated in a mitigation action workshop in September 2020 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.1-14 summarizes the comprehensive range of specific mitigation initiatives the county would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.1-15 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.

Table 9.1-14. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2021-Wyoming County-001	Flood Damage Prevention Ordinance	2	Flood	<p><b>Problem:</b> Flood Damage Prevention Ordinances in the county are outdated.</p> <p><b>Solution:</b> The Administration will work with municipalities to adopt up to date ordinances.</p>	No	None	Within 6 months	Administration	Staff time	Meeting state standards for flood damage prevention	County budget	High	LPR	PR
2021-Wyoming County-002	Culvert Upgrades	1	Severe Storm, Flood	<p><b>Problem:</b> SWCD and the Highway Department have been involved with evaluating and determining culvert upgrade needs. Several culvert stabilization projects have been identified and prioritized. Undersized culverts contribute to flooding and potential damages of roadways and the culverts themselves.</p> <p>SWCD has specifically identified culverts in the Cattaraugus and Oatka Creek watersheds. The Highway Department identified culvert needs regularly.</p> <p><b>Solution:</b> Each culvert location will be evaluated hydraulically for appropriate sizing based on current modeling. In addition, the Highway Department will take into consideration any historical local knowledge to assist in confirming the models that are used. The final designs will be completed taking into consideration NYSDEC and USACOE permit terms and conditions.</p>	No	None	Within 5 years	SWCD, Highway Department	\$5,000 per culvert	Reduction in culvert damages and flood risk	HMGP, BRIC, CHIPS, county budget	High	SIP	SP
2021-Wyoming County-	Temporary and Permanent	2, 4	All Hazards	<p><b>Problem:</b> Municipalities require county assistance to identify locations for temporary and</p>	No	None	Within 6 months	Emergency Services	Staff time	Temporary and permanent housing	County budget	High	LPR	ES

Table 9.1-14. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
003	Housing			<p>permanent housing.</p> <p><b>Solution:</b> The county will work with municipalities to identify appropriate locations for temporary and permanent housing, either within municipal boundaries or in regional locations.</p>						locations identified				
2021-Wyoming County-004	County Security Upgrades	1	All Hazards	<p><b>Problem:</b> General security upgrades are needed at county buildings including cameras, card access/FOBs, panic alarms in cooperation of Wyoming County Buildings and Grounds.</p> <p><b>Solution:</b> Complete renovations at County Government Center Rotunda to add a metal detector and screening station for a Sheriff's Deputy. Install camera system at Fire Training Center. Complete additional upgrades are still needed at various buildings. W.C. Hwy Dept.'s aging Fuel Farm system will be upgraded. Buildings and Grounds will work with Emergency Services and Department Heads to identify needs of each building to include in future capital projects.</p>	Yes	None	Within 5 years	Buildings and Grounds should work with Emergency Services and department heads	TBD by identified capital improvement projects	Increased security and continuity of operations	County Capital Budget	High	SIP	ES
2021-Wyoming County-005	Dry Hydrants	1	Hazmat, Fire	<p><b>Problem:</b> Numerous dry hydrants across the county are no longer operational and in need of repairs or replacement. Additional dry hydrants are needed across the county to better enhance fire protection</p> <p><b>Solution:</b> Wyoming County SWCD and fire departments will repair existing dry hydrants and</p>	No	None	Within 5 years	Wyoming County SWCD and fire departments	High	Increased fire response capability	HMGP, BRIC, NYSDOT	High	SIP	ES

