



## 9.18 Town of Parma

This section presents the jurisdictional annex for the Town of Parma that provides 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 to reduce or eliminate damage to property and people that can be implemented prior to a disaster. Information presented includes a general overview of the municipality, who in the Town participated in the planning process, an assessment of the Town of Parma’s risk and vulnerability, the different capabilities used in the Town, and an action plan that will be implemented to achieve a more resilient community.

### 9.18.1 Hazard Mitigation Planning Team

The Town of Parma identified the hazard mitigation plan primary and alternate points of contact and developed this plan over the course of several months with input from many Town departments, including the Building Department, Highway Department, Parks and Recreation, and Fire Marshal. The Building Inspector/Building Department Head represented the community on the Monroe County Hazard Mitigation Plan Planning Partnership 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.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Volume 1, Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.18-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Mark Lenzi, Building Inspector/Building Department Head Address: 1300 Hilton Parma Road, P.O. Box 728 Hilton, NY 14468 Phone Number: 585-392-9449 Email: building@parmany.org	Name/Title: Allen Reitz, Fire Marshal Address: 1300 Hilton Parma Road, P.O. Box 728 Hilton, NY 14468 Phone Number: 585-392-9449 Email: firemarshal@parmany.org
NFIP Floodplain Administrator	
Name/Title: Mark Lenzi, Building Inspector/Building Department Head Address: 1300 Hilton Parma Road, P.O. Box 728 Hilton, NY 14468 Phone Number: 585-392-9449 Email: building@parmany.org	
Additional Contributors	
Name/Title: Mark Lenzi, Building Inspector/Building Department Head Method of Participation: Provided data and information, contributed to mitigation strategy, reviewed draft annex	
Name/Title: Allen Reitz, Fire Marshal Method of Participation: Provided data and information, contributed to mitigation strategy	
Name/Title: Jim Christ, Highway Superintendent Method of Participation: Provided data and information, contributed to mitigation strategy	
Name/Title: Mark Edwards, Hilton Central Schools Method of Participation: Provided information on sheltering	

### 9.18.2 Municipal Profile

The Town of Parma is in the northwestern quadrant of Monroe County, bordered north by Lake Ontario, east by the Town of Greece, south by the Town of Ogden, and west by the Towns of Hamlin, Clarkson, and Sweden.





The Town of Parma encompasses 42 square miles of land and 1 square mile of water. Other than the shoreline of Lake Ontario, Salmon, West, and Otis Creeks are the most significant local waterways in the Town of Parma.

The Town of Parma was established in 1808, named after an Italian city. Parma Corners was the first community of importance, built around the regional intersection of Ridge Road and Canawaugus Road (present-day Route 259), where the local animal rescue pound and wood block tavern house were erected in the Town’s early years. Parma Center was the next hub to be developed, but the coming of a railroad along the lake shore in 1876 resulted in growth of North Parma, which later came to be named the Village of Hilton. Today, the entire Village of Hilton is within the Town of Parma. Parma Center and Parma Corners remain notable locations and activity centers within the Town.

According to the U.S. Census, the 2020 population for the Town of Parma was 10,190, a 4.5 percent increase from the 2010 Census (9,747). Data from the 2020 American Community Survey 5-year Estimates indicate that 3.7 percent of the population is 5 years of age or younger, 17.8 percent is 65 years of age or older, 8.9 percent have disabilities, and 5.5 percent are below the poverty threshold. 0.2 percent of households are non-English speaking. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

### 9.18.3 Jurisdictional Capability Assessment and Integration

The Town of Parma performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume 1, Section 6 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment includes the following analyses:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community’s adaptive capacity to withstand hazard events.

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 the hazard mitigation analysis, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. The updated mitigation strategy provided an opportunity for the Town of Parma to identify opportunities for integration of mitigation concepts that can be incorporated into municipal procedures.

#### Planning, Legal, and Regulatory Capability and Integration

The table below summarizes the regulatory tools that are available to the Town of Parma. The comment field provides information as to how the capability integrates hazard mitigation and risk reduction.



