



## 9.17 TOWN OF OGDEN

This section has the jurisdictional annex for the Town of Ogden.

### 9.17.1 Hazard Mitigation Plan Point of Contact

These individuals are the hazard mitigation plan’s primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Officer Ronnie Brett, Town of Ogden Police Department 269 Ogden Center Rd, Spencerport NY 14559 585-617-6131 Email: rbrett@ogdenny.com	Christopher Mears, Chief, Town of Ogden Police Department 269 Ogden Center Road, Spencerport, NY 14559 585-617-6131 E-mail: cmears@ogdenny.com

### 9.17.2 Municipal Profile

The Town of Ogden is in the western portion of Monroe County. The town consists of 36.8 square miles in land area and 0.2 square miles of water. The town is bordered by the town of Parma on the north, by the town of Gates on the east, by the town of Sweden on the west, and by the towns of Riga and Chili on the south. The Village of Spencerport is completely within the Town’s boundaries.

According to the Monroe County FIS, the East Branch Larkin Creek originates in the Town of Ogden northwest of the Manitou Road – Lyell Canal crossing. Larkin Creek originates in the Ogden northeast of the intersection of Lyell Road and Gillet Road, at an elevation of approximately 585 feet. The stream flows approximately 11.3 miles and enters the Town of Greece. Northrup Creek also originates in the Town of Ogden, slightly southwest of Ogden Center, and flows approximately 14.5 miles northeast to its confluence with Long Pond in the Town of Greece, along the shores of Lake Ontario. The Erie Canal also passes through the Town of Ogden.

The Town of Ogden was founded in 1817 as part of Genesee County. The population of the Town is 19,856, according to the 2010 U.S. Census.

### Growth/Development Trends

Table 9.17-1 summarizes recent residential/commercial development from 2010 to now and any known or anticipated major residential/commercial development and major infrastructure development identified for the next 5 years. Refer to the maps in Section 9.17.8 of this annex that illustrate the landslide, wildfire, and flood hazard areas.

**Table 9.17-1. Growth and Development**

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address or Parcel ID)	Known Hazard Zones	Description/Status of Development
<b>Recent Development from 2010 to present</b>					
Bella Estates	Res	75	Beau Lane	No	Complete
Ogden Heights	Res	15	Kingsford La	No	Ongoing
Arbor Creek	Res	20	Brockway Dr	No	Ongoing
Gizzi Plaza	Commercial	5	4165 Buffalo Rd	No	Complete
<b>Known or Anticipated Development in the Next 5 Years</b>					
Chamber Valley	Res	10	Shenandoah Dr	No	Ongoing



\* Only location-specific hazard zones or vulnerabilities identified.

### 9.17.3 Natural Hazard Event History Specific to the Municipality

Monroe County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is in each of the hazard profiles and includes a chronology of events that affected the County and its municipalities. For this plan update, to the extent possible, all events that occurred in the County were summarized to indicate the range and impact of hazard events. Information regarding specific damages is included, if available, based on reference material or local sources. This information is in Table 9.17-2. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.17-2. Hazard Event History**

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
The Town did not identify any damages or losses sustained during recent natural hazard events.				

### 9.17.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Town of Ogden. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

#### Hazard Risk/Vulnerability Risk Ranking

Table 9.17-3 summarizes the hazard risk/vulnerability rankings of potential hazards for the Town of Ogden. The hazards of concern for the Town are those with a High hazard ranking.

**Table 9.17-3. Hazard Risk/Vulnerability Risk Ranking**

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Landslide	Exposed: \$4,469,332,464	Frequent	48	High
Utility Failure	Damage Estimate Not Available	Frequent	39	High
Extreme Temperature	Damage Estimate Not Available	Frequent	36	High
Infestation	Damage Estimate Not Available	Frequent	36	High
Severe Winter Storm	1% Damage Loss Estimate: \$27,650,488 5% Damage Loss Estimate: \$138,252,438 10% Damage Loss Estimate: \$276,504,875	Frequent	36	High
Wildfire	Exposed Value in the WUI: \$1,121,710,817	Frequent	33	High
Earthquake <sup>d, e</sup>	100-year MRP GBS: \$0 500-year MRP GBS: \$681,208 2,500-year MRP GBS: \$10,534,647 Annualized: \$10,324	Frequent	30	Medium
Flood <sup>d</sup>	1% annual chance: \$17,212,429	Frequent	18	Medium
Hazardous Materials	Damage Estimate Not Available	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium





Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Drought	Damage Estimate Not Available	Frequent	12	Low
Civil Unrest	Damage Estimate Not Available	Occasional	12	Low

Notes:

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. The valuation of general building stock and loss estimates was based on custom inventory for the municipality.  
 High = Total hazard priority risk ranking score of 31 and above  
 Medium = Total hazard priority risk ranking of 15-30  
 Low = Total hazard risk ranking below 15
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract.
- MRP Mean return period
- GBS General building stock
- WUI Wildland- urban interface

### National Flood Insurance Program (NFIP) Summary

Table 9.17-4 summarizes the NFIP statistics for the Town of Ogden.

