



9.20 TOWN OF PERINTON

This section presents the jurisdictional annex for the Town of Perinton.

9.20.1 Hazard Mitigation Plan Point of Contact

These individuals have been identified as the hazard mitigation plan’s primary and alternate points of contact:

| Primary Point of Contact | Alternate Point of Contact |
|--|---|
| Greg Seigfred, Fire Marshal 1350 Turk Hill Road, Fairport, NY 14450 585-223-0770 gseigfred@perinton.org | Eric Williams, Assistant to the Commissioner of Public Works 100 Cobb’s Lane, Fairport, NY 14450 585-223-5115 ewilliams@perinton.org |

9.20.2 Municipal Profile

Per the 2010 U.S. Census, the Town of Perinton had a population of 46,462. The Town has a land area of 34.19 square miles and a water area of 0.36 square mile. Perinton is on the far east of Monroe County. It completely encircles the Village of Fairport; the Town of Perinton borders the Town of Pittsford to the West, the Town/Village of East Rochester to the northwest, the Town of Penfield to the north, the County of Wayne to the east, and the County of Ontario to the south.

The Town of Perinton contains several hamlets, including, Bushnell’s Basin, Egypt, Fairport Road, Whitney Road, and Route 31. Land use in the Town of Perinton is primarily devoted to residential use, vacant land, and agricultural use. Agriculture is most prevalent in the southeast and northeast corners. The Town’s most well-known waterbody is the Erie Canal (7.3 miles of the canal run through Perinton). Irondequoit Creek, Thomas Creek, and White Brook are other notable waterways. The Town contains several wetlands, such as the Thomas Creek wetland, the White Brook Nature Area, and the Powder Mills Park area (Perinton Comprehensive Plan 2011).

Growth/Development Trends

Table 9.2-1 summarizes recent residential/commercial development from 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development identified for the next 5 years. Figure 9.20-1 illustrates landslide and wildfire hazard areas and Figure 9.20-2 illustrates flood hazard areas.

Table 9.20-1. Growth and Development

| Property or Development Name | Type (e.g. Res., Comm.) | # of Units / Structures | Location (address and/or Parcel ID) | Known Hazard Zone(s) | Description/Status of Development |
|--|-------------------------|-------------------------|-------------------------------------|----------------------|--|
| Recent Development from 2010 to present | | | | | |
| Indian Valley Sewer Project | Res. | 151 units | Indian Valley Subdivision | None Known | Expansion of town sewer system to entire subdivision |
| Creekstone PDD | Res. | 160 units | Mason/Route 31 | None Known | Single family, townhouse, apartments |
| Stonebrook PDD | Res. | 87 Units | Loud Road / Route 31 | None Known | Single family and townhouses |
| Glen at Perinton Hills | Res. | 60 | Moseley Road / Route 31 | None Known | 6, 10-unit apartment buildings |
| Hickory Woods | Res. | 19 | Shagbark Way | None Known | 2 single family, 17 townhouse units |



| Property or Development Name | Type (e.g. Res., Comm.) | # of Units / Structures | Location (address and/or Parcel ID) | Known Hazard Zone(s) | Description/Status of Development |
|--|-------------------------|-------------------------|-------------------------------------|----------------------|---|
| Ramsdell park | Res. | 10 | Route 31 | None Known | 10 townhouse units |
| Summit at Woodcliff | Res. | 31 | Woodcliff Drive | None Known | 31 single family homes |
| Basin View Subdivision | Res. | 12 | Thornell / Route 96 | None Known | 12 single family homes |
| Single Family Homes | Res. | 178 | Throughout town | None Known | 178 Single family home permits issued since 1/1/2010 |
| Banks | Comm. | 3 | Throughout | None Known | 3 banks constructed since 1/1/2010 |
| Senior Living Facility | Comm. | 40 | Creekstone PDD | None Known | Assisted living facility |
| Antonelli Storage | Comm. | 6 | Whitney Road | None Known | 6 ministorage buildings |
| Walgreens/CVS | Comm. | 2 | Route 31, Route 31F | None Known | 2 new stand-alone retail bldgs |
| Known or Anticipated Development in the Next Five (5) Years | | | | | |
| Comstock area | Comm. and Res. | N/A | Route 31 | None Known | Demolish existing warehouse for mixed use residential and business |
| Fairport Rd Corridor | Comm. and Res. | N/A | Fairport Road | None Known | Redevelop vacant car dealership into mixed use residential and business |
| Whitney Rd Senior Apartments | Comm. and Res. | N/A | Whitney Road | None Known | Redevelop vacant building into senior apartments and mixed business/retail building |
| Stonebrook Apartment Building | Res. | 42 | Loud Road / Route 31 | None Known | Proposed 42 unit senior apartment building |

* Only location-specific hazard zones or vulnerabilities identified.

9.20.3 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 in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is in Table 9.2-2. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.20-2. Hazard Event History

| Dates of Event | Event Type | FEMA Declaration # (If Applicable) | County Designated? | Summary of Damages/Losses |
|-------------------------|---|------------------------------------|--------------------|---|
| May 8, 2010 | High Wind | N/A | N/A | Collected tree debris from affected residential areas |
| April 26 - May 8, 2011 | Severe Storms, Flooding, Tornadoes, and Straight-line Winds | DR-1993 | No | Collected tree debris from affected residential areas |
| June 26 - July 11, 2013 | Severe Storms and Flooding | DR-4129 | No | Collected tree debris from affected |





| Dates of Event | Event Type | FEMA Declaration # (If Applicable) | County Designated? | Summary of Damages/Losses |
|-------------------|----------------------------|------------------------------------|--------------------|--|
| | | | | residential areas |
| Oct 18, 2013 | Train derailment | N/A | No | Seven rail cars carrying soybeans derailed and overturned, no negative impacts but reaffirmed hazard potential |
| December 21, 2013 | Ice Storm | N/A | N/A | Collected tree debris from affected residential areas |
| May 13-22, 2014 | Severe Storms and Flooding | DR-4180 | No | Minor localized flooding |
| May 16, 2014 | Flooding | N/A | No | Erie canal overflowed at floodways, causing three houses to be damaged on Little Brook Dr. |

9.20.4 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. Table 9.2-3 summarizes the hazard vulnerabilities and their ranking in the Town of Perinton. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

Table 9.20-3 below summarizes hazard risk/vulnerability rankings of potential hazards for the Town of Perinton. The hazards of concern for the Town are those with a High hazard ranking.