Table 9.1-14. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				install new hydrants in areas that lack coverage.										
2021-Wyoming County-006	Support Water Treatment Plants Backup Power	1		<p><b>Problem:</b> Water treatment plants have generator power or plans to acquire generator power.</p> <p><b>Solution:</b> The county will support water treatment plants' efforts to establish backup power.</p>	Yes	None	Within 5 years	Emergency Services	Staff time	Backup Power established at water treatment plants	Water treatment plants, HMGP, BRIC, county budget	High	SIP	ES
2021-Wyoming County-007	FIRM Updates	2	Flood	<p><b>Problem:</b> The county's municipal Flood Insurance Rate Maps (FIRMs) require updates.</p> <p><b>Solution:</b> The county will support FEMA efforts to update flood maps.</p>	No	None	Within 5 years	Administration	Staff time	Updated flood maps available for building and planning determinations	FEMA, county budget	High	LPR	PR
2021-Wyoming County-008	Tonawanda Creek Flood Warning System	2, 3, 4	Flood	<p><b>Problem:</b> National Weather Service has a gauge in the Village of Attica. Emergency notifications can be sent out by the county when notified via IPAWS.</p> <p><b>Solution:</b> The county will work with NWS and USGS to establish a flood warning system for Tonawanda Creek using the Attica gauge.</p>	No	None	Within 5 years	Emergency Services	\$50,000	Flood warning system established	HMGP, BRIC, NWS, USGS, county budget	High	LPR	ES, PI
2021-Wyoming County-009	Seismic Vulnerability Assessment	2	Earthquake	<p><b>Problem:</b> Numerous county facilities are located in soft soils which could increase risk for earthquake damages.</p> <p><b>Solution:</b> The county will prepare a countywide seismic vulnerability assessment, working with NYS where possible. The county will then develop seismic protection plans for vulnerable critical facilities determined to be at risk.</p>	Yes	None	Within 5 years	Emergency Services, Engineer, NYS	Medium	Vulnerabilities identified for future mitigation	County budget	Medium	LPR	PR

Table 9.1-14. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2021-Wyoming County-010	Elderly and Disabled Resident Emergency Planning	1, 2, 4	All Hazards	<b>Problem:</b> County lacks personnel with dedicated time and knowledge to address elderly residents needs in hazard events. County plans lack sufficient details for addressing concerns with people with disabilities.	No	None	Within 5 years	Emergency Services, Health Department, Mental Health, Social Services, and Office for the Aging	Low	Elderly and disabled residents needs addressed in emergency planning	County budget	High	LPR	ES, PI
				<b>Solution:</b> OEM will work with Health Department, Mental Health, Social Services and Office for the Aging to discuss and address necessary planning improvements.										
2021-Wyoming County-011	Liquid Manure Incident Planning	1	Hazmat	<b>Problem:</b> Emergency services does not currently have an overview of storage facilities, quantities, or an adequate plan in place to respond to a major manure spill.	No	None	Within 5 years	Emergency Services, SWCD	Low	Plans established for liquid manure incident	County budget	High	LPR	ES
				<b>Solution:</b> Emergency Services will work with relevant agencies to identify sites and develop a countywide plan to respond to an incident involving liquid manure.										
2021-Wyoming County-012	Update Sheltering Agreements and Improve Sheltering Capabilities	2, 4	All Hazards	<b>Problem:</b> Sheltering is the responsibility of the Red Cross and current assessments and agreements are not up to date.	Yes	None	Within 2 years	Red Cross, Emergency Services	Staff time	Sheltering agreements updated	County budget, ARC	High	LPR	ES
				<b>Solution:</b> Update sheltering agreements and determine if sheltering improvements are necessary.										
2021-Wyoming County-013	Prepare a countywide inventory of manure storage facilities.	2	Hazmat	<b>Problem:</b> Emergency Services does not have a current list of facilities with amounts on hand.	No	None	1 year	SWCD, Emergency Services	Staff time	Locations identified for response planning	County budget	High	LPR	ES
				<b>Solution:</b> Emergency Services will work with SWCD and others to develop an inventory of these facilities to include in a response plan										

Table 9.1-14. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2021-Wyoming County-014	Increased Earthquake Standards	2	Earthquake	<p><b>Problem:</b> In order to protect development from earthquake damages, increased building standards are required.</p> <p><b>Solution:</b> The county will revise from 6.5 magnitude to Seismic Zone B &amp; C requirements.</p>	No	None	Within 2 years	W.C. Dept. of Building Codes	Staff time	Increased building standards	County budget	High	LPR	PR
2021-Wyoming County-015	Countywide Signage/Numbering System	1, 2	All Hazards	<p><b>Problem:</b> Residents may not be numbered, or numbered correctly, leading to delays in emergency responders finding the correct location. Some Towns have purchased address markers and installed to better identify the correct address. Number of properties throughout the county continues to be a concern. Discrepancies are often found, and when known, investigated to determine correct address. Delay in updating Real Property and CAD information leads to delay in locating properties which has been assigned or renumbered.</p> <p><b>Solution:</b> The county will adopt a systematic countywide signage/numbering system.</p>	No	None	Within 5 years	W.C. Planning and Development, W.C. Highway Department	Medium	Increased emergency response capability and reduced response time	County budget	High	LPR	ES