**Table 9.17-4. NFIP Summary**

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Flood Boundary (3)
Ogden (T)	26	5	\$152,841	1	0	11

Source: FEMA Region 2 2015

Notes:

- (1) Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and are current as of June 30, 2015. Total number of repetitive loss properties does not include severe repetitive loss properties. Number of claims represents claims closed by June 30, 2015.
  - (2) Total building and content losses from the claims file provided by FEMA Region 2.
  - (3) Number of policies inside and outside of flood zones is based on latitude and longitude provided by FEMA Region 2 in the policy file. FEMA noted that for a property with more than one entry, more than one policy may have been in force or more than one Geographic Information System (GIS) specification was possible.
- Number of policies and claims, and claims total, exclude properties outside Monroe County boundary, based on provided latitude and longitude coordinates.
- T Town

### Critical Facilities

Table 9.17-5 has HAZUS-MH estimates of the damage and loss of use to critical facilities in the community from a 1- and 0.2-percent annual chance flood.

**Table 9.17-5. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Potential Loss from 1% Flood Event	
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage
None identified.					

Source: Monroe County; HAZUS-MH 2.2; FEMA 2015

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.2 User Manual).





Note (2): In some cases, a facility may be in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

- NA Not available
- X Facility in the DFIRM boundary
- Not calculated by HAZUS-MH 2.2

### Other Vulnerabilities Identified

The municipality identified these additional vulnerabilities in their community:

- Most of the flooding problems in the Town of Ogden are associated with the Little Black Creek watershed. The limited channel capacity and undersized culverts are the major causes of inundation. Severe floods in the Little Black Creek watershed occurred in the springs of 1913, 1960, and 1974 with the flood of 1974 having a recurrence interval of 10 years (Monroe County FIS).

### 9.17.5 Capability Assessment

This section identifies the capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

### Planning and Regulatory Capability

Table 9.17-6 summarizes the regulatory tools that are available to the Town of Ogden.

Table 9.17-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
<b>Planning Capability</b>				
Master Plan	Yes	Town	Long Range Planning Committee	Comprehensive Plan adopted 11/2012
Capital Improvements Plan	No	-	-	-
Floodplain Management / Basin Plan	Yes	Town	Building Department	Town Code Chapter 82
Stormwater Management Plan	Yes	Town	Building Department	Town Code Chapter 82
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	Yes	Town	Highway Department	Town Code Chapter 82
Watershed Management or Protection Plan	Yes	Town	Building Department in conjunction	Town Code Chapter 82



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
			with Highway Dept.	
Economic Development Plan	No	Local	-	Town works with Chamber of Commerce
Comprehensive Emergency Management Plan	Yes	Town	Police Department, Emergency Planning Coordinator	Town/Village Emergency Plan, revised 4/2015
Emergency Response Plan	Yes	Town	Police Department, Emergency Planning Coordinator	Town/Village Emergency Plan, revised 4/2015
Post-Disaster Recovery Plan	Yes	Town	Police Department, Emergency Planning Coordinator	Town/Village Emergency Plan, revised 4/2015
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	Yes	Town	Police Department, Emergency Planning Coordinator	Town/Village Emergency Plan, revised 4/2015
Other Plans	No	-	-	-
<b>Regulatory Capability</b>				
Building Code	Yes	Town	Building Department	Building Code Administration Chapter 52
Zoning Ordinance	Yes	Town	Building Department	Zoning Chapter 210
Subdivision Ordinance	Yes	Town	Building Department	Subdivision of Land Chapter 173
NFIP Flood Damage Prevention Ordinance	Yes	Town	Building Department	Flood Damage Prevention Chapter 82
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	-	State mandated Base Flood Elevation (BFE)+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	Yes	Town	Building Department	Town Code Chapter 52
Stormwater Management Ordinance	Yes	Town	Building Department	Stormwater Management Chapter 167
Municipal Separate Storm Sewer System (MS4)	Yes	Town/County	Highway	Storm Sewers Chapter 162
Natural Hazard Ordinance	No	-	-	-



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	-	NYS mandate, Property Condition Disclosure Act, NY Code – Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	Local	-	Drainage and Watercourses Chapter 64

### Administrative and Technical Capability

Table 9.17-7 summarizes potential staff and personnel resources available to the Town of Ogden.

**Table 9.17-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Conservation Board – Town
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Maintenance Programs to Reduce Risk	No	-
Mutual Aid Agreements	Yes	With Village of Spencerport and surrounding towns
<b>Technical/Staffing Capability</b>		
Planners or Engineers with knowledge of land development and land management practices	Yes	Building Department
Engineers or Professionals trained in construction practices related to buildings or infrastructure	Yes	-
Planners or engineers with an understanding of natural hazards	Yes	-
NFIP Floodplain Administrator	Yes	Patrick Smith – Building Department
Surveyors	Yes	John Newcomb
Personnel skilled or trained in GIS or HAZUS-MH applications	Yes	Highway Department has contract company
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Police Department has E/P coordinator
Grant Writers	No	-
Staff with expertise or training in benefit/cost analysis	Yes	Finance Department
Professionals trained in conducting damage assessments	No	-

### Fiscal Capability

Table 9.17-8 summarizes financial resources available to the Town of Ogden.





**Table 9.17-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes – Canal development
Capital Improvements Project Funding	Yes – Improvements to municipal buildings
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact Fees for homebuyers or developers of new development/homes	Yes – charges to extend sewers
Stormwater Utility Fee	Yes – management fees
Incur debt through general obligation bonds	No
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	N/A
Other Federal or State Funding Programs	No
Open Space Acquisition Funding Programs	No
Other	No

**Community Classifications**

Table 9.17-9 summarizes classifications for community program available to the Town of Ogden.