Table 9.20-3. Hazard Risk/Vulnerability Risk Ranking

| Hazard type | Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c} | Probability of Occurrence | Risk Ranking Score (Probability x Impact) | Hazard Ranking ^b |
|---------------------|---|---------------------------|---|-----------------------------|
| Severe Storm | Expected Losses from Wind Alone: \$0 | 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: \$106,811,925 5% Damage Loss Estimate: \$534,059,623 10% Damage Loss Estimate: \$1,068,119,246 | Frequent | 36 | High |
| Earthquake | 100-year MRP GBS: \$432,582 500-year MRP GBS: \$7,855,790 2,500-year MRP GBS: \$89,911,988 Annualized: \$110,756 | Frequent | 30 | Medium |
| Flood | 1% annual chance: \$22,615,011 | Frequent | 18 | Medium |
| Hazardous Materials | Damage Estimate Not Available | Frequent | 18 | Medium |
| Terrorism | Damage Estimate Not Available | Frequent | 18 | Medium |
| Wildfire | Exposed Value in the WUI: \$1,575,923,409 | Frequent | 18 | Medium |





| | | | | |
|--------------|-------------------------------|------------|----|-----|
| Civil Unrest | Damage Estimate Not Available | Occasional | 12 | Low |
| Drought | Damage Estimate Not Available | Frequent | 12 | Low |
| Landslide | Exposed: \$0 | Frequent | 0 | 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.

National Flood Insurance Program (NFIP) Summary

Table 9.20-4 summarizes the NFIP statistics for the Town of Perinton.

Table 9.20-4. NFIP Summary

| Municipality | # Policies (1) | # Claims (Losses) (1) | Total Loss Payments (2) | # Rep. Loss Prop. (1) | # Severe Rep. Loss Prop. (1) | # Policies in the 1% Flood Boundary (3) |
|--------------|----------------|-----------------------|-------------------------|-----------------------|------------------------------|---|
| Perinton (T) | 59 | 20 | \$229,926 | 1 | 0 | 24 |

Source: FEMA Region 2 2015

- Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of June 30, 2015 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 6/30/15.
- Note (2) Total building and content losses from the claims file provided by FEMA Region 2.
- Note (3) The policies inside and outside the flood zones are based on the latitude and longitude provided by FEMA Region 2 in the policy file. Number in the floodplain was determined using the 2007 Effective DFIRM 1% annual chance flood boundary.
- Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.
- Note (5) A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case.

Critical Facilities

Table 9.2-5 has HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of a 1- and 0.2-percent annual chance flood.

Table 9.20-5. 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 | Days to 100-Percent ⁽²⁾ |
| Thomas Creek Pump Station | Wastewater Pump | X | X | - | - | - |

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 that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.
- NA Not available
- X Facility located in the DFIRM boundary
- Not calculated by HAZUS-MH 2.2





Other Vulnerabilities Identified

The municipality identified these vulnerabilities in their community:

- The Town noted an increase in more localized, heavier rain events that led to isolated flooding.
- The Town noted an increase in rail shipments of crude oil on the rail lines through the center of Town, increasing the potential for HazMat (in transit) events.



9.20.5 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 9.2-6 summarizes the regulatory tools available to the Town of Perinton.

Table 9.20-6. 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.) |
|---|---|--|---------------------------|--|
| Planning Capability | | | | |
| Master Plan | Yes, 5/2011 | Local | Town Sup. | Town of Perinton Comprehensive Plan Update, 2011 |
| Capital Improvements Plan | Yes | Local | DPW | Road and sewer capital improvement plans |
| Floodplain Management / Basin Plan | No | | | |
| Stormwater Management Plan | Yes | Local | DPW | Perinton town code |
| Open Space Plan | Yes | local | DPW/Cons Board | Conservation Easements Chapter 103 |
| Stream Corridor Management Plan | No | | | |
| Watershed Management or Protection Plan | Yes | local | DPW | Same as stormwater management plan |
| Economic Development Plan | No | | | |
| Comprehensive Emergency Management Plan | Yes | local | Fire Marshal | Comprehensive Emergency Plan |
| Emergency Response Plan | Yes | local | Fire Marshal | Comprehensive Emergency Plan |
| Post-Disaster Recovery Plan | Yes | local | Fire Marshal | Comprehensive Emergency Plan |
| Transportation Plan | No | | | |
| Strategic Recovery Planning Report | No | | | |
| Other Plans: | Yes | | | Agricultural and Farmland Protection Plan, 2012 |
| Regulatory Capability | | | | |
| Building Code | Yes | State | NYSDOS | NYS Uniform Fire & Building Code, Building Code Administration Chapter 88 |
| Zoning Ordinance | Yes | Local | Code Enforcement | Zoning and Land Use Chapter 208, Perinton Town Code |
| Subdivision Ordinance | Yes | Local | Code | Subdivision of Land Chapter 182, |





| 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.) |
|---|---|--|---------------------------|---|
| | | | Enforcement | Perinton Town Code |
| NFIP Flood Damage Prevention Ordinance | Yes | Local | DPW | Flood Damage Prevention Chapter 138, Perinton Town Code |
| NFIP: Cumulative Substantial Damages | No | | | |
| NFIP: Freeboard | Yes | State, Local | | State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types |
| Growth Management Ordinances | | | | |
| Site Plan Review Requirements | Yes | Local | Code Enforcement | Perinton Town Code Ch. 182 |
| Stormwater Management Ordinance | Yes | Local | DPW | In Perinton Town Code |
| Municipal Separate Storm Sewer System (MS4) | Yes | Local | DPW | |
| Natural Hazard Ordinance | No | | | |
| Post-Disaster Recovery Ordinance | No | | | |
| Real Estate Disclosure Requirement | Yes | | | NYS mandate, Property Condition Disclosure Act, NY Code – Article 14 §460-467 |
| Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)] | Yes | Local | DPW | Limited Development district law for steep slope and wet areas; Erosion and Sediment Control Chapter 119 |

Administrative and Technical Capability

Table 9.2-7 summarizes potential staff and personnel resources available to the Town of Perinton.

Table 9.20-7. Administrative and Technical Capabilities

| Resources | Is this in place? (Yes or No) | Department/ Agency/Position |
|---|----------------------------------|--|
| Administrative Capability | | |
| Planning Board | Yes | Code Enforcement |
| Mitigation Planning Committee | Yes | Multiple Departments |
| Environmental Board/Commission | Yes | Environmental Conservation Board |
| Open Space Board/Committee | No | |
| Economic Development Commission/Committee | No | |
| Maintenance Programs to Reduce Risk | No | |
| Mutual Aid Agreements | No | |
| Technical/Staffing Capability | | |
| Planner(s) or Engineer(s) with knowledge of land development and land management practices | Yes | Town Engineer, Director of Code Enforcement |
| Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure | Yes | Town Engineer, Building Inspectors, DPW Inspectors |
| Planners or engineers with an understanding of natural | Yes | Town Engineer, Building Inspectors, DPW |





| Resources | Is this in place? (Yes or No) | Department/ Agency/Position |
|--|-------------------------------|--|
| hazards | | Inspectors |
| NFIP Floodplain Administrator | Yes | Commissioner of Public Works |
| Surveyor(s) | No | |
| Personnel skilled or trained in GIS and/or HAZUS-MH applications | Yes | Assistant to Public Works Commissioner |
| Scientist familiar with natural hazards | No | |
| Emergency Manager | Yes | Commissioner of Public Works |
| Grant Writer(s) | Yes | In the DPW |
| Staff with expertise or training in benefit/cost analysis | Yes | DPW |
| Professionals trained in conducting damage assessments | Yes | Building Inspectors |

Fiscal Capability

Table 9.2-8 summarizes financial resources available to the Town of Perinton.