**Table 9.18-2. Planning, Legal, and Regulatory Capability and Integration**

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Codes, Ordinances, &amp; Regulations</b>				
<b>Building Code</b>	Yes	Chapter 24 Building Code Administration	State and Local	Building Department
<p><i>How does this reduce risk?</i></p> <p>This chapter provides for the administration and enforcement of the New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code) in this Town. This chapter is adopted pursuant to § 10 of the Municipal Home Rule Law. Except as otherwise provided in the Uniform Code, other state law, or other section of this chapter, all buildings, structures, and premises, regardless of use or occupancy, are subject to the provisions of this chapter.</p>				
<b>Zoning/Land Use Code</b>	Yes	Chapter 165 Zoning	Local	Planning Board, Zoning Board of Appeals
<p><i>How does this reduce risk?</i></p> <p>For the purpose of promoting the health, safety and general welfare of the people of the Town of Parma, this chapter's purpose is to regulate and restrict: the height, number of stories and size of buildings and other structures; the percentage of lot that may be occupied; the size of yards, courts and other open space; the density of population and the location and use of buildings, structures and land for business, industry, agriculture, residence or other purposes. Such chapter and the Official Zoning Map enacted pursuant to this chapter are designed: to lessen congestion in the streets; to secure safety from fire and other dangers; to provide adequate light and air; to provide for solar access and the implementation of solar energy systems; to prevent the overcrowding of land and to avoid undue concentration of population; to facilitate the efficient and adequate provision of public facilities and services; and to provide the maximum protection to residential areas from the encroachment of adverse environmental influences. Such chapter and Official Zoning Map were enacted after reasonable consideration, among other things, as to the character of the Town and its peculiar suitability for particular uses and with a view to conserving property values and natural resources and encouraging the most appropriate use of land throughout the Town.</p>				
<b>Subdivision Ordinance</b>	Yes	Chapter 130 Subdivision of Land	Local	Planning Board, Zoning Board of Appeals
<p><i>How does this reduce risk?</i></p> <p>The Town's Planning Board is tasked with site plan/subdivision review. The Planning Board is especially attentive to ensure that developments mitigate issues associated with natural hazards.</p>				
<b>Site Plan Ordinance</b>	Yes	Chapter 165 Article XIII Site Plan Regulations	Local and County	Planning Board, Zoning Board of Appeals
<p><i>How does this reduce risk?</i></p> <p>The Town of Parma Planning Board is hereby empowered to grant site plan approval in accordance with the provisions of § 274-a of the New York State Town Law. Those identified site development permit applications, or special permitted use permits requiring site plan approval as a prerequisite, are regulated as set forth in this section.</p>				
<b>Stormwater Management Ordinance</b>	Yes	Chapter 128 Stormwater Management	Local	Building Department
<p><i>How does this reduce risk?</i></p> <p>The purpose of this article is to safeguard public health, protect property, prevent damage to the environment and promote the public welfare by guiding, regulating, and controlling the design, construction, use, and maintenance of any development or other activity which disturbs or breaks the topsoil or results in the movement of earth on land in Town of Parma. It seeks to meet those purposes by achieving the following objectives:</p> <ol style="list-style-type: none"> <li>(1) Meet the requirements of minimum measures 4 and 5 of the SPDES General Permit for Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s), Permit No. GP-02-02, or as amended or revised;</li> <li>(2) Require land disturbance activities to conform to the substantive requirements of the NYS Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Construction Activities, or as amended or revised;</li> <li>(3) Minimize increases in stormwater runoff from land disturbance activities in order to reduce flooding, siltation, increases in stream temperature, and streambank erosion and maintain the integrity of stream channels;</li> <li>(4) Minimize increases in pollution caused by stormwater runoff from land disturbance activities which would otherwise degrade local water quality;</li> <li>(5) Minimize the total annual volume of stormwater runoff which flows from any specific site during and following development to the maximum extent practicable; and</li> </ol>				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
(6) Reduce stormwater runoff rates and volumes, soil erosion and nonpoint source pollution, wherever possible, through stormwater management practices and to ensure that these management practices are properly maintained and eliminate threats to public safety.				
<b>Post-Disaster Recovery/ Reconstruction Ordinance</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Real Estate Disclosure</b>	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
<i>How does this reduce risk?</i> In addition to facing potential liability for failing to disclose under the exceptions to “caveat emptor,” a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.				
<b>Growth Management</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Environmental Protection Ordinance</b>	Yes	Chapter 46 Environmental Quality Review; Chapter 62 Freshwater Wetlands	Local	
<i>How does this reduce risk?</i> Chapter 46: The purpose of this chapter is to implement, for the Town of Parma, the provisions of the State Environmental Quality Review Act and the State Environmental Quality Review Regulations, thereby incorporating environmental factors into existing planning and decision-making processes and providing additional protection for the environmental features that are specific and characteristic of the Town of Parma.  Chapter 62: It is declared to be the public policy of the Town of Parma to preserve, protect and conserve freshwater wetlands and the benefits derived therefrom, to prevent the despoilation and destruction of freshwater wetlands and to regulate the development of such wetlands in order to secure the natural benefits of freshwater wetlands, consistent with the general welfare and beneficial economic, social and agricultural development of the Town of Parma. It is further declared to be the policy of the Town of Parma to exercise its authority pursuant to Article 24 of the State Environmental Conservation Law.				
<b>Flood Damage Prevention Ordinance</b>	Yes	Chapter 59 Flood Damage Prevention	Federal, State, County and Local	
<i>How does this reduce risk?</i> It is the purpose of this chapter to promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to: A. Regulate uses which are dangerous to health, safety and property due to water or erosion hazards or which result in damaging increases in erosion or in flood heights or velocities. B. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction. C. Control the alteration of natural floodplains, stream channels and natural protective barriers which are involved in the accommodation of floodwaters. D. Control filling, grading, dredging and other development which may increase erosion or flood damages. E. Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands. F. Qualify for and maintain participation in the National Flood Insurance Program. Elevation of structures is based on the flood zone the new construction will take place in.				
<b>Wellhead Protection</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Emergency Management Ordinance</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Climate Change Ordinance</b>	No	-	-	-
<i>How does this reduce risk?</i>				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Other</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Planning Documents</b>				
<b>Comprehensive Plan</b>	Yes	1989 Town of Parma Master Plan	Local	Planning Board
<i>How does this reduce risk?</i>				
The Master Plan provides guidance on land use decision making and areas of potential development.				
<b>Capital Improvement Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Disaster Debris Management Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Floodplain Management or Watershed Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Stormwater Management Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Open Space Plan</b>	Yes	Agricultural and Farmland Protection Plan	Local	Farmland and Open Space Committee, Zoning
<i>How does this reduce risk?</i>				
Protecting agricultural lands residential and commercial developments are limited and the density of development is small. Fewer structures would mitigate losses.				
<b>Urban Water Management Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Habitat Conservation Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Economic Development Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Shoreline Management Plan</b>	Yes	Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas  6 NYCRR Part 505, Coastal Erosion Management Regulations	State, Local	
<i>How does this reduce risk?</i>				
<b>Community Wildfire Protection Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Community Forest Management Plan</b>	Yes	Environmental Protection Overly District Wood lots	Local	Building Department
<i>How does this reduce risk?</i>				
The purpose of the Woodlot Protection District is to preserve and protect the aesthetic, wildlife habitat and air quality benefits of woodlots located within the Town of Parma. The controls and regulations of this district are designed to limit the potential adverse impacts of development actions on woodlots by managing development in these areas and by requiring review and permit approval prior to the start of construction.				
<b>Transportation Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Agriculture Plan</b>	Yes	Agricultural and Farmland Protection Plan	Local	Farmland and Open Space Committee, Zoning
<i>How does this reduce risk?</i>				
Protecting agricultural lands residential and commercial developments are limited and the density of development is small. Fewer structures would mitigate losses.				
<b>Climate Action/ Resiliency/Sustainability Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Tourism Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Business/ Downtown Development Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Other</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Response/Recovery Planning</b>				
<b>Comprehensive Emergency Management Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Continuity of Operations Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Substantial Damage Response Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Strategic Recovery Planning Report</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Post-Disaster Recovery Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Public Health Plan</b>	No	-	-	-
<i>How does this reduce risk?</i>				
<b>Other</b>	No	-	-	-
<i>How does this reduce risk?</i>				

### Development and Permitting Capability

The table below summarizes the capabilities of the Town of Parma to oversee and track development.



