



9.23 TOWN OF RIGA

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

9.23.1 Hazard Mitigation Plan Point of Contact

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

Primary Point of Contact	Alternate Point of Contact
Deborah Campanella, Councilwoman 6460 Buffalo Rd, Churchville, NY 14428 585-746-1920 dcampanella@townofriga.org	Brad O’Brocta, Town Supervisor 6460 Buffalo Rd, Churchville, NY 14428 585-293-3880 bobrocta@townofriga.org

9.23.2 Municipal Profile

According to the 2010 U.S. Census, the Town of Riga has a population of 5,590. The Town is located in the southwest portion of the County and is bordered by the Town of Ogden to the north, the Town of Chili to the east, the Town of Wheatland to the south, and Genesee County to the west. Additionally, the Town of Riga encircles the Village of Churchville; the two jurisdictions combine resources when appropriate to ensure maximum efficiency and benefit to residents.

The Town consists of 34.96 square miles in land area and 0.27 square mile in water area. The majority of the Town is devoted to agricultural (46.64 percent) or residential land use (32.14 percent), or is vacant land (12.13 percent). The Town has noted that it will feel an increased need for social services, a reduction in undeveloped land, and impacts to the town and school budgets should residential growth continue. The Town is coordinating with the Village of Churchville to balance growth while maintaining its rural character. The Town and Village have a combined total of 1,160 acres of floodplain, 2,178 acres of wetlands, 2,940 acres of woodlots, and 392 acres of steep slopes. The Black Creek is the most significant local waterway (Comprehensive Plan 2008).

Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to the present and any known or anticipated major residential/commercial and major infrastructure development that has been identified in the next 5 years within the municipality. Figure 9.23-1 illustrates landslide and wildfire hazard areas and Figure 9.23-2 illustrates flood hazard areas.

Table 9.23-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (Address or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2010 to present					
Town of Riga Water Project	Residential	N/A	Town-wide	None	Provided public water lines to all remaining residents who did not previously have access to public water within the Town of Riga. The project has been completed.
Construction of new facility for Fire Department	Municipal	1	Washington St.	None	The Fire Department built a new fire hall to service the Town of Riga and the Village of Churchville. The building is complete. Training





Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (Address or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
					structures are currently being designed and built.
Known or Anticipated Development in the Next Five (5) Years					
Monroe County Landfill Expansion	Industrial	N/A	Brew Road, Riga	None	Monroe County is in planning stages to expand the current footprint of the landfill in Riga.
Embling Height Development	Residential	108 units projected	Buffalo Road, Riga	None	Housing Development; currently in planning phase

* Only location-specific hazard zones or vulnerabilities identified.

9.23.3 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 provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. All events that have occurred in the County were summarized for this plan update, to the extent possible, 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 presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0, of this plan.

Table 9.23-2. 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	Increased debris
April 26 - May 8, 2011	Severe Storms, Flooding, Tornadoes, and Straight-line Winds	DR-1993	No	Increased debris
January 17, 2012	High Wind	N/A	N/A	Increased debris, increased manpower
February 24, 2012	High Winds	N/A	N/A	Increased debris, increased DPW manpower
October 27 – November 8, 2012	Hurricane Sandy	EM-3351	Yes	Debris removal required by excessive rains
June 26 - July 11, 2013	Severe Storms and Flooding	DR-4129	No	Debris removal
December 21, 2013	Ice Storm	N/A	N/A	Increased debris; labor, salt, and equipment usage to maintain safe roads
March 12, 2014	Blizzard	N/A	N/A	Labor, salt, and equipment usage for additional snow removal efforts.
May 13-22, 2014	Severe Storms and Flooding	DR-4180	No	Increased debris
July 28, 2014	Flash Flood	N/A	N/A	Increased debris
November 17-26, 2014	Severe Winter Storm, Snowstorm, and Flooding	DR-4204	No	Labor, salt, and equipment usage for additional snow removal and salting efforts.



9.23.4 Hazard Vulnerabilities and Ranking

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

Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Town of Riga. The hazards of concern for the Town are those with a High hazard ranking.