Table 9.20-8. Fiscal Capabilities

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

Community Classifications

Table 9.2-9 summarizes classifications for community program available to the Town of Perinton.

Table 9.20-9. 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 (ISO Fire Protection Classes) | Yes | 3 | |



| Program | Do you have this? (Yes/No) | Classification (if applicable) | Date Classified (if applicable) |
|--|----------------------------|--------------------------------|---------------------------------|
| 1 to 10) | | | |
| Storm Ready | Yes | StormReady County | |
| Firewise | No | | |
| Disaster/Safety Programs in/for Schools | No | | |
| Organizations with Mitigation Focus (advocacy group, non-government) | No | | |
| Public Education Program/Outreach (through website, social media) | No | | |
| Public-Private Partnerships | No | | |

N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.

The classifications in Table 9.2-9 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 classifications include a higher classification when the subject property is farther than 1,000 feet from a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in these documents:

- 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/become.shtml>
- The National Firewise Communities website at <http://firewise.org/>

Self-Assessment of Capability

Table 9.2-10 has an approximate measure of the Town of Perinton’s capability to work in a hazard-mitigation capacity or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.20-10. 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 | | X | |





| Area | Degree of Hazard Mitigation Capability | | |
|-------------------------------------|--|----------|------|
| | Limited (If limited, what are your obstacles?)* | Moderate | High |
| Municipal Processes and Activities. | | | |

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Commissioner of Public Works

Flood Vulnerability Summary

The Town has not made any substantial damage estimates. Tree limbs and similar debris are the most frequent type of damage associated with flooding and severe storms; however, three houses were damaged by floodwaters in May 2014 when the Erie Canal overflowed.

Resources

The Floodplain Administrator is the primary person assuming the responsibilities of floodplain administration; he is supported by the Town Engineer and Building Inspectors. Tom Beck, the Commissioner of Public Works, provides NFIP administration services and functions, including permit review, inspections, record-keeping, GIS, and education and outreach. The Town previously offered education to owners in the floodplain to alert them of upcoming grant opportunities (for mitigation or property acquisition).

The Floodplain Administrator does not report any barriers to running an effective floodplain management program in his community. He feels adequately supported and trained to fulfill his responsibilities as the municipal floodplain manager. The Floodplain Administrator expressed interest in attending continuing education and certification training on floodplain management if it were offered in the County for all local floodplain administrators. The Floodplain Administrator and staff from the Department of Public Works and Building Department already attend NYS/FEMA workshops regularly to ensure continuing education.

Compliance History

As of June 30, 2015, there are 59 policies in force, 24 of which are in the 100-yr flood boundary. There is one repetitive loss and no severe repetitive loss properties in the Town. Since 1978, 20 claims were paid in the Town of Perinton. According to the current NFIP Policy Statistics report available at the time of this plan, the policies in the Town are insured for \$13.134 million with total annual insurance premiums of \$57,096.

The Floodplain Administrator is unaware of any outstanding NFIP compliance issues in the community, and does not know when the most recent Community Assistance Visit (CAV) was completed.

Regulatory

The Village’s Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated in April 2008 and is in Chapter 138 of the local code. Floodplain management regulations and ordinances meet, but do not exceed, the FEMA and New York State minimum requirements.

There are other local ordinances, plans, and programs that support floodplain management and meeting NFIP requirements in the Town of Perinton, including environmental-protection overlay districts. The Town promotes a general philosophy of planning/conservation that includes avoiding development in the floodplain.





Community Rating System

The Town of Perinton does not participate in the Community Rating System (CRS) program. The Town, has considered and continues to consider the benefits of CRS.

Other Capabilities Identified

Previous actions that are now on-going programs and capabilities (Refer to Table 9.20-11).

- The Town complies with all applicable federal and state regulations. The Town regularly reviews and updates Town Code and ordinances to create a safe and healthy community.
- Town emergency services are regularly engaged with local municipal government processes.
- The Town has designated Limited Development Districts on steep slopes and wet areas, and has enacted local ordinances to enforce these districts' procedures.
- The Town Code Committee holds regularly scheduled code committee meetings. The Code Enforcement Officer ensures that local ordinances are in place, requiring permits, and that they are enforced.
- Town Code Enforcement continues to expand outreach and education promoting residential use of smoke detectors.
- The Town Code Enforcement Officer and DPW provide comprehensive inspections, as required by ordinances and Town procedures.
- The Town Code Enforcement Officer and DPW review utility and restoration plans.
- The Town DPW helps maintain the Town's floodplain management program.
- The Town DPW regularly maintains trees and streams in its jurisdiction, although there is no formal program in place.
- The Town DPW ensures residents have access to Call Before You Dig materials and monitors Dig Safe NY.

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. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.

Planning

Land Use Planning: The Town of Perinton has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas. Many development activities require additional levels of environmental review, specifically NYS SEQRA and Federal NEPA requirements. The Town is an MS4-regulated community. Its Stormwater Management Plan does not directly speak to stormwater volume reduction but focuses on a more general protection of natural resources. Details about volume reduction are in the Town Code.

Town of Perinton Comprehensive Plan Update, 2011: The Town of Perinton completed its sixth comprehensive plan version for the community in 2011 (the original plan was developed in 1959). The Town tracked its major accomplishments since the last update; some of these accomplishments include the expansion of the Town's train and recreational resources and continued land preservation, bringing the open space within Town limits to more than 2,000 acres. The Town's comprehensive plan includes the identification of natural



hazard risk areas, like wetlands and steep slopes, land use and zoning objectives, and recommendations for managing risks and directing growth. Some of the objectives included:

1. Ensure the Town's water resources are protected from pollution from any sources including industrial, commercial, residential, and agricultural land uses.
2. Continue open space and agricultural protection efforts (conservation easements, cluster developments, etc.).
3. Continue to support protection of natural resources with low density development in environmentally sensitive areas.

Agricultural and Farmland Protection Plan, 2012: The Town identified its agricultural industry and farmlands as important community resources. For this reason, it seeks to ensure the continued protection of these resources by inventorying farmland in the Town, assessing the development pressure on farmland, evaluating strategies to retain farmland, and developing an action plan to achieve these strategies. During the development of this plan, the Town considered the potential impacts of natural hazards, including steep slopes and floods.