**Table 9.18-3. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Yes/No	Comment:
Do you issue development permits?	Yes	-
<ul style="list-style-type: none"> <li>If you issue development permits, what department is responsible?</li> </ul>	N/A	The Building Department and the Planning Board are responsible for issuing permits
<ul style="list-style-type: none"> <li>If you do not issue development permits, what is your process for tracking new development?</li> </ul>	N/A	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	The Town issues floodplain development permits.
Do you have a buildable land inventory?	No	-
<ul style="list-style-type: none"> <li>If you have a buildable land inventory, please describe</li> </ul>	N/A	-
Describe the level of build-out in your jurisdiction.	N/A	The Town is primarily rural with large open space and farms. Residential homes are built on the main roads within the Town. Small subdivisions populate various areas of the Town with larger subdivision surrounding the Village of Hilton and the area south of Route 104.

**Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to the Town of Parma and their current responsibilities that contribute to hazard mitigation.

**Table 9.18-4. Administrative and Technical Capabilities**

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
<b>Administrative Capability</b>		
Planning Board	Yes	Planning Board. The 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 State Environment Quality Review (SEQR) and Federal National Environmental Protection Act (NEPA) requirements.
Zoning Board of Adjustment	Yes	Zoning Board of Appeals. The 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 State Environment Quality Review (SEQR) and Federal National Environmental Protection Act (NEPA) requirements.
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	Yes	Farmland and Open Space Protection Committee
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	Highway Department and Department of Public Works.
Construction/Building/Code Enforcement Department	Yes	Building Department. The Town Code enforcement officer enforces government permit processes. The Town Building Inspectors provides comprehensive inspection services for existing and/or new



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
		infrastructure as part of ongoing municipal operations. The Town Building Inspector administers a Floodplain Management Program as part of ongoing municipal operations.
Emergency Management/Public Safety Department	No	-
Warning Systems / Services (mass notification system, outdoor warning signals, etc.)	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	No	-
Mutual aid agreements	Yes	The Town Department of Public Works (DPW) solicits and maintains mutual aid agreements with the Village of Hilton DPW as part of its ongoing annual operations. The Town DPW solicits inter-municipal and interagency cooperation as part of ongoing municipal operations.
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	No	-
Other	No	-
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Building and Development Coordinator
Engineers or professionals trained in building or infrastructure construction practices	Yes	Deputy Fire Marshal
Planners or engineers with an understanding of natural hazards	Yes	Department of Public Works (DPW)
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Environmental scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	No	-
Grant writer(s)	Yes	Department of Public Works
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-
<b>Administrative/technical capability self-assessment</b>		
<b>Describe how your administrative/technical capabilities contribute to risk reduction in your community.</b>		
The Town is focused on maintaining compliance with Federal, State and Local regulations and codes. By doing so, the Town provides the community with the best chance of mitigating a potential disaster by building infrastructure in locations less susceptible to hazards and building compliant structures within potential hazard areas.		

### Fiscal Capability

The table below summarizes financial resources available to the Town of Parma.





**Table 9.18-5. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	Yes
Stormwater utility fee	No
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	No
Other federal or state Funding Programs	No
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

**Education and Outreach Capability**

The table below summarizes the education and outreach resources available to the Town of Parma.

**Table 9.18-6. Education and Outreach Capabilities**

Outreach Resources	Available? (Yes/No)	Comment:
Public information officer or communications office	No	-
Personnel skilled or trained in website development	Yes	Outsourced to local company
Hazard mitigation information available on your website	Yes	Town Code and our previous HMP is available at request.
Social media for hazard mitigation education and outreach	Yes	Hilton Parma Recreation Facebook Page
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Parks and Recreation Committee
Warning systems for hazard events	Yes	Residents can sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.
Natural disaster/safety programs in place for schools	No	-
Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? <ul style="list-style-type: none"> <li>If yes, please describe.</li> </ul>	No	-

**Community Classifications**

The table below summarizes classifications for community programs available to the Town of Parma.





**Table 9.18-7. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
New York State Department of Environmental Conservation (NYSDEC) Climate Smart Community	No	-	-
Storm Ready Certification	No	(Monroe County is StormReady)	-
Firewise Communities classification	No	-	-
Other	No	-	-

Note:

N/A Not applicable

- 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). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each identified hazard of concern and the jurisdiction’s capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement.

**Table 9.18-8. Adaptive Capacity**

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Disease Outbreak	Moderate
Drought	Moderate
Earthquake	Moderate
Extreme Temperature	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Infestation and Invasive Species	Weak
Landslide	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Wildfire	Moderate

### 9.18.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP. The Floodplain Administrator is responsible for maintaining this information and is listed in the Hazard Mitigation Planning Team table at the beginning of this annex.

#### National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Town of Parma.





**Table 9.18-9. NFIP Summary**

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties (FMA definition)	# RL Properties (NFIP definition)	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Parma	100	9	\$46,158	0	-	0	77

Source: FEMA Region 2 2015

Note (1): Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and are current as of June 30, 2015. The total number of repetitive loss properties does not include severe repetitive loss properties. Number of claims represents claims closed by June 30, 2015.

Note (2): Total building and content losses from the claims file provided by FEMA Region 2.

Note (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.

RL FMA Definition Any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on the average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.

RL NFIP Definition Any insurable building for which two or more claims of more than \$1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978.

### Flood Vulnerability Summary

The following table provides a summary of the NFIP program in the Town of Parma.

**Table 9.18-10. NFIP Summary**

NFIP Topic	Comments
<b>Flood Vulnerability Summary</b>	
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> <li>Do you maintain a list of properties that have been damaged by flooding?</li> </ul>	Lake Ontario Coastline, low lying areas and Stream/Creeks. A list is not currently maintained; however, damaged structures are required to obtain Building Permits.
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> <li>How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?</li> </ul>	No
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what projects are underway.</li> </ul>	No
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> <li>How many were declared for recent flood events in your jurisdiction?</li> </ul>	The Town utilizes Local Zoning Chapter 59 and the NYS Uniform Code
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> <li>If there are mitigation properties, how were the projects funded?</li> </ul>	NA
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If not, state why.</li> </ul>	Yes, however, the elevation of the costal floodplain on Lake Ontario seems low compared to existing grade elevations. 2019 and 2017 floods have shown the water level has risen above these grades.
<b>NFIP Compliance</b>	
What local department is responsible for floodplain management?	Building Department
Are any certified floodplain managers on staff in your jurisdiction?	No
Do you have access to resources to determine possible future flooding conditions from climate change?	Online resources