**Table 9.17-9. Community Classifications**

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (Insurance Services Office [ISO] Fire Protection Classes 1 to 10)	Yes	Fire Departments	-
Storm Ready	Yes	StormReady County	-
Firewise	No	-	-
Disaster/Safety Programs in/for Schools	Yes	Emergency Plan/Spencerport Schools	-
Organizations with Mitigation Focus (advocacy group, non-government)	No	-	-
Public Education Program/Outreach (through website, social media)	Yes	Twitter and Facebook accounts	-
Public-Private Partnerships	No	-	-

The classifications in Table 9.17-9 relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification,



and class 10 representing no classification benefit. Firewise classification is higher if the subject property is more than 1000 feet from a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are in:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO’s Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <http://www.stormready.noaa.gov/index.html>
- The National Firewise Communities website at <http://firewise.org/>

### Self-Assessment of Capability

Table 9.17-10 provides an approximate measure of the Town of Ogden’s capability to work in a hazard-mitigation capacity or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

**Table 9.17-10. Self-Assessment Capability for the Municipality**

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)*	Moderate	High
Planning and Regulatory Capability			X
Administrative and Technical Capability			X
Fiscal Capability		X	
Community Political Capability			X
Community Resiliency Capability			X
Capability to Integrate Mitigation into Municipal Processes and Activities.		X	

### National Flood Insurance Program

#### NFIP Floodplain Administrator (FPA)

Town of Ogden Building Official

#### Flood Vulnerability Summary

The FPA identified the Adams Basin area as a flood-vulnerable area in the municipality. The last flood damage occurred there in 2009.

#### Resources

Patrick Smith is the sole person assuming the role as Floodplain Administrator in the Town. He does permit review, and no building is allowed in the flood plains. GIS is maintained by the Highway Department by contract with a third party. Inspections were done prior to 2009, and property owners in risk areas were advised of mitigation strategies to minimize future problems. Outreach is done by website and social media postings.

There are currently no barriers to running an effective floodplain management in the Town of Ogden. The Town is adequately supported by building codes and the Ogden Town Board.

Any education or training would be welcome and beneficial.







## Compliance History

According to the NFIP Community Status Book, the Town of Ogden is in good-standing with the NFIP.

As of June 30, 2015, there are 26 policies in force in the Town of Ogden, 11 of which are in the 1 percent flood boundary. There is one repetitive loss and no severe repetitive loss properties. Between 1978 and June 30, five claims have been paid totaling \$152,841. According to the current NFIP Policy Statistics report, the policies in the Town of Ogden insure more than \$4.5 million of property with annual premiums of \$24,388.

## Regulatory

The Town of Ogden floodplain management regulations/ordinances meet and exceed the FEMA and State minimum requirements. Other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements include restrictions on building in the floodplain enforced by the zoning boards.

At this time, the Town of Ogden has not considered joining the Community Rating System (CRS) program to reduce flood insurance premiums for their insured.

## Community Rating System

The Town of Ogden does not participate in the Community Rating System (CRS) program at this time.

## Other Capabilities Identified

Previous actions that are now on-going programs and capabilities are (Refer to Table 9.17-11):

- As part of its normal operations the Highway Department:
  - Stockpiles emergency supplies
  - Solicit Mutual Aid agreements Shared services and mutual aid agreements with the Village of Spencerport
  - Maintains public infrastructure; ongoing works
  - Solicit inter-municipal and interagency cooperation, along with the Police Department, with MOUs, MOAs, and ongoing mutual aid
  - Implements an annual, Waterway/Drainage Maintenance Program – the Town clears drains and ditches in spring and following heavy storms
  - Develops a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris – Strategy complete and is included in the Town Emergency Plan
  - Implements an Annual, Tree/Stream Maintenance Program – Town and Village both contract tree services
- As part of its normal operations the Police Department:
  - Engages emergency service jurisdictions in local municipal government processes – First responders and DPWs meet quarterly with municipal officials to discuss E/P issues
  - Identifies special hazard areas in the Town Emergency Plan
  - Regularly reviews restoration priorities – List of priorities added to Town Emergency Plan
  - Provides more public outreach during an emergency and expand information available on websites – All emergency operations information posted on Facebook and Twitter
  - Provides traffic reports through the local broadcasters, and provide construction information and project status on sites that impact traffic – Information disseminated via Facebook and Twitter to media and general public
- As part of its normal operations the Building Department:
  - Enforces government permit processes on an ongoing basis



- Provides comprehensive inspection services, with the Code Enforcement Department, on an ongoing basis
- Administers a Floodplain Management Program – the Town Code prohibits building in floodplain areas
- Enforces Building Code as required for existing and new infrastructure, and comply with applicable federal and state regulations. – Ongoing inspections and review
- As part of its normal operations the Town Board completes:
  - Property acquisition – Acquired additional park property on Park Road
  - Regular legal review of local laws. Ordinances reviewed on rotation

### **Integration of Hazard Mitigation into Existing and Future Planning Mechanisms**

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, each community was surveyed to obtain a better understanding of their community’s progress in plan integration. A summary is provided below. The community identified specific integration activities that will be incorporated into municipal procedures.