Table 9.23-3. 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
Landslide	Exposed: \$1,283,085,436	Frequent	48	High
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Wildfire	Exposed Value in the WUI: \$293,707,724	Frequent	42	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: \$7,650,440 5% Damage Loss Estimate: \$38,252,201 10% Damage Loss Estimate: \$76,504,401	Frequent	36	High
Earthquake	100-year MRP GBS: \$0 500-year MRP GBS: \$3,337,624 2,500-year MRP GBS: \$43,698,110 Annualized: \$54,071	Frequent	30	Medium
Flood	1% annual chance: \$8,768,348	Frequent	18	Medium
Hazardous Materials	Damage Estimate Not Available	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Civil Unrest	Damage Estimate Not Available	Occasional	12	Low
Drought	Damage Estimate Not Available	Frequent	12	Low

Notes:

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



National Flood Insurance Program (NFIP) Summary

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

Table 9.23-4. 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)
Riga (T)	8	1	\$1,476	0	0	6

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 of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file. Number in the floodplain was established using the 2007 Effective DFIRM 1 percent 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

The table below presents 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 event.

Table 9.23-5. Potential Flood Losses to Critical Facilities

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

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

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

Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however, HAZUS did not calculate potential loss. HAZUS may not calculate a loss 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. Furthermore, 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.

Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within its community:

- The Town has noted an increase in the potential for HazMat (in transit) accidents caused by increased railroad traffic.
- The Town has noted a significant decline of ash trees from insect infestation.



9.23.5 Capability Assessment

This section identifies the following 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

The table below summarizes the regulatory tools that are available to the Town of Riga.

Table 9.23-6. 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	Local	Town Board	Town of Riga and Village of Churchville Comprehensive Plan, 2008
Capital Improvements Plan	Yes	County	Monroe County Legislature	Monroe County Capital Improvement Plan, in accordance with Section A7-1.D of the Administrative Code of Monroe County
Floodplain Management / Basin Plan	Yes	Local	Town Board	Town Code 38-17
Stormwater Management Plan	Yes	Local	Town Board	Town Code 38-15
Open Space Plan	Yes	Local	Town Board	2008 Comprehensive Plan
Stream Corridor Management Plan	Yes	Inter-municipal	Black Creek Watershed Coalition	Article 12C of NY General Municipal Law; Regional Planning Council
Watershed Management or Protection Plan	Yes	Inter-municipal	Black Creek Watershed Coalition	Article 12C of NY General Municipal Law; Regional Planning Council; Watershed Characterization Report 2012
Economic Development Plan	No			
Comprehensive Emergency Management Plan	Yes	Local, County	Town Board/County Office of Emergency Management	Monroe County Pre-Disaster Mitigation Plan; Adopted via Resolution 294-11 by Town Board.
Emergency Response Plan	Yes	Local	Town Board	Adopted December 2006; draft update prepared July 2015
Post-Disaster Recovery Plan	Yes	Local	Town Board	Adopted December 2006; draft update prepared July 2015
Transportation Plan	No			
Strategic Recovery Planning Report	No			



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Other Plans:	Yes	Local	School District	2014-2015 Plan on file at school district security office
Regulatory Capability				
Building Code	Yes	Local/State	Building Inspector	Town of Riga Code Chapter 35; New York State Building Codes; Uniform Construction Code; adopted 12/28/2006
Zoning Ordinance	Yes	Local	Town Board	Town of Riga Code Chapter 95; Chapter 81-14
Subdivision Ordinance	Yes	Local	Town Board	Town of Riga Code Chapter 81
NFIP Flood Damage Prevention Ordinance	Yes	Local	Town Board	Town of Riga Code Chapter 51, adopted 7/9/2008; Town of Riga Code Chapter 38-17 (Flood Hazard Prevention)
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State, Local		State mandated Base Flood Elevation (BFE)+2 for single- and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No			
Site Plan Review Requirements	Yes	Local	Town Board	Town of Riga Codes Chapter 95; utilized by Planning Board for planning review & application.
Stormwater Management Ordinance	Yes	Local	Town Board	Town of Riga Codes Chapter 38-15
Municipal Separate Storm Sewer System (MS4)	No			Sewers Chapter 72
Natural Hazard Ordinance	No			
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	Yes	State	County Clerk	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	No			

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Riga.