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.

Route 250 Corridor Land Use Analysis, 2008: The Towns of Penfield, Webster, Perinton, Victor, and the Villages of Webster and Fairport participated in a study of the Route 250 corridor to investigate transportation elements and land use trends. This demonstrates the Town's ability to successfully participate in regional initiatives to enhance and secure the overall quality of the region. As part of this plan, the participating jurisdictions identified several environmental goals including the provision of flood storage and the design of stormwater management facilities.

Regulatory and Enforcement

Continuity of Government Chapter 8: The Town of Perinton made provisions to ensure the successful continuation of its government if there is a public disaster, catastrophe, or emergency. This will ensure the Town continues to function properly and efficiently during unusual circumstances.

Building Code Administration Chapter 88: 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).

Conservation Easements Chapter 103: The Town Board has the authority to acquire interests or rights in land to ensure the preservation of open space and areas.

Erosion and Sediment Control Chapter 119: The Town recognizes the potential problems associated with erosion, silt, sedimentation, drainage, and flooding. To avoid or mitigate the impacts of these natural hazards, it regulates site preparation and construction activities, including excavation, fill, grading, and stripping.

Flood Damage Prevention Chapter 138: This article promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses from floods and erosion. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.



Subdivision of Land Chapter 182: The Town’s Planning Board is tasked with site plan/subdivision review. Design standards consider storm drainage, water mains, transportation infrastructure, sanitary sewers, and other infrastructure that can exacerbate or conversely, mitigate hazard impacts.

Zoning and Land Use Chapter 208: The Town zoning code includes districts and standards pertaining to the mitigation of hazards. The districts most relevant to hazard mitigation are limited development districts and open space preservation/planned development districts.

Fiscal

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 has funding for community development and special districts, including the drainage district and sewers.

Education and Outreach

Town of Perinton 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 they are able and to meet all professional requirements. Town emergency responders have the option to attend courses at the Monroe County Public Safety Training Facility.

The Town of Perinton does not have a webpage devoted specifically to natural hazard education; however, it does maintain a webpage with stormwater and watershed facts and one with flu shot clinic dates. The Town maintains several dark pages on its website that can be immediately activated for resident notification if there is a hazard or emergency. The Town can provide information and alerts to residents through its Facebook page (<http://www.facebook.com/PerintonRecreationandParks>), and residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

9.20.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

Table 9.20-11 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 a separate table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the Table 9.20-11 and may also be found under the Capability Assessment Section presented previously in this annex.



Table 9.20-11. 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 | Discontinued | Not applicable to Town. |
| ES-4: Stockpile emergency supplies. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| ES-5: Solicit “Mutual Aid” agreements. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| ES-6: Engage emergency service jurisdictions in local municipal government processes. | Code Enforcement and DPW | Complete | Fire chief required to sign off on all new development, Fire dept. received copies of all new proposed development | Discontinue | Describe in 2017 HMP as ongoing operational capability Continue emergency services in planning process |
| NRP-1: Ensure proper disposal of Hazardous Waste. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure. | Code Enforcement | Complete | Local ordinances in place requiring permits | Discontinue | Describe in 2017 HMP as ongoing operational capability Continue enforcement of government permit process |
| NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure. | Code Enforcement and DPW | Complete | Ordinances and procedures in place requiring inspections | Discontinue | Describe in 2017 HMP as ongoing operational capability Processes in place but more staffing needed to increase level of service |



| 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. |
|--|------------------------|--|--|--|--|
| NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure. | DPW | Complete | Ordinances and procedures in place | Discontinue | Describe in 2017 HMP as ongoing operational capability Continue administration of floodplain ordinances and procedures |
| NRP-5: Maintain "Urban Forests." | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| PEA-3: Review Utility Service & restoration plans. | DPW/Code Enforcemnt | Complete | Ordinances and procedures in place | Discontinue; Project completed | Describe in 2017 HMP as ongoing operational capability |
| PEA-4: Identify and utilize a "Speakers Bureau." | N/A | No Progress | N/A | Discontinue | Not applicable to Town. |
| PP-1: Identify "special hazard" areas. | DPW/Conservation Board | Complete | Local Limited Development district regulations in place, areas identified throughout town | Include | Continue reviewing areas for identification |
| PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure. | DPW | Complete | Policies and procedures in place for maintenance and installation | Include | Continue maintenance programs and expand installations |
| PP-3: Solicit inter-municipal and interagency cooperation. | DPW | Complete | Multiple inter-municipal agreements in place | Include | Continue to solicit and participate in inter-municipal agreements |
| PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| PP-5: Property acquisition | Town Board | In Progress | 50% - Town board is always open to reviewing available | Include | Include in 2017 HMP as a unique action. Reword as |





| 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. |
|---|-------------------|--|--|--|--|
| | | | properties for acquisition | | necessary. |
| PR-1: Enforce Building Code as required for existing and new infrastructure. | Code Enforcement | Complete | Local ordinances in place requiring permits, inspections and enforcement | Discontinue | Describe in 2017 HMP as ongoing operational capability Continue enforcing building codes and increase staffing to provide better service |
| PR-2: Comply with applicable federal and state regulations. | Townwide | Ongoing | All town departments strive to comply with all federal and state regulations | Discontinue | Describe in 2017 HMP as ongoing operational capability |
| PR-5: Regular review of Local Laws | Code Committee | Ongoing | Regularly scheduled code-committee meetings | Discontinue | Describe in 2017 HMP as ongoing operational capability |
| SP-1: Disaster “proof” public facilities. This may pertain to existing and/or new infrastructure. | DPW | In Progress | DPW complex built in 2007, raised out of flood zone, designed as an essential building within the NYS Building Code. | Include | Public facilities will be disaster proofed through individual actions, as the need arises. |
| SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing and/or new infrastructure. | DPW | In Progress (50%) | Install automatic back-up generators at sewer pump stations | Include | Continue to install. Add targeted locations. |
| SP-3: “Target Harden” facilities. This may pertain to existing and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| SP-4: Expand fiber telecommunications networks. | N/A | No Progress | N/A | Discontinued | 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. |
|---|-------------------|--|--|--|--|
| EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03). | N/A | No Progress | N/A | Discontinued | 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 and/or new infrastructure. | Code Enforcement | In Progress (50%) | Smoke alarms have been purchased in the event somebody is in need, continue to expand outreach and education | Discontinue | Describe in 2017 HMP as ongoing operational capability |
| Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training. | Town Board | Complete | Construction completed on Perinton Joint Training Facility. A state of the art fire training center utilized by Perinton fire departments | Remove | Completed |
| FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| FI-PEA-1: Provide information about the Erie Canal and its spillway locations | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing and/or new infrastructure. | DPW | No progress | The Town does not currently participate in CRS; however, it plans to apply after the HMP Update is completed. | Include | Adjust wording to reflect current 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. |
|--|-------------------|--|--|--|--|
| 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 | Discontinued | Not applicable to Town. |
| FI-PR-1: Implement an annual, "Waterway/Drainage Maintenance" Program | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| 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 and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | 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 and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PEA-2: Develop alternate communications plan | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PEA-3: Provide automated utility restoration schedule to the public | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PEA-4: Provide more public outreach during an emergency | DPW | In Progress | Website has pre-established public outreach pages that can be activated instantly | Include | Expand public outreach capabilities |