NFIP Topic	Comments
<p>Does your floodplain management staff need any assistance or training to support its floodplain management program?</p> <ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>	<p>Yes, training is always welcome. Town staff work to attend as many training programs as possible.</p>
<p>Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)</p>	<p>All development and construction within the floodplain hazard and costal erosion hazard areas are required to obtain a permit. Permit review begins with determining the hazard area and the requirements required to build. The Town determines the hazard area by using FEMA hazard maps and their GIS maps website along with hard copy FIRM Maps onsite. The Town uses local codes and NYS Uniform Code for review compliance. All project requirements are discussed with the Homeowner/Contractor and additional materials are submitted if required. Inspections are performed by the Building Department during construction. If required, the Town utilizes MRB Associates for engineering.</p>
<p>How do you determine if proposed development on an existing structure would qualify as a substantial improvement?</p>	<p>The Town follows local and State codes to determine the construction/renovation/repair is a substantial improvement. If the construction/renovation/repair is 50% or more of the market value of the structure it is a substantial improvement. The Town utilizes assessor data and realtor information to determine the value.</p>
<p>What are the barriers to running an effective NFIP program in the community, if any?</p>	<p>Staffing, time, and politics</p>
<p>Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed?</p> <ul style="list-style-type: none"> <li>If so, state the violations.</li> </ul>	<p>No</p>
<p>When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?</p>	<p>The most recent Community Assistance Visit was April 11, 2018 and the most recent Community Assistance Contact was not documented.</p>
<p>What is the local law number or municipal code of your flood damage prevention ordinance?</p> <ul style="list-style-type: none"> <li>What is the date that your flood damage prevention ordinance was last amended?</li> </ul>	<p>Town Code Chapter 59. Adopted by the Town Board of the Town of Parma July 15, 2008 by L.L. No. 1-2008. Amendments noted where applicable.</p>
<p>Does your floodplain management program meet or exceed minimum requirements?</p> <ul style="list-style-type: none"> <li>If exceeds, in what ways?</li> </ul>	<p>The Town meets minimum requirements.</p>
<p>Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?</p>	<p>The Town site plan review process with the Planning Board reviews floodplain compliance.</p>
<p>Does your community plan to join the CRS program or is your community interested in improving your CRS classification?</p>	<p>Not at this time.</p>

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

Evacuation routes, sheltering measures, temporary housing, and permanent housing must 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 and Procedures

The Town of Parma identified the following routes and procedures to evacuate residents prior to and during an event.

- The Town does not have official evacuation routes or procedures.

### Sheltering

The Town of Parma has identified the following designated emergency shelters within the Town.

**Table 9.18-11. Designated Emergency Shelters**

Site Name	Address	Capacity (# of people)	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Hilton High School	400 East Ave, Hilton, NY 14468	TBD	TBD	TBD	Yes	TBD	TBD
Merton Williams Middle School	200 School Ln, Hilton, NY 14468	TBD	TBD	TBD	Yes	TBD	TBD

### Temporary Housing

Each jurisdiction must identify sites for placement of temporary housing units to house residents displaced by a disaster. The Town of Parma has identified the following sites suitable for placing temporary housing units.

**Table 9.18-12. Temporary Housing Locations**

Site Name	Site Address	Capacity (number of sites)	Type	Infrastructure / Utilities Available (water, electric, septic, etc.)	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
None identified					

### Permanent Housing

Structures located in the regulatory floodplain might need to be relocated due to high flood risk or new properties must be built once severely damaged properties are demolished. Jurisdictions must identify suitable sites currently owned by the jurisdiction and potential sites under private ownership that meet applicable local zoning requirements and floodplain laws. The Town of Parma has identified the following areas suitable for relocating homes outside of the floodplain.

**Table 9.18-13. Permanent Housing Locations**

Site Name	Site Address	Capacity (number of sites)	Type	Infrastructure / Utilities Available (water, electric, septic)	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
None identified					

### 9.18.6 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 appreciating a jurisdiction’s overall risk to its hazards of concern. Table 9.18-14 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development.

**Table 9.18-14. Recent and Expected Future Development**

Type of Development	2017		2018		2019		2020		2021		2022	
<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>	<b>Total</b>	<b>Within SFHA</b>
Single Family	42	0	47	0	43	0	41	1	26	0	Final statistics for 2022 were not available for this HMP update.	
Multi-Family	0	0	0	0	0	0	0	0	0	0		
Other (commercial, mixed-use, etc.)	2	0	3	0	0	0	2	0	4	0		
<b>Total New Construction Permits Issued</b>	<b>44</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>43</b>	<b>1</b>	<b>30</b>	<b>0</b>		
<b>Property or Development Name</b>	<b>Type of Development</b>		<b># of Units / Structures</b>		<b>Location (address and/or block and lot)</b>		<b>Known Hazard Zone(s)*</b>			<b>Description / Status of Development</b>		
<b>Recent Major Development and Infrastructure from 2017 to Present</b>												
None identified												
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>												
None anticipated												

SFHA Special Flood Hazard Area (1% flood event)

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

### 9.18.7 Jurisdictional Risk Assessment

The hazard profiles in Volume 1, Section 5 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Section 5.2 (Methodology and Tools) and Section 5.4 (Hazard Ranking) provide detailed summaries for the Town of Parma’s risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps provided below illustrate the probable areas impacted within the jurisdiction based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps were generated only for those hazards that can be identified clearly using mapping techniques and technologies and for which the Town of Parma has significant exposure. The maps also show the location of potential new development, where available.