#### **Planning**

**Land Use Planning:** The Town of Ogden has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS SEQR and Federal NEPA requirements.

#### **Regulatory and Enforcement**

**Building Code Administration Chapter 52:** The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The Town complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

**Drainage and Watercourses Chapter 64:** The Town promotes the health and safety of its residents and property by regulating drainage to avoid improper drainage, improper facilities in areas of poor drainage and high groundwater, inadequate construction of drainage facilities and unwise diversion, and obstruction of streams and watercourses. The Town has the authority to manage drainage for the portions of the Town outside the limits of the Village of Spencerport.

**Flood Damage Prevention Chapter 82:** This article promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses due to flood conditions and erosion. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

**Storm Sewers Chapter 166:** The Town promotes the health and safety of its residents by protecting and enhancing the water quality of its waterways, consistent with the Federal Clean Water Act. Under this determination, the Town seeks to reduce stormwater discharge pollutants, non-stormwater discharges to the storm drain system, and stormwater discharges to sanitary sewers.

**Stormwater Management Chapter 167:** The Town’s stormwater management chapter seeks to mediate the adverse impacts of stormwater runoff rates, sedimentation, and erosion caused by existing drainage systems. It also serves to control the degradation of water quality in the Town.



**Stormwater Coalition:** As part of its normal operations, the Town participates in the Monroe County Stormwater Coalition. Through the Coalition, members work together to comply with federal regulations and improve water quality. Programs enacted through the Coalition include outreach and training, technical assistance, investigations of illegal discharges, pollution prevention, and identifying needed infrastructure.

**Subdivision of Land Chapter 173:** The Town's Planning Board is tasked with site plan/subdivision review. The Planning Board pays special attention to ensure that developments mitigate the issues associated natural hazards.

**Zoning Chapter 210:** The Town of Ogden zoning code includes districts and standards pertaining to the mitigation of hazards. The districts of most note for hazard mitigation are the Erie Canal Preservation Overlay and Sanitary Sewer Overlay District.

### Fiscal

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**Operating Budget:** The Town's operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster. The Town also maintains a town-wide drainage fund.

### Education and Outreach

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Town of Ogden staff attend trainings and classes sponsored by Monroe County Department of Planning and Development, Monroe County Office of Emergency Management, or by state and federal agencies, as able and in order to meet all professional requirements. Town emergency responders also have the option to attend courses at the Monroe County Public Safety Training Facility.

The Town maintains a public safety webpage (<http://www.ogdenny.com/PublicSafety.aspx>) for resident use and benefit. While the webpage does not currently contain hazard preparedness or mitigation information, it does have safety tips and resource links, and the Town could easily incorporate hazard mitigation information.

The Town of Ogden currently maintains an Emergency Preparedness Twitter feed, and the Police Department maintains a Facebook and Twitter page. All alert residents to upcoming weather hazards and emergency situations. In addition, residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

In the Town of Ogden, a Surveillance Radar System, operated by the National Weather Service at Greater Rochester International Airport provides for early detection of storms in regards to their path and the predicted amount of rainfall. Appropriate action can then be taken to minimize flood losses.

## 9.17.6 Mitigation Strategy and Prioritization

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

### Past Mitigation Initiative Status

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The following table indicates progress on the community's mitigation strategy identified in the 2011 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 9.17-11. Past Mitigation Initiative Status

2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
ES-3: Establish an active Recruitment and Retention (of providers) Program.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
ES-4: Stockpile emergency supplies.	Highway Department	Complete	Ongoing works	Discontinue	Integrated into normal operations
ES-5: Solicit Mutual Aid agreements.	Highway Department	Complete	Shared services and mutual aid agreements with the Village of Spencerport	Discontinue	Integrated into normal operations
ES-6: Engage emergency service jurisdictions in local municipal government processes.	Police Department	Complete	First responders and DPWs meet quarterly with municipal officials to discuss E/P issues	Discontinue	Integrated into normal operations
NRP-1: Ensure proper disposal of Hazardous Waste.	N/A	No progress	N/a	Discontinue	Not applicable to Town
NRP-2: Enforce government permit processes. This may pertain to existing or new infrastructure.	Building Department	Complete	Ongoing permit review	Discontinue	Integrated into normal operations
NRP-3: Provide comprehensive inspection services. This may pertain to existing or new infrastructure.	Building Department/Code Enforcement	Complete	Ongoing inspections	Discontinue	Integrated into normal operations
NRP-4: Administer a Floodplain Management Program. This may pertain to existing or new infrastructure.	Building Department	Completed	Town Code prohibits building in floodplain areas	Discontinue	Integrated into normal operations
NRP-5: Maintain Urban Forests.	N/A	No progress	N/a	Discontinue	Not applicable to Town
PEA-3: Review Utility Service & restoration plans.	N/A	No progress	N/A	Discontinue	Not applicable to Town