Table 9.23-7. Administrative and Technical Capabilities

Resources	Is this resource in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Appointed by Town Board





Resources	Is this resource in place? (Yes or No)	Department/ Agency/Position
Mitigation Planning Committee	Yes	Liaison of the Town Board
Environmental Board/Commission	Yes	Conservation Board, Appointed by the Town Board
Open Space Board/Committee	No	
Economic Development Commission/Committee	No	
Maintenance Programs to Reduce Risk	Yes	Highway Department
Mutual Aid Agreements	Yes	Town Board
Technical/Staffing Capability		
Planners or Engineers with knowledge of land development and land management practices	Yes	Outside engineer hired by the Town Board
Engineers or Professionals trained in construction practices related to buildings and/or infrastructure	Yes	Building Inspector, hired by the Town Board
Planners or engineers with an understanding of natural hazards	Yes	Outside engineering agency hired by the Town Board
NFIP Floodplain Administrator	Yes	No specific person other than Town Clerk, who maintains records
Surveyors	No	
Personnel skilled or trained in GIS and/or HAZUS-MH applications	No	
Scientist familiar with natural hazards	No	
Emergency Manager	Yes	Highway Superintendent is responsible for this
Grant Writers	Yes	Court Clerks, Town Clerk, and Engineering Firm hired by Town Board as needed
Staff with expertise or training in benefit/cost analysis	Yes	Town Board
Professionals trained in conducting damage assessments	Yes	Building Inspector, hired by the Town Board

Fiscal Capability

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

Table 9.23-8. 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, but may be subject to permissive referendum
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	Yes, but may be subject to permissive referendum
Withhold public expenditures in hazard-prone areas	Unknown
Other Federal or State Funding Programs	Yes
Open Space Acquisition Funding Programs	May be eligible



Financial Resources	Accessible or Eligible to Use (Yes/No)
Other (Landfill)	--

Community Classifications

The table below summarizes classifications for community program available to the Town of Riga.

Table 9.23-9. Community Classifications

Program	Do you have this program? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	N		
Building Code Effectiveness Grading Schedule (BCEGS)	Y	5/5	2004
Public Protection (ISO Fire Protection Classes 1 to 10)	Y		
Storm Ready	Y	StormReady County	
Firewise	N		
Disaster/Safety Programs in/for Schools	Y		
Organizations with Mitigation Focus (advocacy group, non-government)	Y		
Public Education Program/Outreach (through website, social media)	Y	Website	
Public-Private Partnerships	Don't Know		

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

The classifications listed above relate to the community’s ability to provide effective services to reduce 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 estimating 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 located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO’s Public Protection website at <http://www.isomitigation.com/ppc-program.html>
- 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

The table below provides an approximate measure of the Town of Riga’s capability to work in a hazard-mitigation capacity and effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.23-10. Self-Assessment Capability for the Municipality

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

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Building Inspector

Flood Vulnerability Summary

The Town of Riga overall has a low vulnerability to floods and flood-related damage. The Town of Riga does not maintain an inventory of properties that have been damaged by flood. For this reason, the Town cannot quantify the number of structures damaged during Hurricanes Floyd, Irene, Sandy, or other severe storms. The Town has not made any substantial damage assessments, nor has it received any requests for mitigation or acquisition. The Town notes that property owners may participate in mitigation activities to prevent flooding or resultant damage to their properties; for instance, local farmers who face water damage to their crops may be interested in mitigation opportunities.

Resources

The Floodplain Administrator is the primary person assuming the responsibilities for floodplain administration; however, he is supported by the Town of Riga office staff and highway crew, as needed. The Town’s Building Inspector provides NFIP administration services and functions, including permit review, inspections, damage assessments, record-keeping, GIS, education, and outreach. Permit review is conducted on an as-needed (by application) basis. The Town provides educational articles on flooding and outreach to residents via the Town newsletter every other month.

The Floodplain Administrator does not report any barriers to running an effective floodplain management program in his community. At this time, Town staff feel moderately supported and trained to fulfill all responsibilities in municipal floodplain management. Town staff involved with floodplain management expressed interest in attending continuing education or certification training on floodplain management if it were offered in the County for all local floodplain administrators.