Figure 9.18-1. Town of Parma Hazard Area Extent and Location Map 1

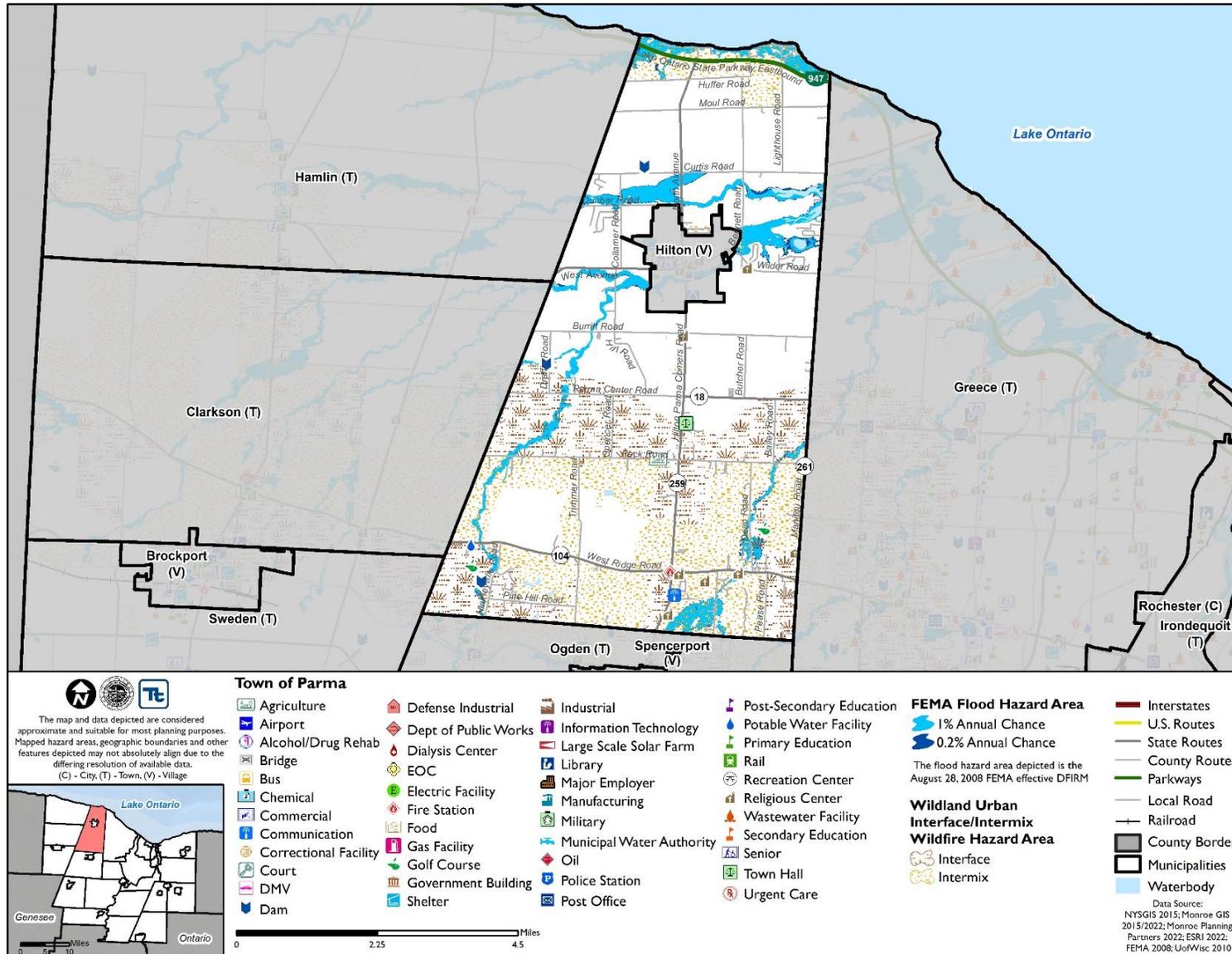
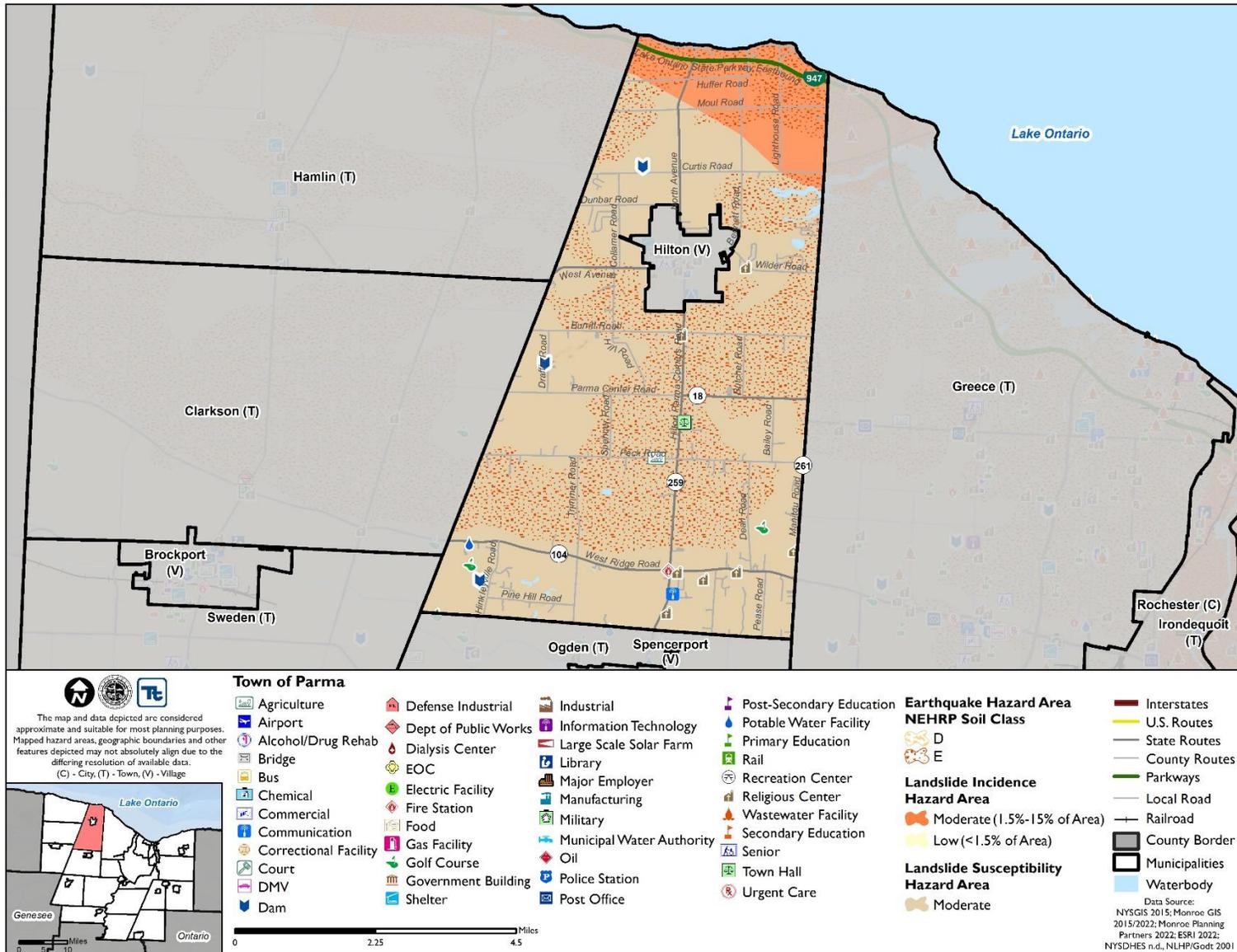