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
PEA-4: Identify and use a Speaker's Bureau.	N/A	No progress	N/A	Discontinue	Not applicable to Town
PP-1: Identify special hazard areas.	Police Department	Complete	Added to Emergency Plan	Discontinue	Integrated into normal operations
PP-2: Maintain public infrastructure. This may pertain to existing or new infrastructure.	Highway Department	Complete	Ongoing works	Discontinue	Integrated into normal operations
PP-3: Solicit inter-municipal and interagency cooperation.	Highway Department/Police Department	Complete	MOUs and MOAs, ongoing mutual aid	Discontinue	Integrated into normal operations
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
PP-5: Property acquisition	Town Board	Complete	Acquired additional park property on Park Rd	Discontinue	Integrated into normal operations
PR-1: Enforce Building Code as required for existing and new infrastructure.	Building Department	Complete	Ongoing inspections and review	Discontinue	Integrated into normal operations
PR-2: Comply with applicable federal and state regulations.	Building Department	Complete	Ongoing inspections and review	Discontinue	Integrated into normal operations
PR-5: Regular review of Local Laws	Town Board (Legal)	Complete	Ordinances reviewed on rotation	Discontinue	Integrated into normal operations
SP-1: Disaster proof public facilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town





2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
SP-3: Target Harden facilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
SP-4: Expand fiber telecommunications networks.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Dam-PEA-1: Churchville Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Dam-PEA-2: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No progress	N/A	Discontinue	Not applicable to Town
Fire-ES-1: Local Project. The Henrietta Fire District is developing a Special Operations Unit for Confined Space Rescue, Low and High-Angle Rescue, Water Rescue, and Trench Rescue.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Fire-ES-2: Local Project. Continue to provide Emergency Medical Services to the community. The Churchville Volunteer Fire Department is the first responder agency to all medical emergencies in our community.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Fire-PEA-1: Local Project. Henrietta Fire District develops and schedules an annual campaign for Fire Prevention using its	N/A	No progress	N/A	Discontinue	Not applicable to Town



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
mobile Fire Safety Trailer and a portable interactive kiosk at schools, community functions, and public facilities.					
Fire-PEA-2: Local Project. Churchville Volunteer Fire Department develops and schedules an annual campaign for Fire Prevention at schools, community functions, and public facilities using its interactive displays.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Fire-PP-1: Encourage residential use of smoke detectors through public education, and give away programs. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-ES-4: Churchville Project. Enhance Fire Department Personnel Emergency Notification	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-ES-5: Churchville Project. Provide water rescue training and equipment e.g. Wet Suits and associated equipment.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PEA-3: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town





2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PP-4: Local Project. Town of Gates Multi-Lot Letter of Map Amendment for more than 100 homes that were mislabeled as residing in flood zones on FEMA maps (Democrat & Chronicle, 1.22.10).	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PP-5: Local Projects with the U.S. Army Corps of Engineers, "Risk Management Program." Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting, 7.29.08).	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PR-1: Implement an annual, Waterway/Drainage Maintenance Program	Highway Department	Complete	Town clears drains and ditches in spring and following heavy storms	Discontinue	Integrated into normal operations
FI-PR-5: Local Project. Implement an annual de-silting program in the Town of Henrietta, to increase the storage capacity for storm water detention and retention ponds. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-PR-6: Local Project. Town of Greece drainage study on Fleming and Veness creeks between Latta Road, Windsor Blvd., Denise Road and Dewey Ave. (Democrat & Chronicle, 1.3.10).	N/A	No progress	N/A	Discontinue	Not applicable to Town





2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-SP-1: Local Project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer’s 2003 proposal, and as agreed by local parties. (reference – Democrat & Chronicle, 3-2-03). This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-SP-2: Local Project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-SP-5: Local Project. Design and build a regional detention facility upstream of the Rolling Meadows and Tallwoods Subdivision in the Town of Parma. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-SP-6: Local Project. Town of Parma bridge replacement on Hill Road (Town ROW), over Salmon Creek to raise the bridge approaches from the floodplain, to increase the freeboard elevation, to decrease backwater, and to meet 50-year storm construction standards. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
FI-SP-7: Local Project. Town of Henrietta replace road culverts to improve flow and reduce flooding potential on Parkmeadow Drive, Tomahawk Trail and Colleen Way. This may pertain to existing or new	N/A	No progress	N/A	Discontinue	Not applicable to Town





2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
infrastructure.					
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	Highway Department	Complete	Plan included in Town Emergency Plan	Discontinue	Integrated into normal operations
Ice-ES-2: Regularly review restoration priorities	Police	Complete	List of priorities added to Town Emergency Plan	Discontinue	Integrated into normal operations
Ice-ES-3: Enhance utility Town Liaison Program	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-NRP-1: Churchville Project. Replace trees (forestation) in Village of Churchville that were destroyed by various storm events.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PEA-2: Develop alternate communications plan	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PEA-4: Provide more public outreach during an emergency	Police	Complete	All emergency operations information posted on Facebook and Twitter	Discontinue	Integrated into normal operations
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PEA-6: Expand information available on websites	Police	Complete	All emergency operations information posted on Facebook and Twitter	Discontinue	Integrated into normal operations
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-PR-1: Implement an Annual, Tree/Stream Maintenance Program	Highway	Complete	Town and Village both contract tree services	Discontinue	Integrated into normal operations
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PR-2A: Fairport Electric Project. Relocate vulnerable utilities	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PR-2B: Fairport Electric Project. Relocate vulnerable utilities	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health care facilities and elderly housing facilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing or new infrastructure.	Town Board	In progress	Seeking CIP grant	Include in 2017 HMP	Install backup generator to Community Center
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, Call Before You Dig.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Land-PR-1: Local Project. Enact Local Laws: to restrict development on steep slopes; to require property owners or mine operators to rehabilitate open mines at closing. This may pertain to existing or new	N/A	No progress	N/A	Discontinue	Not applicable to Town