| 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-PEA-5: Expand utility Customer Service capacity | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PEA-6: Expand information available on websites | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing and/or new infrastructure. | DPW | In Progress | Generators | Include | Adjust wording to show targeted facilities that need generators. |
| Ice-PR-1: Implement an “Annual, Tree/Stream Maintenance Program” | DPW | In Progress | 25%- no formal program in place but maintenance occurs regularly | Discontinue | Describe in 2017 HMP as ongoing operational capability |
| Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal | N/A | No Progress | N/A | Discontinued | 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 and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure. | DPW | | Install automatic back-up generators at sewer pump stations | Include | Continue to install back-up power supply |



| 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. |
|--|-------------------|--|--|--|--|
| Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, “Call Before You Dig.” | DPW | Complete | Call before you dig materials available, monitor dig safe NY | Discontinue; Project completed | Describe in 2017 HMP as ongoing operational capability |
| Land-PR-1: Local Project. Enact Local Laws: to restrict development on steep slopes; to require property owners and/or mine operators to rehabilitate open mines at closing. This may pertain to existing and/or new infrastructure. | DPW | Complete | Town designated Limited Development Districts on steep slopes and wet areas, ordinances in place | Discontinue; Project completed | Describe in 2017 HMP as ongoing operational capability |
| SC-PR-1: Local Project. Enact Local Laws that require property owners to demolish and remove unsafe structures from their property(ies). This may pertain to existing and/or new infrastructure. | Code Enforcement | In Progress | 50% Chapter in town code dedicated to vacant properties, current proposals in place to expand this code section | Include | Update language to reflect current status. |
| Terr-PP-1: Implement a strategy to “target harden” critical and public facilities. This may pertain to existing and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | 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 | Discontinued | 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 | Discontinued | 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 | Discontinued | Not applicable to Town. |
| Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters | N/A | No Progress | N/A | Discontinued | 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. |
|--|-------------------|--|---|--|--|
| Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic | N/A | No Progress | N/A | Discontinued | Not applicable to Town. |
| Util-ES-1: Local Projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing and/or new infrastructure. | DPW | Complete | Back-up power at DPW fuel station provided by stand-by generator | Discontinue | Project complete |
| 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 and/or new infrastructure. | N/A | No Progress | N/A | Discontinued | 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 and/or new infrastructure. | DPW | In Progress | 50% generators at sewer lift stations | Include | Adjust wording to show targeted facilities that need generators. Combine with action ICE-PP-1. |



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town of Perinton identified these mitigation projects/activities that were completed but were not identified in the previous mitigation strategy in the 2011 Plan:

- None noted

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, 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 9.20-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Perinton 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 based on the occurrence of new hazards and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in Table 9.20-12 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 actions as High, Medium, or Low. Table 9.20-12 summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.20-13 has a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.20-12. Proposed Hazard Mitigation Initiatives

| Initiative | Mitigation Initiative | Applies to New and/or Existing Structures * | Hazard(s) Mitigated | Goals Met | Lead and Support Agencies | Estimated Benefits | Estimated Cost | Sources of Funding | Timeline | Priority | Mitigation Category | CRS Category |
|------------|--|---|---|------------|-------------------------------|--------------------|----------------|--|---------------|----------|---------------------|--------------|
| TP-1 | 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, 4 | Town Clerk | High | Low | Operating budget | OG | High | EAP | PI |
| TP-2 | Develop formal tree/stream maintenance and clearing program to ensure clean stormwater flow. | N/A | Flood, Severe Storm | 1, 2, 3 | Town Public Works/ Engineer | Medium – High | Low - Medium | Local Budget | Short-Term | Medium | NSP | NR, PR |
| TP-3 | Acquire, elevate, or retrofit structures in the floodplain. | Existing | Flood, Severe Storm | 1, 2, 3, 5 | Town Floodplain Administrator | High | High | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County | Long-Term DOF | Medium | SIP, NSP | PR, PP, NR |
| TP-4 | Upgrade stormwater management infrastructure. | Existing | Flood, Severe Storm | 1, 2, 3, | Town Public Works | Medium-High | Medium High | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget | Short-term | High | SIP | PR, PP, NR |
| TP-5 | Protect streams and waterways against erosion | Existing | Flood, Severe Storm | 1, 2, 3, 5 | Town Public Works | Medium-High | Medium-High | FEMA (HMGP, FMA, PDM), | Ongoing | Medium | NSP | NR, PR |





Table 9.20-12. Proposed Hazard Mitigation Initiatives

| Initiative | Mitigation Initiative | Applies to New and/or Existing Structures * | Hazard(s) Mitigated | Goals Met | Lead and Support Agencies | Estimated Benefits | Estimated Cost | Sources of Funding | Timeline | Priority | Mitigation Category | CRS Category |
|------------|---|---|--------------------------------------|------------|---------------------------------|--------------------|----------------|--|----------|----------|---------------------|--------------------|
| | | | | | | | | CDBG, NYS DHSES, County, Local Budget | | | | |
| TP-6 | Lancashire pump Station Generator | Existing | Utility Failure, Flood, Severe Storm | 2, 3, 4 | Town Public Works | High | Medium | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget | Short | High | SIP | PR, PP, ES |
| TP-7 | Deer Run Pump station Generator | Existing | Utility Failure, Flood, Severe Storm | 2, 3, 4 | Town Public Works | High | Medium | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget | Short | High | SIP | PR, PP, ES |
| TP-8 | Willowpond Stormwater Facility Upgrade to Allow for a Higher Volume of Flow | Existing | Flood, Severe Storm | 1, 2, 3, 4 | Town Public Works | Medium – High | Medium-High | Local | Short | Medium | NSP, SIP | NR, PP, PR |
| TP-9 | Apply to enter Community Rating System (CRS) program to achieve reduced flood insurance premiums for residents. | New and Existing | Flood | All | Town Public Works, Fire Marshal | Medium | Low | Local Budget | Short | High | EAP, LPR | PI, PR, PP, SP, NR |

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

Potential FEMA HMA Funding Sources:

FMA Flood Mitigation Assistance Grant Program

Timeline:

Short 1 to 5 years





Acronyms and Abbreviations:

| | |
|-----------|--|
| 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:

| | |
|------|--|
| 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:

| | |
|-----------|----------------------|
| 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 from 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) was 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 and 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 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 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 9.20-13. 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 |
|----------------------------------|--|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|----------------------------|-------|---------------------|
| TP-1 | 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 | 0 | 1 | 10 | High |
| TP-2 | Develop formal tree/stream maintenance and clearing program to ensure clean stormwater flow. | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 9 | Medium |
| TP-3 | Acquire, elevate, or retrofit structures in the floodplain. | 1 | 1 | 1 | 0 | 1 | 1 | -1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 8 | Medium |
| TP-4 | Upgrade stormwater management infrastructure | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | High |
| TP-5 | Protect streams and waterways against erosion | 0 | 1 | 1 | 0 | 1 | 1 | -1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 7 | Medium |
| TP-6 | Lancashire pump Station Generator | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 10 | High |
| TP-7 | Deer Run Pump station Generator | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 10 | High |
| TP-8 | Willowpond Stormwater Facility Upgrade to Allow for a Higher Volume of Flow | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 9 | Medium |





Table 9.20-13. 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 |
|----------------------------------|---|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|----------------------------|-------|---------------------|
| TP-9 | Apply to enter Community Rating System (CRS) program to achieve reduced flood insurance premiums for residents. | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 10 | High |

Note: Refer to Section 6 that contains the guidance on prioritizing mitigation actions.



9.20.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.20.8 Hazard Area Extent and Location

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

9.20.9 Additional Comments

None at this time.



Figure 9.20-1. Town of Perinton Landslide and Wildfire Hazard Area Extent and Location Map

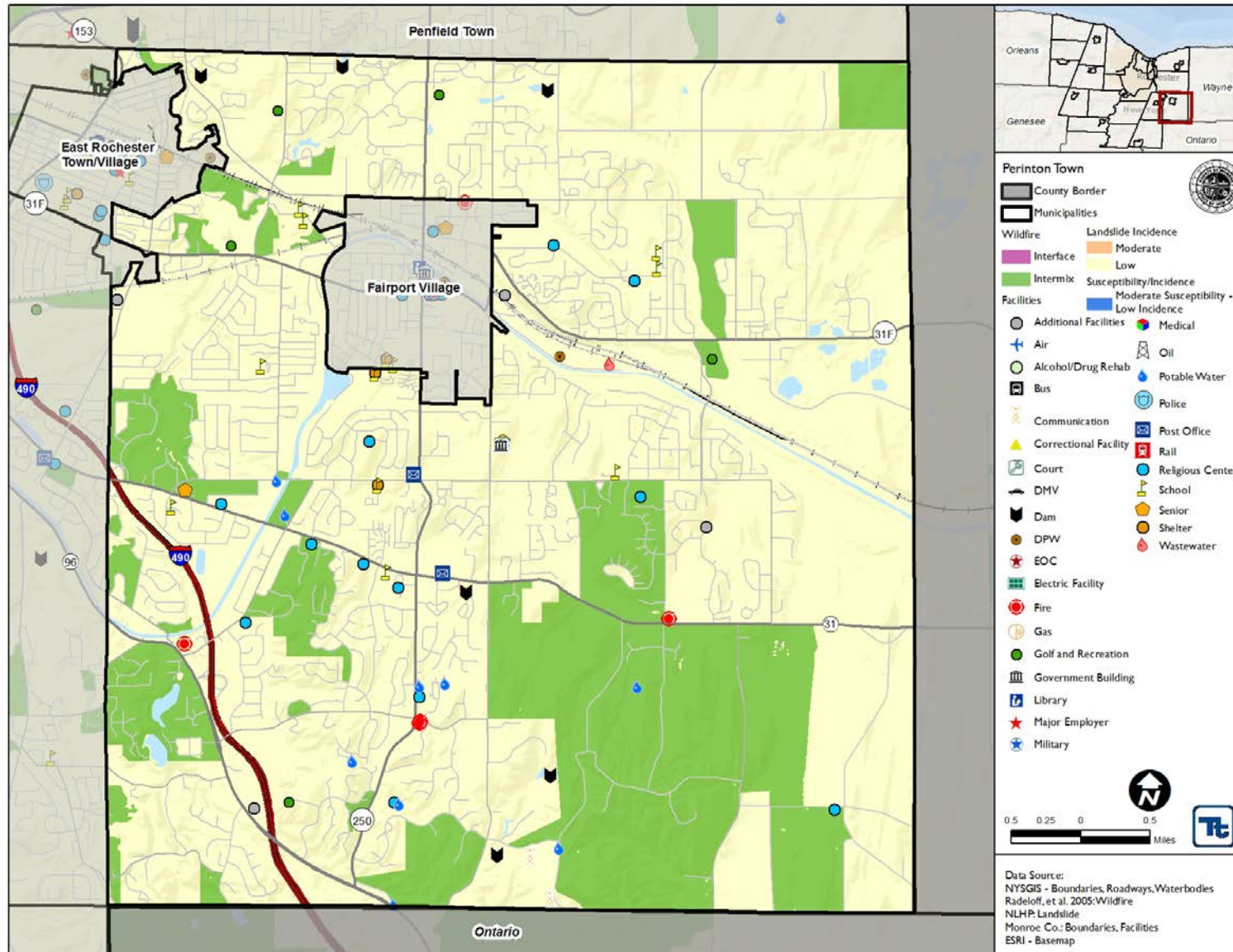
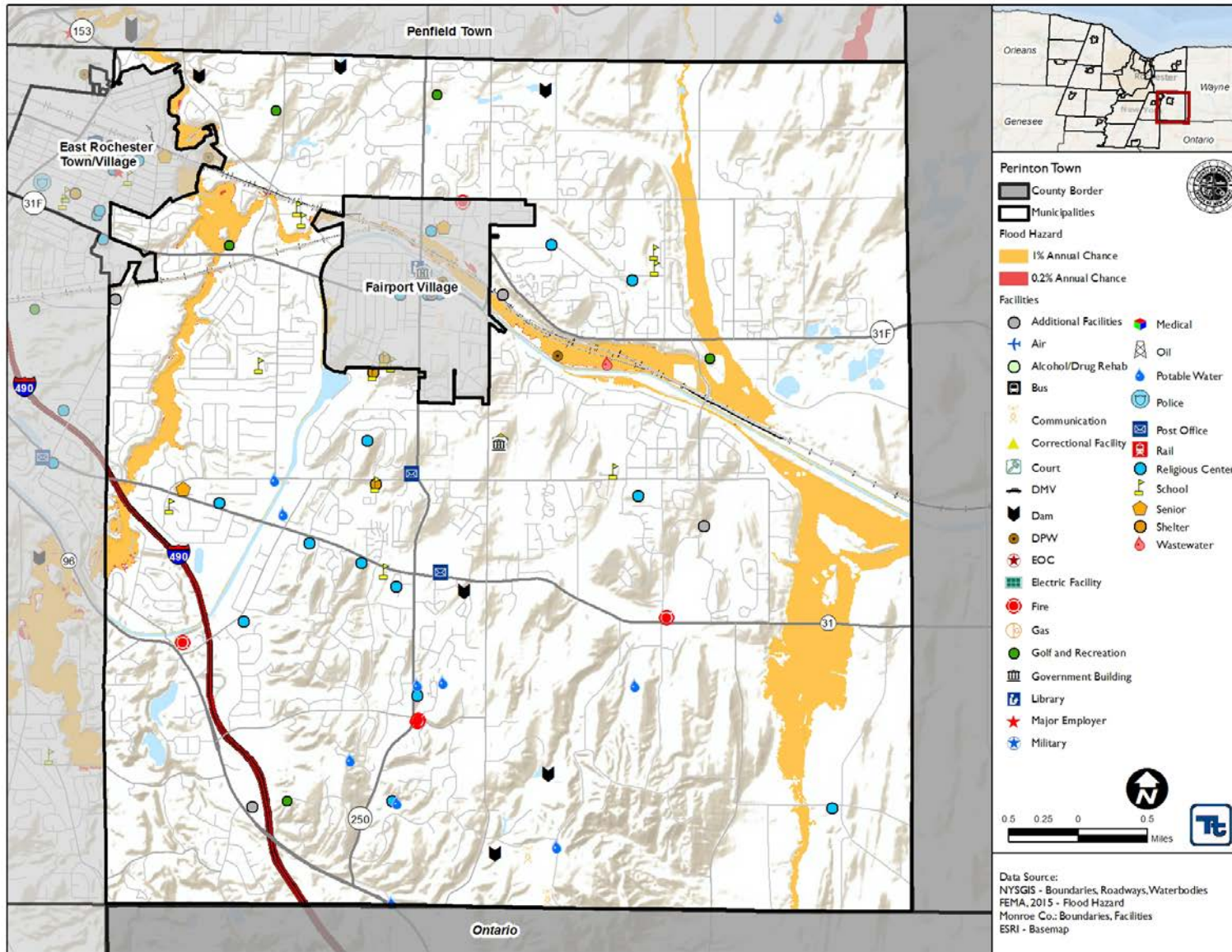