Compliance History

As of June 30, 2015, there are eight policies in force, six of which are within the 100-year flood boundary. There are no repetitive loss or severe repetitive loss properties in the Town. Since 1978, one claim has been paid within the Town of Riga. According to the NFIP Policy Statistics report available at the time of this plan, the policies in the Town insured \$1.206 million of property with total annual insurance premiums of \$8,101.

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 Town's Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated in July 2008 and is found in Chapter 51 of the local code. Floodplain management regulations and ordinances meet the FEMA and New York State minimum requirements.

Other local ordinances, plans, and programs support floodplain management and meeting NFIP requirements in the Town of Churchville, including the planning and zoning board reviews of development applications to consider efforts to reduce flood risk.

Community Rating System

The Town of Riga does not participate in the Community Rating System (CRS) program.

Other Capabilities Identified

Previous actions that are now ongoing programs and capabilities are described below. Refer to Table 9.23-11, presented later in this annex.

- The Town Board has incorporated recruitment and retention of providers as a regular part of the budget, depending on need.
- The Town investigates mitigation projects and encourages local (resident/property owner) action when appropriate.
- The Town coordinates with other local, County, state, and federal partners as requested and needed.
- Improvements are made to the Town website on an ongoing basis. Additionally, the Town regularly incorporates planning for public outreach needs.
- The Town regularly tasks a committee to review codes and propose new language to the Town Board. This review has occurred in 2013, 2014, and 2015, and it is projected to continue as needed. The Building Inspector, Town Board, and Planning Board enforce government permit processes; funding is through the budget and in accordance with the established fee schedule. Development and future development considerations are analyzed as appropriate.
- The Town Board and Department of Public Works (DPW) regularly review the fire and burglar alarm systems, the automatic notification systems, and fire suppression systems, as well as buildings and operations.
- The Town stockpiles fuel and salt for potential emergencies on a regular basis.
- The Town Board, Fire Department, and DPW solicit mutual aid agreements to ensure coverage in the event of an emergency.
- The Town DPW ensures proper disposal of hazardous waste.
- The Town DPW regularly reviews restoration priorities.
- The Town DPW maintains power backup supplies for municipal fueling stations to ensure continuity of operations. A function generator is available to each municipal facility.



- The Town DPW conducts a semi-annual brush pickup (in spring and fall) for residents.
- The Town DPW clears culverts each year in preparation for ongoing road projects and to prevent erosion. Additionally, the Highway Superintendent maintains an ongoing plan for clearing roadways, purchasing equipment, and managing the workforce.
- The Town of Riga funds ongoing fire department and emergency medical services as part of the normal budget process. This funding includes various programs, training, and supplies, funded also by a variety of grant opportunities.
- The Town works with local authorities for surveillance and threat assessment, as needed. Activities are funded through the local budget.
- The Town regularly reviews and updates emergency plans and other local documents.
- Town Fire Department staff participate in two to four water rescue training evolutions per year, one with ice and another without ice. Staff will also begin training in the Training Maze, which was to be completed in 2015.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

Hazard mitigation must be integrated into the day-to-day local government operations a function generator available. As part of this planning effort, each community was surveyed to obtain a better understanding of its 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 Riga has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas in their reviews. Many development activities require additional levels of environmental review, specifically NYS SEQR and federal NEPA requirements. The Town also has a Conservation Board that advises both the Town Board and Planning Board on matters affecting preservation, development, and use of the natural and human-developed features in the Town. Additionally, the Town of Riga is classified as a "coalition member-volunteer" in the Monroe County Stormwater Coalition. It has incorporated storm drainage language with its codes.

Town of Riga and Village of Churchville Comprehensive Plan, 2008: The Town of Riga and Village of Churchville completed a joint comprehensive plan update in 2008 to address changes since the previous update from 1988. Part of this update includes identification of natural hazard risk areas and environmentally sensitive areas, such as wetlands, floodplains, waterways, steep slopes, woodlots, prime agricultural soils, and open space and farmland, as well as land use and zoning recommendations for managing risks and directing growth. Relevant objectives in the Comprehensive Plan include:

1. Protect the community's natural resources.
2. Ensure that future development activities protect and sustain our environment.
3. Reduce, reuse, and recycle appropriate materials.
4. Identify contaminated sites.
5. Focus stewardship efforts on the health of Black Creek.
6. Develop a strategy to address the increasing drainage problems.