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
infrastructure.					
SC-PR-1: Local Project. Enact Local Laws that require property owners to demolish and remove unsafe structures from their properties. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Terr-PP-1: Implement a strategy to target harden critical and public facilities. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	N/A	No progress	N/A	Discontinue	Not applicable to Town
Terr-PR-3: Schools Project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Trans-ES-1: Local Project. The Town of Henrietta's Highway Snow & Ice Control Program is testing treated road salt for benefits associated with its application to enhance the capacity of normal road salt.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	Police Department	Complete	Information disseminated via Facebook and Twitter to media and general public	Discontinue	Integrated into normal operations
Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic	Police Department	Complete	Information disseminated via Facebook and Twitter to media and general public	Discontinue	Integrated into normal operations



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Util-ES-1: Local Projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
Util-PP-1: Local Utilities Project. Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g. August 14, 2003. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town
WSC-PR-1: Provide redundant back-up power supply for public supply treatment facilities and system pump stations. This may pertain to existing or new infrastructure.	N/A	No progress	N/A	Discontinue	Not applicable to Town



### **Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy**

The Town of Ogden has not identified any completed mitigation projects/activities not identified in the previous mitigation strategy from the 2011 Plan.

### **Proposed Hazard Mitigation Initiatives for the Plan Update**

FEMA Region II led a meeting for all Monroe County municipalities in November 2015 to discuss the purpose, goals, and long term benefits of identifying mitigation actions to include in the updated HMP. FEMA provided handouts on creating a functionally diverse jurisdictional planning team, guidance for identifying integration actions, and guidelines for completing an action worksheet for jurisdictions to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards.

Monroe County hosted two Annex Workshops in December 2015 to assist municipalities in completing their jurisdictional annexes, including identifying mitigation projects and developing Action Worksheets. All jurisdictions were provided with a set of sample mitigation actions that satisfied County goals of addressing all hazards and representing all six CRS categories, along with a refresher instruction sheet on how to complete an action worksheet, and an example of a completed action worksheet.

In January 2016, Monroe County jurisdictions were provided the results of the municipal risk assessment to further assist with the development of their mitigation strategy. Throughout the planning process, jurisdictions had access to mitigation planners who were available to assist with the development of the jurisdictional annexes, including the mitigation strategy and action worksheets, as necessary.

Table 9.17-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Ogden would like to pursue to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives depend on available funding (grants and local match availability) and may be modified or omitted at any time because 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 Table 9.17-12 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. Table 9.17-12 summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.17-13 has a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.17-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New or Existing Structures*	Hazards Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TOG - 1	Install permanent backup power supply at the Town Community Center.	Existing	Utility Failure	2, 3	Ogdén Town Board	High	Medium	CIP Grant, Local, County	Short-Term	High	SIP	PP, ES
TOG - 2	Support the County in implementing a tick and Lyme Disease education and outreach program.	N/A	Infestation	1, 2, 3, 4	Town/Village Clerk, Supervisor, and Planning Board	Medium	Medium	Federal, State, and Local	Ongoing	Medium	EAP	PI
TOG - 3	Send local Floodplain Administrator to County and State trainings and complete certification programs with respect to floodplain management.	N/A	All Hazards	1, 4	Town FPM, Building Department	Medium	Low – Staff Time	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County	Short Term	High	EAP	PI
TOG - 4	Support Monroe County Stormwater Coalition projects to facilitate stormwater flow during storms and to manage the stormwater quality and health hazards.	N/A	Flood, Severe Storm	1, 2, 3	Town/Village Floodplain Administrator	High	Low – Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County	Ongoing	High	LPR, SIP	NR, SP, PP, PR
TOG - 5	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	Existing	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure	1, 3, and 4	Town Clerk	High	Low	Operating budget	OG	High	EAP	PI

Notes:

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

\*Does this mitigation initiative reduce the effects of hazards on new or existing buildings or infrastructure? Not applicable (N/A) is inserted if this does not apply.





Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
NYS DHSES	New York State Division of Homeland Security and Emergency Services
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.

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 9.17-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	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
TOG – 1	Install permanent backup power supply at the Town Community Center.	1	0	1	1	0	1	0	0	1	1	0	1	1	1	9	High
TOG – 2	Support the County in implementing a tick and Lyme Disease education and outreach program.	1	0	1	0	0	1	0	0	0	0	0	1	0	0	4	Medium
TOG – 3	Send local Floodplain Administrator to County and State trainings and complete certification programs with respect to floodplain management.	1	1	1	1	0	1	1	0	0	1	0	1	0	0	8	High
TOG – 4	Support Monroe County Stormwater Coalition projects to facilitate stormwater flow during storms and to manage the stormwater quality and health hazards.	1	1	1	0	1	1	-1	1	1	1	1	0	0	1	9	High
TOG – 5	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	High

Note: Refer to Section 6 which contains the guidance on prioritizing mitigation actions. Mitigation actions being carried forward from prior strategies have either retained their prioritization (shown by “-“within updated prioritization criteria), or have been re-prioritized at the discretion of the jurisdiction if they believe re-evaluation is appropriate due to changed conditions since the original prioritization.