Figure 9.20-2. Town of Perinton Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction: Town of Perinton
 Name and Title Completing Worksheet: _____
 Action Number: TP-3
 Mitigation Action Name: Acquire, elevate, or retrofit structures in the floodplain.

| Assessing the Risk | |
|--|---|
| Hazard(s) addressed: | Flood, Severe Storm |
| Specific problem being mitigated: | There are many structures in the floodplain in the Town, subject to damages from flooding. |
| Evaluation of Potential Actions/Projects | |
| Actions/Projects Considered (name of project and reason for not selecting): | <ol style="list-style-type: none"> 1. Do Nothing (structures remain vulnerable to flooding) 2. Acquire, elevate, or retrofit structures in the floodplain (selected action) |
| Action/Project Intended for Implementation | |
| Description of Selected Action/Project | Acquire, elevate, or retrofit structures in the floodplain. |
| Mitigation Action Type | SIP, NSP |
| Goals Met | 1, 2, 3, 5 |
| Applies to existing and or new development, or not applicable | Existing |
| Benefits (losses avoided) | High |
| Estimated Cost | High |
| Priority* | Medium |
| Plan for Implementation | |
| Responsible Organization | FPA |
| Local Planning Mechanism | None |
| Potential Funding Sources | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County |
| Timeline for Completion | Long-term depending on funding |
| Reporting on Progress | |
| Date of Status Report/ Report of Progress | Date: Progress on Action/Project: |



Action Number: TP-3

Mitigation Action Name: Acquire, elevate, or retrofit structures in the floodplain.

| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
|-------------------------------------|-------------------------|---|
| Life Safety | 1 | |
| Property Protection | 1 | |
| Cost-Effectiveness | 1 | |
| Technical | 0 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | -1 | Requires grant funding |
| Environmental | 1 | |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | |
| Timeline | 0 | No definite timeframe because of funding constraint |
| Agency Champion | 1 | |
| Other Community Objectives | 0 | |
| Total | 8 | |
| Priority (Tier I, II or III) | Medium | |



Name of Jurisdiction: Town of Perinton
 Name and Title Completing Worksheet: _____
 Action Number: TP-4
 Mitigation Action Name: Upgrade stormwater management infrastructure.

| Assessing the Risk | |
|--|---|
| Hazard(s) addressed: | Flood, Severe Storm |
| Specific problem being mitigated: | Heavy rains overwhelm stormwater infrastructure, causing localized flooding. |
| Evaluation of Potential Actions/Projects | |
| Actions/Projects Considered (name of project and reason for not selecting): | <ol style="list-style-type: none"> 1. Do nothing (infrastructure remains inadequate) 2. Replace stormwater management infrastructure in its entirety (cost prohibitive) 3. Upgrade stormwater management infrastructure on an ongoing basis. |
| Action/Project Intended for Implementation | |
| Description of Selected Action/Project | Upgrade stormwater management infrastructure on an ongoing basis. |
| Mitigation Action Type | SIP |
| Goals Met | 1, 2, 3 |
| Applies to existing and or new development, or not applicable | Existing |
| Benefits (losses avoided) | Medium-high (avoid local flood damages and road closures) |
| Estimated Cost | Medium-high |
| Priority* | High |
| Plan for Implementation | |
| Responsible Organization | Public Works |
| Local Planning Mechanism | None |
| Potential Funding Sources | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget |
| Timeline for Completion | Short-term |
| Reporting on Progress | |
| Date of Status Report/ Report of Progress | Date: Progress on Action/Project: |



Action Number: TP-4

Mitigation Action Name: Upgrade stormwater management infrastructure.

| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
|-------------------------------------|-------------------------|---|
| Life Safety | 1 | |
| Property Protection | 1 | |
| Cost-Effectiveness | 1 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | -1 | |
| Environmental | 1 | |
| Social | 1 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | |
| Timeline | 0 | |
| Agency Champion | 1 | |
| Other Community Objectives | 1 | |
| Total | 11 | |
| Priority (Tier I, II or III) | High | |