Figure 9.18-2. Town of Parma Hazard Area Extent and Location Map 2





### Hazard Event History

Monroe County has a history of natural and non-natural hazard events, as detailed in Volume I, Section 5 (Risk Assessment). 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.

The Town of Parma’s history of federally-declared (as presented by FEMA) and significant hazard events [as presented in NOAA-National Centers for Environmental Information (NCEI)] is consistent with that of the County. Table 9.18-15 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources.

**Table 9.18-15. Hazard Event History**

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
March 8, 2017	High Wind	No	Unusually deep low pressure moved from northwest Ontario across Hudson Bay. The low brought strong winds to the entire region with sustained winds up to 49 mph and wind gusts as high as 81 mph. A significant amount of damage resulted with 100,000 without power in Monroe County alone.	Downed trees, roof damage, Structural damage due to Fallen trees.
May 2- August 6, 2017	Flooding (DR-4348)	Yes	During the first six months of 2017, more than twice the normal amount of water accumulated on Lake Ontario. The lake reached a record level of 248.95 feet. Flooding began in early May and continued into early fall.	Damaged homes along the lake front, 2-3 houses damaged beyond repair, several houses with interior and exterior damage
May-June 2019	Lakeshore Flood	No	Excessive runoff into the Ottawa River Basin in Canada restricted the outlet of Lake Ontario. This combined with above normal precipitation into the Lake Ontario Basin, record levels on the Great Lakes above Lake Ontario, and higher than normal flows into the lake from the Niagara River pushed the lake to well above normal levels.	Damaged homes along the lake front, several houses with interior and exterior damage
October 31, 2019	High Wind and Flooding	No	A deepening area of consolidated low pressure tracked across the region. This system brought record breaking Halloween rains, damaging wind gusts, and a small Lake Ontario seiche	Shingle loss and minimal flooding
January 20, 2020 – Present	Covid-19 Pandemic (EM-3434) (DR-4480)	Yes	Between March 1, 2020 and July 20, 2022, Monroe County reported 171,851 confirmed cases of COVID-19, and 1,660 total fatalities.	Time, revenue, and compliance with regulations caused a burden

**Notes:**

- EM      Emergency Declaration (FEMA)
- FEMA    Federal Emergency Management Agency
- DR      Major Disaster Declaration (FEMA)
- N/A     Not applicable





### Hazard Ranking and Vulnerabilities

The hazard profiles in Volume 1, Section 5 (Risk Assessment) have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Town of Parma’s risk assessment results and data used to determine the hazard ranking.

#### Hazard Ranking

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 Volume 1, Section 5 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; and community capabilities to address the hazard and changing future climate conditions. Mitigation action development uses the inputs from the evaluation to target those hazards with highest level of concern.

As discussed in Volume 1, Section 5.3 (Hazard Ranking), each participating jurisdiction has differing degrees of risk exposure and vulnerability compared with the County 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 Town of Parma. The Town of Parma reviewed the County hazard risk/vulnerability risk ranking table and 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 Town indicated the following:

- The Town agreed with the calculated hazard rankings.

Table 9.18-16. Hazard Ranking Input

Disease Outbreak	Drought	Earthquake	Extreme Temperature	Flood	Hazardous Materials
Low	Medium	Low	Medium	High	Low
Infestation and Invasive Species	Landslide	Severe Storm	Severe Winter Storm	Wildfire	
Low	Low	High	High	Medium	

Note: The scale is based on the hazard rankings established in Volume 1, Section 5.3 (Hazard Ranking) and modified as appropriate during review by the jurisdiction

#### Critical Facilities

NYSDEC 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 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, New York 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 0.2-percent annual chance flood event or worst damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazus-MH estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.





Table 9.18-17. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event		
None identified					

Source: FEMA 2008; Monroe County GIS 2022

### Identified Issues

After review of the Town of Parma’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Town of Parma identified the following vulnerabilities within their community:

- The Town Hall is critical facility that requires continuous power to provide critical services for the community. The Town Hall lacks a backup power source.
- The following culverts have been identified as being undersized:
  - 56 Parma Center Road
  - 84 Collamer Road
  - 165 Moul Road
- The Town can be impacted by hazards that are not as frequent or do not have the same severity of impact. Residents are not always aware of the risks these hazards present.
- The Town does not have official evacuation routes or procedures.
- Lakeshore Roads are in disrepair and hinder evacuations and emergency vehicles when responding to the area.
- Staff require training on subjects such as grant writing, disaster response, and recovery.
- Monroe County coastal municipalities are currently undergoing a FIRM update which may result in changes in building requirements.
- While major events that result in substantial damage of structures are rare, municipalities need to have official procedures in place to inspect structures, make determinations, and provide for appeals.

### 9.18.8 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritizes actions to address over the next five years.

#### Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2017 HMP. Actions that are in progress are carried forward and combined with new actions as part of this plan update and are included in the tables with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such and previously presented in the ‘Capability Assessment’ earlier in this annex.