Notes:

Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations:

CAV Community Assistance Visit  
 CRS Community Rating System  
 DPW Department of Public Works  
 EHP Environmental Planning and Historic Preservation

Potential FEMA HMA Funding Sources:

FMA Flood Mitigation Assistance Grant Program  
 HMGP Hazard Mitigation Grant Program  
 BRIC Building Resilient Infrastructure and Communities

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.




FEMA Federal Emergency Management Agency  
 FPA Floodplain Administrator  
 HMA Hazard Mitigation Assistance  
 N/A Not applicable  
 NFIP National Flood Insurance Program  
 OEM Office of Emergency Management

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes  Critical Facility located in 1% floodplain

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities





Table 9.1-15. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2021-Wyoming County-001	Flood Damage Prevention Ordinance	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2021-Wyoming County-002	Culvert Upgrades	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High
2021-Wyoming County-003	Temporary and Permanent Housing	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2021-Wyoming County-004	County Security Upgrades	1	1	1	1	1	1	1	1	1	1	0	0	1	1	12	High
2021-Wyoming County-005	Dry Hydrants	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2021-Wyoming County-006	Support Water Treatment Plants Backup Power	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2021-Wyoming County-007	FIRM Updates	0	1	1	1	1	1	1	1	1	1	0	0	1	1	11	High
2021-Wyoming County-008	Tonawanda Creek Flood Warning System	1	1	1	0	1	1	0	1	1	1	1	0	1	1	11	High
2021-Wyoming County-009	Seismic Vulnerability Assessment.	1	1	1	1	1	1	1	1	1	1	0	0	1	1	12	High
2021-Wyoming County-010	Elderly and Disabled Resident Emergency Planning	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2021-Wyoming County-011	Liquid Manure Incident Planning	0	1	1	1	1	1	1	1	1	1	1	0	1	1	12	High
2021-Wyoming County-012	Update Sheltering Agreements and Improve Sheltering Capabilities	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2021-Wyoming County-013	Prepare a countywide inventory of manure storage facilities.	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2021-Wyoming County-014	Increased Earthquake Standards	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2021-Wyoming County-015	Countywide Signage/ Numbering System	1	1	1	1	1	1	1	1	1	1	1	0	1	1	13	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).

### 9.1.8 Proposed Mitigation Action Types

The table below indicates the range of proposed mitigation action categories.

**Table 9.1-16. Analysis of Mitigation Actions by Hazard and Category**

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Earthquake	X	X			X		X			X
Epidemic	X	X					X			X
Fire	X	X					X			X
Flood	X	X			X		X		X	X
Hazmat	X	X					X		X	X
Severe Storm	X	X					X			X
Severe Winter Storm	X	X					X			X
Transportation Accident	X	X					X			X
Utility Failure	X	X					X			X
Water Supply Contamination	X	X					X			X

*Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.*

### 9.1.9 Staff and Local Stakeholder Involvement in Annex Development

Wyoming County followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many county departments, including: Emergency Services, Building and Codes, Highway, SWCD, Health, Mental Health, Real Property, and Office for the Aging. The Director of Fire and Emergency Management, Code Enforcement Officer, and Health Department represented the county on the Wyoming County Hazard Mitigation Plan Planning Partnership, Steering Committee, District Manager of SWCD, Highway Superintendent, and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

Additional documentation on the county’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

### 9.1.10 Hazard Area Extent and Location

Hazard area extent and location maps has been generated for Wyoming County that illustrates the probable areas impacted within the county. Maps are based on the best available data at the time of the preparation of this plan and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which Wyoming County has significant exposure. Maps can be found in the hazard profiles located in Section 5.