Name of Jurisdiction: Town of Perinton
 Name and Title Completing Worksheet: Greg Seigfred, Fire Marshal
 Action Number: TP-6
 Mitigation Action Name: Lancashire Pump Station Strand-by Generator

| Assessing the Risk | |
|---|---|
| Hazards addressed: | Utility Failure, Flood, Severe Storm |
| Specific problem being mitigated: | Installation of an automatic stand-by generator to ensure the pump station remains operational. |
| Evaluation of Potential Actions/Projects | |
| Actions/Projects Considered (name of project and reason for not selecting): | The current level of risk can be tolerated, the town is taking the initiative to install back-up power to pump stations to mitigate future events. This will reduce the Town's vulnerability to a service interruption during a hazard. |
| Action/Project Intended for Implementation | |
| Description of Selected Action/Project | Installation of an automatic stand-by generator at Lancashire pump station |
| Mitigation Action Type | SIP |
| Goals Met | 2, 3, 4 |
| Applies to existing and or new development, or not applicable | Existing |
| Benefits (losses avoided) | If there is a utility failure or major storm, the failure of a pump station may result in raw sewage backing up into residences or businesses or flowing into the environment |
| Estimated Cost | Medium |
| Priority* | High |
| Plan for Implementation | |
| Responsible Organization | Town Public Works |
| Local Planning Mechanism | Local |
| Potential Funding Sources | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget |
| Timeline for Completion | Short |
| Reporting on Progress | |
| Date of Status Report/ Report of Progress | Date: 3/2016 Progress on Action/Project: generator has been ordered from distributor |



Action Number:

TP-6

Mitigation Action Name:

Lancashire Pump Station Strand-by Generator

| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
|------------------------------|-------------------------|---|
| Life Safety | 1 | If there is a utility failure or major storm, the failure of a pump station may result in raw sewage backing up into residences or businesses or flowing into the environment. This would cause public health issues. |
| Property Protection | 1 | Failure of pump station could result in raw sewage backed up into residences and businesses, leading to significant expenses in property repair. |
| Cost-Effectiveness | 1 | Most effective project option. |
| Technical | 1 | |
| Political | 0 | |
| Legal | 0 | |
| Fiscal | 1 | Generator has already been ordered. |
| Environmental | 1 | |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 0 | |
| Timeline | 1 | Short |
| Agency Champion | 1 | Fire Marshal and Town DPW |
| Other Community Objectives | 0 | |
| Total | 10 | |
| Priority (Tier I, II or III) | High | |



Name of Jurisdiction: Town of Perinton
 Name and Title Completing Worksheet: Greg Seigfred, Fire Marshal
 Action Number: TP-7
 Mitigation Action Name: Deer Run Pump Station Strand-by Generator

| Assessing the Risk | |
|--|--|
| Hazard(s) addressed: | Utility Failure, Flood, Severe Storm |
| Specific problem being mitigated: | Installation of an automatic stand-by generator to ensure the pump station remains operational. |
| Evaluation of Potential Actions/Projects | |
| Actions/Projects Considered (name of project and reason for not selecting): | The current level of risk can be tolerated; the town is taking the initiative to install back-up power to pump stations to mitigate future events. This will reduce the Town's vulnerability to an interruption of operations at the pump station. |
| Action/Project Intended for Implementation | |
| Description of Selected Action/Project | Installation of an automatic stand-by generator at Deer Run pump station |
| Mitigation Action Type | SIP |
| Goals Met | 2, 3, 4 |
| Applies to existing and or new development, or not applicable | Existing |
| Benefits (losses avoided) | If there is a utility failure or major storm, the failure of a pump station may result in raw sewage backing up into residences or businesses or flowing into the environment |
| Estimated Cost | Medium |
| Priority* | High |
| Plan for Implementation | |
| Responsible Organization | Town Public Works |
| Local Planning Mechanism | Local |
| Potential Funding Sources | FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Local Budget |
| Timeline for Completion | Short |
| Reporting on Progress | |
| Date of Status Report/ Report of Progress | Date: 3/2016 Progress on Action/Project: generator has been ordered from distributor |



Action Number:

TP-7

Mitigation Action Name:

Deer Run Pump Station Strand-by Generator

| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
|------------------------------|-------------------------|---|
| Life Safety | 1 | If there is a utility failure or major storm, the failure of a pump station may result in raw sewage backing up into residences or businesses or flowing into the environment. This would cause public health issues. |
| Property Protection | 1 | Failure of pump station could result in raw sewage backed up into residences and businesses, leading to significant expenses in property repair. |
| Cost-Effectiveness | 1 | Most effective project option. |
| Technical | 1 | |
| Political | 0 | |
| Legal | 0 | |
| Fiscal | 1 | Generator has already been ordered. |
| Environmental | 1 | |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 0 | |
| Timeline | 1 | Short |
| Agency Champion | 1 | Fire Marshal and Town DPW |
| Other Community Objectives | 0 | |
| Total | 10 | |
| Priority (High, Med, or Low) | High | |



Name of Jurisdiction: Town of Perinton
Name and Title Completing Worksheet: Greg Seigfred, Fire Marshal
Action Number: TP-8
Mitigation Action Name: Willowpond Stormwater Facility Upgrade

| Assessing the Risk | |
|--|--|
| Hazard(s) addressed: | Flood, Severe Storm |
| Specific problem being mitigated: | Upgrade to existing stormwater management facility |
| Evaluation of Potential Actions/Projects | |
| Actions/Projects Considered (name of project and reason for not selecting): | The current level of risk can be tolerated, the town is making upgrades to the system to allow for a higher volume of flow. This will enhance the Town's overall resiliency. |
| Action/Project Intended for Implementation | |
| Description of Selected Action/Project | Upgrade to existing stormwater management facility |
| Mitigation Action Type | SIP, NSP |
| Goals Met | 1, 2, 3, 4 |
| Applies to existing and or new development, or not applicable | Existing |
| Benefits (losses avoided) | If there is a severe storm or flood event, the increased capabilities of this facility will help protect from localized flooding |
| Estimated Cost | Medium-high |
| Priority* | Medium |
| Plan for Implementation | |
| Responsible Organization | Town Public Works |
| Local Planning Mechanism | Local |
| Potential Funding Sources | Local |
| Timeline for Completion | Short |
| Reporting on Progress | |
| Date of Status Report/ Report of Progress | Date: 3/2016 Progress on Action/Project: project planning in progress |



Action Number: TP-8

Mitigation Action Name: Willowpond Stormwater Facility Upgrade

| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
|-------------------------------------|-------------------------|--|
| Life Safety | 0 | |
| Property Protection | 1 | Disaster-proof and reduce risk of damage to local infrastructure and stormwater facilities. Enhance stormwater conveyance systems. |
| Cost-Effectiveness | 1 | Most effective project option. |
| Technical | 1 | |
| Political | 0 | |
| Legal | 0 | |
| Fiscal | 1 | Project in process. |
| Environmental | 1 | Will reduce stormwater runoff and possible stormwater pollution to natural environment. |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 0 | Flood |
| Timeline | 1 | Short |
| Agency Champion | 1 | Town Fire Marshal and DPW |
| Other Community Objectives | 0 | |
| Total | 9 | |
| Priority (High, Med, or Low) | Medium | |