### **9.17.7 Future Needs To Better Understand Risk/Vulnerability**

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None at this time.

### **9.17.8 Hazard Area Extent and Location**

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Hazard area extent and location maps were generated for the Town of Ogden illustrating the probable areas impacted. These maps are based on the best currently available data, and are considered adequate for planning. Maps have only been generated for those hazards (i.e., landslide, wildfire, and flooding) that can be clearly identified using mapping techniques and technologies, and for which the Town of Ogden has significant exposure. These maps are illustrated in the hazard profiles in Section 5.4, Volume I of this Plan.

### **9.17.9 Additional Comments**

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None at this time.



Figure 9.17-1. Town of Ogden Landslide and Wildfire Hazard Area Extent and Location Map

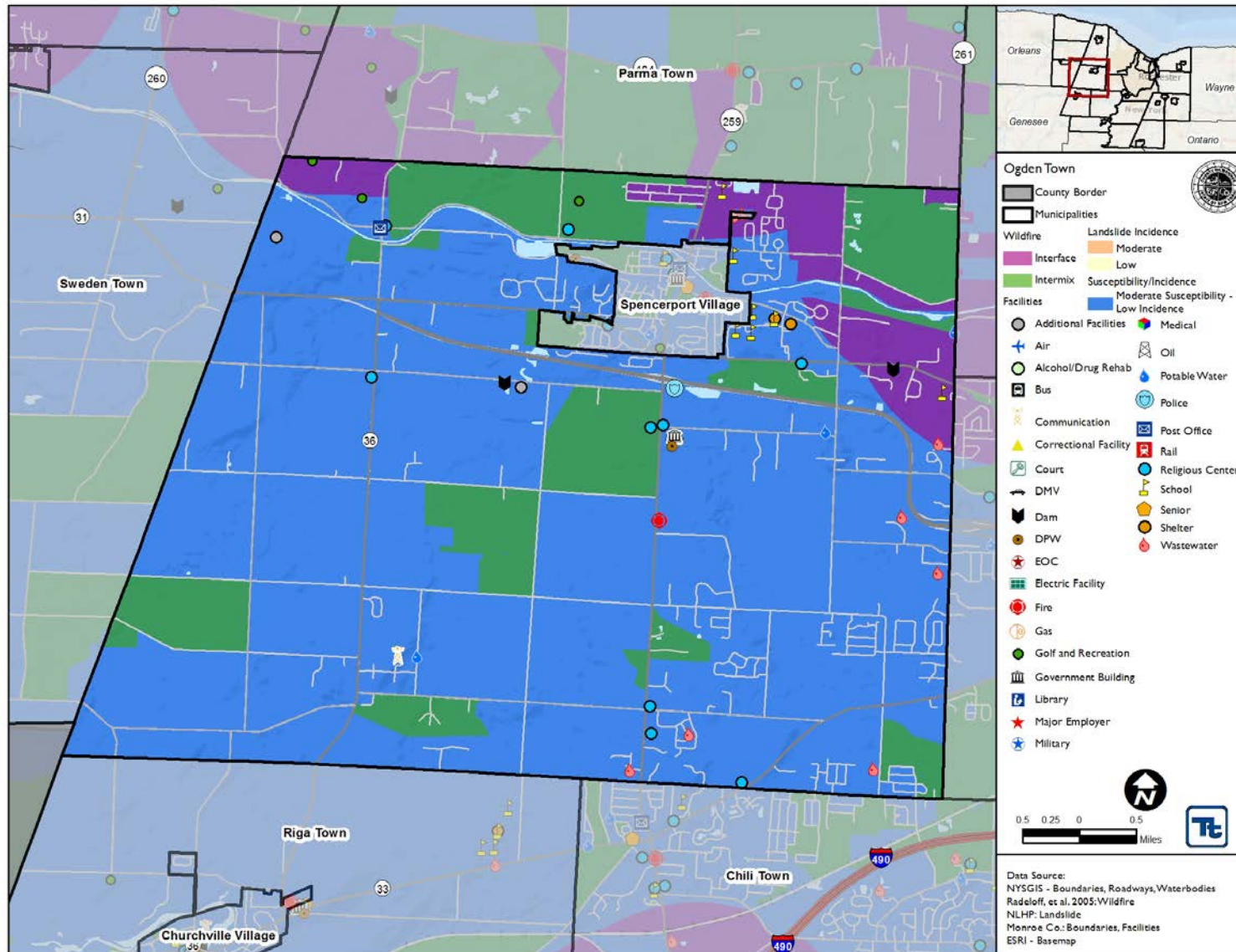
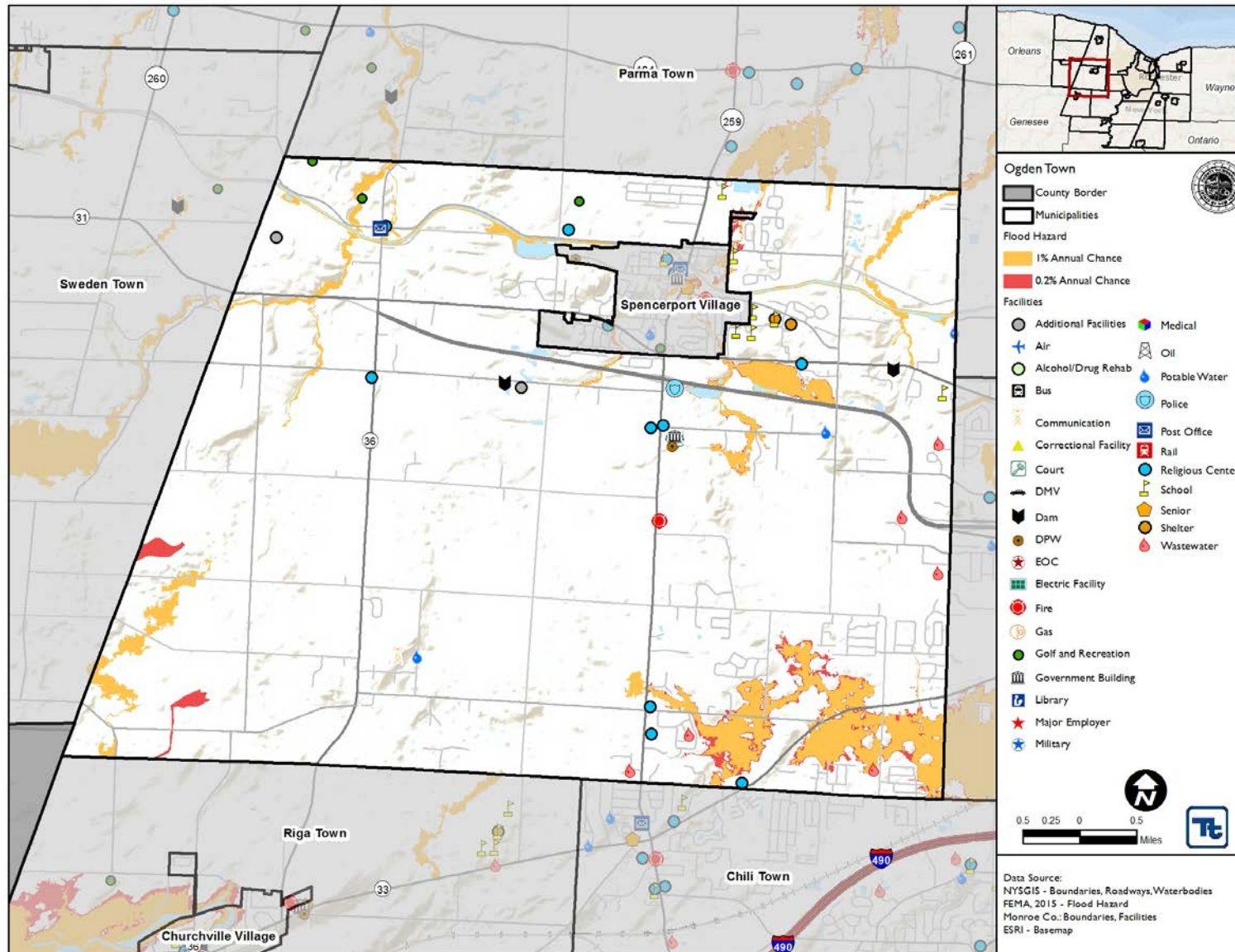