Table 9.18-18. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		<ol style="list-style-type: none"> <li>Next Steps Project to be included in 2023 HMP or Discontinue</li> <li>If including action in the 2023 HMP, revise/reword to be more specific (as appropriate).</li> <li>If discontinue, explain why.</li> </ol>
						Cost	Level of Protection	
TPM-1	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 and/or new infrastructure. (FI-SP-5)	Flood, Severe Storm	Out of Parma jurisdiction. Contact the Village Of Hilton DPW	DPW	No Progress			<ol style="list-style-type: none"> <li>Discontinue</li> <li></li> <li>Out of Town of Parma jurisdiction. This is being addressed in the Village of Hilton mitigation strategy.</li> </ol>
TPM-2	Flood mitigation along Route 259 in the Town of Parma. Parma DPW is currently seeking a state grant to fund this project.	Flood, Severe Storm	Major flooding of road and several backyards.	Highway Department	Complete		\$80,540	<ol style="list-style-type: none"> <li>Discontinue</li> <li></li> <li>Complete</li> </ol>
TPM-3	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.	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storm, Severe Winter Storm, Wildfire, HazMat, Utility Failure	Residents sometimes are unaware of dangers until after an event. Education and outreach are needed to provide information	Town Clerk	In Progress		--	<ol style="list-style-type: none"> <li>Include in 2023 HMP</li> <li></li> <li></li> </ol>
TPM-4	Attend county and state trainings, and complete certification programs with respect to hazard risk management in Benefit Cost Analysis (BCA), Recovery	All Hazards	NA	Monroe County, Town/Village Emergency Management Committee (EMC), Building, Highway, Code	In Progress		--	<ol style="list-style-type: none"> <li>Include in 2023 HMP</li> <li></li> <li></li> </ol>





Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		<ol style="list-style-type: none"> <li>1. Next Steps Project to be included in 2023 HMP or Discontinue</li> <li>2. If including action in the 2023 HMP, revise/reword to be more specific (as appropriate).</li> <li>3. If discontinue, explain why.</li> </ol>
	Planning, Damage Estimates, and Debris Management.			Enforcement, Planning				

DRAFT



### Additional Mitigation Efforts

In addition to the mitigation initiatives completed in Table 9.18-18, the Town of Parma identified the following mitigation efforts completed since the last HMP:

- The Town received a REDI Grant to address storm sewer drainage. Backflow preventors and new lines were installed. Provided areas to pump to help manage water levels in a flood event.

### Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Parma participated in a mitigation action workshop in October 2022 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).

The table below indicates the range of proposed mitigation action categories. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide-range of activities and mitigation measures selected.

**Table 9.18-19. Analysis of Mitigation Actions by Hazard and Category**

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Disease Outbreak	X	-	-	X	X	X	X	-	-	X
Drought	X	-	-	X	X	X	X	-	-	X
Earthquake	X	-	-	X	X	X	X	-	-	X
Extreme Temperature	X	X	-	X	X	X	X	-	-	X
Flood	X	X	-	X	X	X	X	-	X	X
Hazardous Materials	X	-	-	X	X	X	X	-	-	X
Infestation and Invasive Species	X	-	-	X	X	X	X	-	-	X
Landslide	X	-	-	X	X	X	X	-	-	X
Severe Storm	X	X	-	X	X	X	X	-	X	X
Severe Winter Storm	X	X	-	X	X	X	X	-	-	X
Wildfire	X	-	-	X	X	X	X	-	-	X

Note: Mitigation categories are described below the Mitigation Initiatives Table (Table 9.18-20).

The table below summarizes the specific mitigation initiatives the Town of Parma would like to pursue in the future to reduce the effects of hazards. The 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.



Table 9.18-20. 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
2023-Town of Parma-001	Town Hall Generator	3	Extreme Temperature, Severe Storm, Severe Winter Storm	<p><b>Problem:</b> The Town Hall is critical facility that requires continuous power to provide critical services for the community. The Town Hall lacks a backup power source.</p> <p><b>Solution:</b> The Engineer will evaluate the Town Hall to determine the proper size generator necessary to power the building. Public Works will oversee installation of a fixed generator and necessary electrical components to supply backup power to the Town Hall. Public Works will be responsible for maintenance and testing of the generator following installation.</p>	Yes	None	Within 5 years	Engineer, Public Works	High	Protect public health and safety and ensure continued operation of critical facility and essential functions during power outages.	FEMA HMGP and BRIC, PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	High	SIP	ES
2023-Town of	Upsize Culverts	3	Severe Storm, Flood	<b>Problem:</b> The following culverts have been	No	Permitting may be required	Within 5 years	Engineer, DPW,	High	Reduction in flooding, flood	HMGP, BRIC, PDM,	High	SIP	SP





Table 9.18-20. 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
Parma-002				<p>identified as being undersized:</p> <ul style="list-style-type: none"> <li>56 Parma Center Road</li> <li>84 Collamer Road</li> <li>165 Moul Road</li> </ul> <p>Undersized culverts can become damaged and contribute to flooding.</p> <p><b>Solution:</b> The Town Engineer will complete an engineering survey of the undersized culverts to determine the proper size necessary to provide stormwater capacity. The Town DPW will complete the necessary upsizing for those culverts noted to be undersized.</p>				Administration		damages to culverts and roadways	CHIPS, Town budget			
2023-Town of	Evacuation Procedure	1	All Hazards	<b>Problem:</b> The Town does not have official	No	None	2 years	OEM, Administration, Hilton	Staff time	Official evacuation and	Town budget	High	LPR	ES



Table 9.18-20. 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
Parma-003	Development			<p>evacuation routes or procedures.</p> <p><b>Solution:</b> The Town OEM will work with the Administration to develop official evacuation procedures. Where necessary, the Town will work with neighbors to establish MOUs for evacuation, especially with routes that connect to regional shelters to ensure neighboring municipalities are prepared to handle the Town's evacuated citizens. The Town will work with Hilton Central Schools to confirm details for the Town's sheltering arrangements.</p>				Central Schools, Neighboring Municipalities		sheltering procedures established				
2023-Town of Parma-004	Lakeshore Roads	3	Flood, Severe Storm	<p><b>Problem:</b> Lakeshore Roads are in disrepair and hinder evacuations and emergency vehicles when responding to the area.</p>	No	None	Within 5 years	Administration, Highway Department, Engineer	High	Damaged roads and sanitary sewer restored and strengthened.	Town budget, municipal bond	High	SIP	PP