While the current date of the Town's Comprehensive Plan is 2008, the Town is currently working on an update to the Comprehensive Plan for 2016.

Other Plans: The Town of Riga has planned residential development (PRD) zoning and minimum lot size requirements to help manage its long-term growth, as outlined in the Comprehensive Plan. Additionally, while



the Town does not have an Open Space Plan, this factor is considered in the Comprehensive Plan. The Town also participates in an inter-municipal coalition known as the Black Creek Watershed Coalition. This coalition has proposed a plan for the Black Creek Watershed.

Regulatory and Enforcement

Construction Codes, Uniform Chapter 35: 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).

Flood Damage Prevention Chapter 51: This chapter promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses caused by flood conditions and erosion. The chapter regulates development to promote flood-resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

Sewers Chapter 72: The Town protects and regulates its sewage collection and treatment facilities as a matter of public health and environmental safety.

Subdivision of Land Chapter 81: The Town's Planning Board is tasked with site plan and subdivision review. Design standards consider infrastructure that can exacerbate or, conversely, mitigate hazard impacts.

Zoning Chapter 95: The Town of Riga's zoning code includes districts and standards pertaining to the mitigation of hazards (primarily for V-use Zones). These sections include the floodway district, the floodplain overlay district, the environmental protection overlay district, the rural agricultural district, and more.

Fiscal

Operating Budget: The Town's operating budget contains minimal provisions for expected repairs like snow removal, leaf pickup, and infrastructure repair after a storm or natural disaster. It also includes money for a variety of specified capital projects that are considered on an annual basis.

Federal/State Funding: The Town has received funding from U.S. Department of Housing and Urban Development's (HUD) CDBG program. CDBG funds have been issued for various sums and projects, and the Town is willing to use CDBG funds to enhance its mitigation projects. The Town applies for other grants as they become available.

Education and Outreach

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

The Town of Riga does not maintain a webpage specifically devoted to hazard mitigation; however, it does offer helpful resources to residents on its website. These resources include information on upcoming events, such as a rabies clinic, and on the County's Point of Dispensing (POD) system. The Town views its website as a way to provide timely information to residents.

The Town also sends out a newsletter to residents every other month; this newsletter contains information on emergency preparedness, potential hazards, code requirements, and other issues of community interest. Residents can also access copies of the Town's newsletter on the website. The Town maintains an on-site



bulletin board for relevant postings; however, it does not have any social media platforms. In addition, residents have the ability to sign up for reverse 911 cell phone notifications of emergencies through the Monroe County Emergency Communications Department.

9.23.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2011 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now ongoing programs and capabilities are indicated as such in the following table and may also be found under “Capability Assessment” presented previously in this annex.



Table 9.23-11. Past Mitigation Initiative Status

<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 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.	Town Board	Ongoing progress	Recruitment & retention of providers are ongoing and part of regular budget, depending upon need.	Discontinue	Describe in 2017 HMP as ongoing operational capability. Continue recruitment and retention efforts.
ES-4: Stockpile emergency supplies.	DPW	In Progress	Store fuel and salt for future Cannot store other emergency supplies because of shelf-life issues	Discontinue	Describe in 2017 HMP as ongoing operational capability. Continue storage of fuel and salt for potential emergency situations.
ES-5: Solicit “Mutual Aid” agreements.	Town Board Fire Department DPW	All In Progress	Mutual aid agreements are in place on behalf of each of the responsible parties to ensure coverage in the event of an emergency. These arrangements are funded by regular budget lines.	Discontinue	Describe in 2017 HMP as ongoing operational capability Continue solicitation of mutual aid agreements to ensure coverage for all municipal entities, in the event of a disaster or event.
ES-6: Engage emergency service jurisdictions in local municipal government processes.	Town Board; Fire Department	In Progress	Fire Department services are engaged on an as-needed basis, as part of the normal budget process.	Discontinue	Describe in 2017 HMP as ongoing operational capability Continue engagement of emergency services.
NRP-1: Ensure proper disposal of Hazardous Waste.	DPW	In Progress	Ongoing regional/inter-municipal outreach and events to dispose of Hazardous Waste. This is funded as part of DPW budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability Continue ensuring proper disposal of Hazardous Waste, as well as outreach to residents.