Action Worksheet			
<b>Project Name:</b>	Culvert Upgrades		
<b>Project Number:</b>	2021-Wyoming County-002		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	<p>SWCD and the Highway Department have been involved with evaluating and determining culvert upgrade needs. Several culvert stabilization projects have been identified and prioritized. Undersized culverts contribute to flooding and potential damages of roadways and the culverts themselves.</p> <p>SWCD has specifically identified culverts in the Cattaraugus and Oatka Creek watersheds. The Highway Department identified culvert needs regularly.</p>		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	Each culvert location will be evaluated hydraulically for appropriate sizing based on current modeling. In addition, the Highway Department will take into consideration any historical local knowledge to assist in confirming the models that are used. The final designs will be completed taking into consideration NYSDEC and USACOE permit terms and conditions.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	At least a 5-year event; will be determined once project is complete	<b>Estimated Benefits (losses avoided):</b>	Reduction in culvert damages and flood risk
<b>Useful Life:</b>	30 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	\$5,000 per culvert	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	HMGP, BRIC, CHIPS, county budget
<b>Responsible Organization:</b>	SWCD, Highway Department	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Remove roads	\$20,000	Roadways cannot be removed
	Relocate roads to another location	\$50,000	Roadways will still need to cross streams, costly
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Culvert Upgrades	
<b>Project Number:</b>	2021-Wyoming County-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Project will protect roadways from flooding, culvert damages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	County has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Severe Storm, Flood
Timeline	0	Within 5 years
Agency Champion	1	SWCD, Highway Department
Other Community Objectives	1	
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Dry Hydrants		
<b>Project Number:</b>	2021-Wyoming County-005		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Hazmat, Fire		
<b>Description of the Problem:</b>	Numerous dry hydrants across the county are no longer operational and in need of repairs or replacement. Additional dry hydrants are needed across the county to better enhance fire protection		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Wyoming County Soil and Water and Fire Departments will repair existing dry hydrants and install new hydrants in areas that lack coverage.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	To be determined	<b>Estimated Benefits (losses avoided):</b>	Increased fire response capability
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	\$3,500 per hydrant.	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	Within 5 years	<b>Potential Funding Sources:</b>	HMGP, BRIC, NYSDOT
<b>Responsible Organization:</b>	Wyoming County Soil and Water and Fire Departments	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Capital improvements planning
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Purchase tanker truck for water	\$190,000	Transportation route lost, emergency service response times.
	Develop contract with neighboring towns for fire response	N/A	Too slow of response times, towns unable
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			





Action Worksheet		
<b>Project Name:</b>	Dry Hydrants	
<b>Project Number:</b>	2021-Wyoming County-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Fire response preserved to protect life
Property Protection	1	Fire response preserved to protect property
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	
Administrative	1	Wyoming County Soil and Water and Fire Departments
Multi-Hazard	1	Hazmat, wildfire
Timeline	0	Within 5 years
Agency Champion	1	
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Tonawanda Creek Flood Warning System		
<b>Project Number:</b>	2021-Wyoming County-008		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Hazmat, Fire		
<b>Description of the Problem:</b>	Numerous dry hydrants across the county are no longer operational and in need of repairs or replacement. Additional dry hydrants are needed across the county to better enhance fire protection		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	Wyoming County Soil and Water and Fire Departments will repair existing dry hydrants and install new hydrants in areas that lack coverage.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	Flood warning	<b>Estimated Benefits (losses avoided):</b>	Increased flood warning with better quality data
<b>Useful Life:</b>	15 years	<b>Goals Met:</b>	2, 4
<b>Estimated Cost:</b>	\$50,000	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	3 months	<b>Potential Funding Sources:</b>	HMGP, BRIC, NWS, USGS, County budget
<b>Responsible Organization:</b>	Fire and Emergency Management	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard mitigation, emergency management
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Rely on NWS updates	\$0	Do not provide real-time information, delay in information could impact proper response
	Conduct manual readings of the river by emergency personnel	Staff time	Inaccurate and time consuming
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Tonawanda Creek Flood Warning System	
<b>Project Number:</b>	2021-Wyoming County-008	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Provides improved flood warning
Property Protection	1	Provides the opportunity to move movable property prior to a flood
Cost-Effectiveness	1	
Technical	0	Requires technical support from USGS or NWS
Political	1	
Legal	1	The county has the legal authority to complete the project
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	Within 5 years
Agency Champion	1	Fire and Emergency Management
Other Community Objectives	1	
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	