Figure 9.17-2. Town of Ogden Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction: Town of Ogden  
 Name and Title Completing Worksheet: \_\_\_\_\_  
 Action Number: TOG – 1  
 Mitigation Action Name: Install back-up power at the Community Center

Assessing the Risk	
<b>Hazards addressed:</b>	Utility Failure
<b>Specific problem being mitigated:</b>	Current lack of capacity to generate backup power at this critical facility (serving vulnerable populations) during major power failures
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Purchase temporary mobile generators and equip Community Center with hook-up – not practical due to increase reliance on emergency responders/ Town personnel to deliver.
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Install permanent backup power supply at the Town Community Center.
<b>Mitigation Action Type</b>	SIP
<b>Goals Met</b>	2, 3
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	High – Maintain continuous operations of emergency shelter during emergency.
<b>Estimated Cost</b>	Medium
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Ogden Town Board
<b>Local Planning Mechanism</b>	Town Capital Improvements
<b>Potential Funding Sources</b>	CIP Grant, Local, County
<b>Timeline for Completion</b>	Short-Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



Action Number:

TOG – 1

Mitigation Action Name:

Install back-up power at the Community Center

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Associated risk from loss of service of Community Center as a shelter during an emergency
Property Protection	0	
Cost-Effectiveness	1	The risk to human life from loss of service is far more than the costs of installation.
Technical	1	Project is technically feasible.
Political	0	
Legal	1	Town has legal jurisdiction over the facility.
Fiscal	0	May require external funding.
Environmental	0	
Social	1	The proposed project will not adversely impact one segment of the population, and will serve vulnerable populations.
Administrative	1	The project will be administered by the Town staff.
Multi-Hazard	0	Utility Failure
Timeline	1	May be implemented within 5 years
Agency Champion	1	Town Board
Other Community Objectives	1	Disaster proof or Target Harden public facilities.
<b>Total</b>	9	
<b>Priority (High, Medium, Low)</b>	High	