<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure.	Building Inspector; Town Board; Planning Board	In Progress	Ongoing process which requires permits for alterations to existing structures and new structures, in accordance with NYS Building Codes and Town of Riga Codes Funding is through Budget and in accordance with established fee schedule.	Discontinue	Describe in 2017 HMP as ongoing operational capability
NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure.	Building Inspector	In Progress	Ongoing process which requires permits for alterations to existing structures and new structures, in accordance with NYS Building Codes and Town of Riga Codes. Funding is through Budget and in accordance with established fee schedule.	Discontinue	Describe in 2017 HMP as ongoing operational capability
NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure.	Town Board	In Progress	Ongoing progress to administer a Floodplain Management Program, which includes attending continuing education/ongoing FEMA meeting requirements to mitigate potential future damages.	Discontinue	Describe in 2017 HMP as ongoing operational capability
NRP-5: Maintain “Urban Forests.”	N/A (County is responsible for)	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PEA-3: Review Utility Service & restoration plans.	N/A (Utility Company is responsible for)	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PEA-4: Identify and utilize a “Speakers Bureau.”	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PP-1: Identify “special hazard” areas.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure.	DPW Town Board Fire Department	In Progress	Ongoing maintenance process funded by annual Town Budget (roads, buildings, etc.). Fire Department maintains the infrastructure as part of their annual budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
PP-3: Solicit inter-municipal and interagency cooperation.	DPW Town Board Fire	In Progress	Ongoing process, as needed. Funded as part of normal budget process, or part of grant process.	Include in 2017 HMP	Continue language as provided



<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
	Department				
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PP-5: Property acquisition	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
PR-1: Enforce Building Code as required for existing and new infrastructure.	Building Inspector; Town Board	In Progress	Ongoing process. This is funded by annual budget. Building Inspector enforces Building Codes.	Discontinue	Describe in 2017 HMP as ongoing operational capability
PR-2: Comply with applicable federal and state regulations.	DPW; Building Inspector; Town Board	In Progress	Ongoing process. Actions are in compliance with applicable federal and state regulations.	Discontinue	Describe in 2017 HMP as ongoing operational capability
PR-5: Regular review of Local Laws	Town Board	Ongoing process	Town regularly tasks a committee to review codes and propose new language/revisions to Town Board. This was done in 2013, 2014, and 2015. Projected to continue as needed. Funded by regular budget line items.	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; Town Board	Ongoing process	Continual review of fire & burglar alarm; automatic notification system; and fire suppression system. Ongoing review of buildings and operations.	Discontinue	Describe in 2017 HMP as ongoing operational capability
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing and/or new infrastructure.	DPW; Town Board	Ongoing process	Continual review of fire & burglar alarm; automatic notification system; and fire suppression system. Ongoing review of buildings and operations.	Discontinue	Describe in 2017 HMP as ongoing operational capability
SP-3: “Target Harden” facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
SP-4: Expand fiber telecommunications networks.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.



2011 Mitigation Action	Responsible Party	Status (In Progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Dam-PEA-2: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	Town of Riga	No progress	Town Board proposed an update to the flood plain maps at the August 2015 meeting and need for updated flood plain overlay for future development considerations.	Discontinue	Describe in 2017 HMP as ongoing operational capability
EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Fire-ES-2: Local Project. Continue to provide Emergency Medical Services to the community. The Churchville Volunteer Fire Department is the first responder agency to all medical emergencies in our community.	Fire Department	Ongoing	Ongoing services; funded as part of normal budget process. Various programs, training, and supplies funded by a variety of grant opportunities.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Fire-PEA-2: Local Project. Churchville Volunteer Fire Department develops and schedules an annual campaign for Fire Prevention at schools, community functions, and public facilities using its interactive displays.	Fire Department	In Progress	Ongoing Fire Prevention process at schools, community events, and at public facilities; Funded as part of the normal budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
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.	Fire Department Town Board	In Progress	Ongoing public outreach through Town website, bulletin board, and Town Newsletter; funded in annual budget. Fire Department has ongoing program, funded through normal budget.	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.	Fire Department	In Progress; some design and implementation have been completed.	Completion of new Training Maze, will be complete in 2015. Phase 2 is roof simulator which will also be completed in 2015. Funded by grant money.	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	Fire Department	In Progress	At least 2 (and normally 4) training evolutions per year; one with ice and another without ice; 3 types of suits are tested and used for training. Also purchased Rapid Deployment Craft for ice and water training/emergency use.	Discontinue	Describe in 2017 HMP as ongoing operational capability. Consider consolidating with F1-ES-5 (below).