Table 9.18-20. 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
				<p><b>Solution:</b> The Town will work with community leaders and finance director for funding to repair and replace damaged roads to a higher standard. The Engineer will work with the Highway Department will complete repaving efforts along the lakeshore after the new sanitary sewer system is installed.</p>										
2023-Town of Parma-005	Hazard Outreach	1, 4	All Hazards	<p><b>Problem:</b> The Town can be impacted by hazards that are not as frequent or do not have the same severity of impact. Residents are not always aware of the risks these hazards present.</p> <p><b>Solution:</b> The Town will conduct education and outreach to residents and business owners to inform them if their properties are in known hazard</p>	No	None	1 year	Administration	Staff time	Increased public awareness	Town budget	High	EAP	PI





Table 9.18-20. 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
				areas, and actions they can take to protect their properties.										
2023-Town of Parma-006	Staff Training	1, 4	All Hazards	<p><b>Problem:</b> Staff require training on subjects such as grant writing, disaster response, and recovery.</p> <p><b>Solution:</b> The Town will have key staff attend county and state trainings, and complete certification programs with respect to hazard risk management in Benefit Cost Analysis (BCA), Recovery Planning, Damage Estimates, and Debris Management.</p>	No	None	2 years	Administration	Staff time	Increased capability for disaster response and recovery, grant applications, etc.	Town budget	High	LPR	PR, ES
2023-Town of Parma-007	FIRM updates	1, 2, 4	Flood	<p><b>Problem:</b> Monroe County coastal municipalities are currently undergoing a FIRM update which may result in changes in building requirements.</p>	No	None	Within 2 years	FEMA, FPA	Staff time	Improvement in best available data, increased public awareness	Municipal budget	High	LPR, EAP	PR, PI





Table 9.18-20. 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
				<p><b>Solution:</b> The municipality will review preliminary mapping from FEMA and provide input and feedback on the preliminary maps. Once the maps are finalized, the municipality will adopt the FIRM through an updated Flood Damage Prevention Ordinance. The municipality will assist FEMA in outreach concerning the new maps and conduct outreach on any potential changes to building/insurance requirements.</p>										
2023-Town of Parma-008	Substantial Damage Procedures	1, 2, 3	All Hazards	<p><b>Problem:</b> While major events that result in substantial damage of structures are rare, municipalities need to have official procedures in place to inspect structures, make determinations,</p>	No	None	Within 5 years	FPA	Staff time	Meet NFIP requirements, improved floodplain administration	Municipal budget	High	LPR	PP, PR





**Table 9.18-20. 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
				and provide for appeals. <b>Solution:</b> The municipality will develop official procedures for Substantial Damage and Substantial Improvement determinations.										

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
- 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

Potential FEMA HMA Funding Sources:

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

Timeline:

The time required for completion of the project upon implementation.

Cost:

The estimated cost for implementation.

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.

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The prioritization criteria provided in Volume 1, Section 6 (Mitigation Strategy) identify 14 evaluation/prioritization criteria 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 actions as ‘High’, ‘Medium’, or ‘Low.’ The table below provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

**Table 9.18-21. 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
2023-Town of Parma-001	Town Hall Generator	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2023-Town of Parma-002	Upsize Culverts	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High
2023-Town of Parma-003	Evacuation Procedures	1	0	1	1	1	0	1	1	1	1	1	1	1	1	12	High
2023-Town of Parma-004	Lakeshore Roads	1	1	1													
2023-Town of Parma-005	Hazard Outreach	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2023-Town of Parma-006	Staff Training	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2023-Town of Parma-007	FIRM updates	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2023-Town of Parma-008	Substantial Damage Procedures	0	1	1	1	1	1	1	1	1	1	1	0	1	1	12	High

Note: Volume 1, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



### **9.18.9 Action Worksheets**

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The following action worksheets were developed by the Town of Parma to aid in the submittal of grant applications to support the funding of high priority proposed actions.

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Action Worksheet			
<b>Project Name:</b>	Town Hall Generator		
<b>Project Number:</b>	2023-Town of Parma-001		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	All Hazards		
<b>Description of the Problem:</b>	The Town Hall is critical facility that requires continuous power to provide critical services for the community. The Town Hall lacks a backup power source.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	The Engineer will evaluate the Town Hall to determine the proper size generator necessary to power the building. Public Works will oversee installation of a fixed generator and necessary electrical components to supply backup power to the Town Hall. Public Works will be responsible for maintenance and testing of the generator following installation.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</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>	N/A	<b>Estimated Benefits (losses avoided):</b>	Protect public health and safety, and ensure continued operation of critical facility and essential functions during power outages.
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	3
<b>Estimated Cost:</b>	High	<b>Mitigation Action Type:</b>	Structure and Infrastructure Projects (SIP)
<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>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget
<b>Responsible Organization:</b>	Engineer, Public Works	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
<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.
	Install solar panels	\$100,000	Weather dependent; need large amount of space for installation; expensive if repairs needed
	Install wind turbine	\$100,000	Weather dependent; poses a threat to wildlife; expensive repairs if needed
<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>	Town Hall Generator	
<b>Project Number:</b>	2023-Town of Parma-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical services of critical facilities
Property Protection	1	Project will protect buildings from power loss.
Cost-Effectiveness	1	
Technical	1	The project is technically feasible
Political	1	
Legal	1	The Town has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	All Hazards
Timeline	0	Within 5 years
Agency Champion	1	Engineer, Public Works
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Upsize Culverts		
<b>Project Number:</b>	2023-Town of Parma-002		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	The following culverts have been identified as being undersized: <ul style="list-style-type: none"> <li>• 56 Parma Center Road</li> <li>• 84 Collamer Road</li> <li>• 165 Moul Road</li> </ul> Undersized culverts can become damaged and contribute to flooding.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Town Engineer will complete an engineering survey of the undersized culverts to determine the proper size necessary to provide stormwater capacity. The Town DPW will complete the necessary upsizing for those culverts noted to be undersized.		
<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 100-year floodplain?</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 flooding, flood damages to culverts and roadways
<b>Useful Life:</b>	30 years	<b>Goals Met:</b>	3
<b>Estimated Cost:</b>	High	<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, Town budget
<b>Responsible Organization:</b>	Engineer, DPW, Administration	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Stormwater Management
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Remove roads	\$100,000	Roadways cannot be removed
	Relocate roads to another location	N/A	Not possible
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>	Upsize Culverts	
<b>Project Number:</b>	2023-Town of Parma-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	The project is technically feasible
Political	1	
Legal	1	The Town 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	Engineer, DPW, Administration
Other Community Objectives	1	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	