<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
			Funded through annual budget.		
FI-ES-4: Churchville Project. Enhance Fire Department Personnel Emergency Notification	Fire Department	In Progress	“I Am Responding” with mapping implemented in 2015. This is a text messaging system. Emergency calls come on a pager or via text (on cell phone). It pinpoints the location of a call or location to report to. Funded as part of budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-ES-5: Churchville Project. Provide water rescue training and equipment e.g. Wet Suits and associated equipment.	Fire Department	In Progress	At least 2 (and normally 4) training evolutions per year; one with ice and another without ice; 3 types of suits are tested and used for training. Also purchased Rapid Deployment Craft for ice and water training/emergency use. Funded through annual budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability Consolidate with F1-ES-1
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
FI-PEA-3: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	N/A (Village of Churchville project)	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing and/or new infrastructure.	Town Board	No progress	There were no affected properties for a declared flood, other than farmland. Progress is ongoing, on an as-needed basis.	Discontinue	Describe in 2017 HMP as ongoing operational capability, when applicable
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing and/or new infrastructure.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
FI-PP-5: Local Projects with the U.S. Army Corps of Engineers, “Risk Management Program.” Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting,	Town Board DPW	In Progress	No progress; work with US Army Corp of Engineers on an as-needed basis.	Discontinue	Describe in 2017 HMP as ongoing operational capability



<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
7.29.08).					
FI-PR-1: Implement an annual, “Waterway/Drainage Maintenance” Program	DPW	In Progress	Highway Crew clears culverts each year in preparation of ongoing road projects, and to prevent road erosion. This is funded in DPW budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
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	Not applicable to Town.	Discontinue	Not applicable to Town.
FI-SP-2: Local Project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing and/or new infrastructure.	Town Board	No progress	No suggestions or need for mitigation have been proposed to the Town of Riga.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	DPW	In Progress	Highway Superintendent maintains ongoing plan for clearing of roadways, purchases equipment as needed and fluctuates workforce to clear road depending upon weather condition. Funded as part of local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-ES-2: Regularly review restoration priorities	DPW	In Progress	Ongoing process to review restoration priorities. Funded as part of local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-ES-3: Enhance utility “Town Liaison” Program	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Ice-PEA-2: Develop alternate communications plan	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.





<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-PEA-4: Provide more public outreach during an emergency	Town Board; DPW; Fire Department	In Progress	Ongoing planning for public outreach. Continuously improving website for public outreach needs. Funded in local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Ice-PEA-6: Expand information available on websites	Town Board	In Progress	Improvements are made on an on-going basis to Town website. Funded as part of local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing and/or new infrastructure.	Town Board; DPW	Complete	Each municipal facility has a functioning generator available for continued services. Funded as part of local budget.	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
Ice-PR-1: Implement an “Annual, Tree/Stream Maintenance Program”	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing and/or new infrastructure.	DPW; Town Board	In Progress	Project to bury utility lines on Town property to remove them from playground area. This is a mitigation event to avoid endangering residents, as well as potential problems/injuries caused from lines falling on playground. To be completed by the end of 2015. Action is being funded jointly by Town budget and in part by funds from utility company.	Include	Future language might state “Relocate overhead utility lines running across Town of Riga property near playground.”
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	DPW	In Progress	DPW conducts semi-annual brush pickup (spring and fall) for residents. Plan is ongoing. Funded through local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability Semi-annual brush pickup program to remove/dispose of dead limbs, brush & debris.
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.



2011 Mitigation Action	Responsible Party	Status (In Progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
care facilities and elderly housing facilities. This may pertain to existing and/or new infrastructure.					
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure.	DPW; Town Board Fire Department	Complete	Backup generators have been installed at municipal buildings. Funded by local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability Future wording should indicate “maintain and/or replace backup power supply at public facilities.”
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, “Call Before You Dig.”	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
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.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
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.	Town Board	Complete	Town Board passed a Local Law dealing with unsafe structures. Funded by local budget.	Discontinue	Board took action to enact a local law to resolve this issue. It has been completed.
Terr-PP-1: Implement a strategy to “target harden” critical and public facilities. This may pertain to existing and/or new infrastructure.	Town Board; DPW	In Progress	Burglar, fire alarm systems, and fire suppressions are consistently reviewed/considered in an attempt to target harden our public facilities. Additionally, new plans for improving the security of our Town buildings which house our Court have been considered. These improvements are funded by local budget and grants.	Discontinue	Describe in 2017 HMP as ongoing operational capability



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.
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	Town Board; DPW; Town Court	In Progress	Efforts to work with local authority are ongoing on an as needed basis. Any actions are funded by the local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Terr-PR-3: Schools Project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	Town Board DPW Fire Department	In Progress	Emergency planning is an ongoing process. The emergency plan for the Town of Riga is being reviewed and scheduled to be updated between 2015 and 2016. Funding is handled through the local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.
Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic	N/A	No Progress	Not applicable to Town.	Discontinue	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	Power back-up supply is in place at the DPW for municipal fueling stations. Funded through local budget.	Discontinue	Describe in 2017 HMP as ongoing operational capability Consider changing language to read “assess condition, repair, or replace power back-up supply for municipal fueling station”.
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	Not applicable to Town.	Discontinue	Not applicable to Town.



<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In Progress, No progress, Complete)	<u>Describe Status</u> 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)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
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.	N/A	No Progress	Not applicable to Town.	Discontinue	Not applicable to Town.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town of Riga has identified the following mitigation projects and activities that have also been completed but were not identified in the previous mitigation strategy in the 2011 Plan:

- Water Project – The Town installed water lines throughout Town land for those residents without access to public water. This effort can be considered a mitigation project, because local wells could be subject to pollutants or impaired in the event of a natural disaster, terrorist attack, HazMat spill, or other event. This project was funded locally and has been fully completed.

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.

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

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

Table 9.23-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Riga would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives depend on available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

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

Table 9.23-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.23-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TR-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
TR-2	Relocate overhead utility lines running across Town of Riga property near playground.	Existing	Utility Failure	2, 3	Town, Utility Companies	Medium	Medium	Federal, State, and Local Funding	Short, DOF	High	SIP	PP
TR-3	Maintain or replace backup power supply at public facilities, as needed.	Existing	All Hazards	1, 2, 3	Town	High	Medium	Federal, State, and Local Funding	OG	High	SIP	ES, PR
TR-4	Assess the condition, repair needs, and replacement needs for power backup supplies at municipal fueling station. Take appropriate actions at conclusion of assessment.	Existing	All Hazards	1, 2, 3	Town	High	Medium	Federal, State, and Local Funding	OG	Medium	SIP	ES, PR

Notes:

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

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

Acronyms and Abbreviations:

Potential FEMA HMA Funding Sources:

Timeline:





Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

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

Timeline:

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

Costs:

Where actual project costs have been reasonably estimated:

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

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

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

Benefits:

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

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

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

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

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies, or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) — These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This category 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 after a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities*



Table 9.23-13. 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
TR-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
TR-2	Relocate overhead utility lines running across Town of Riga property near playground.	1	1	1	0	1	1	0	1	1	0	1	1	0	1	10	High
TR-3	Maintain or replace backup power supply at public facilities, as needed.	1	1	1	1	1	1	0	0	1	0	1	0	0	1	9	High
TR-4	Assess the condition, repair needs, and replacement needs for power backup supplies at municipal fueling station. Take appropriate actions at conclusion of assessment.	1	1	1	0	1	1	1	0	1	-1	1	0	0	1	8	Medium

Note: Refer to Section 6, which contains the guidance on conducting the prioritization of mitigation actions.



9.23.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.23.8 Hazard Area Extent and Location

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

9.23.9 Additional Comments

None at this time.



Figure 9.23-1. Town of Riga Landslide and Wildfire Hazard Area Extent and Location Map

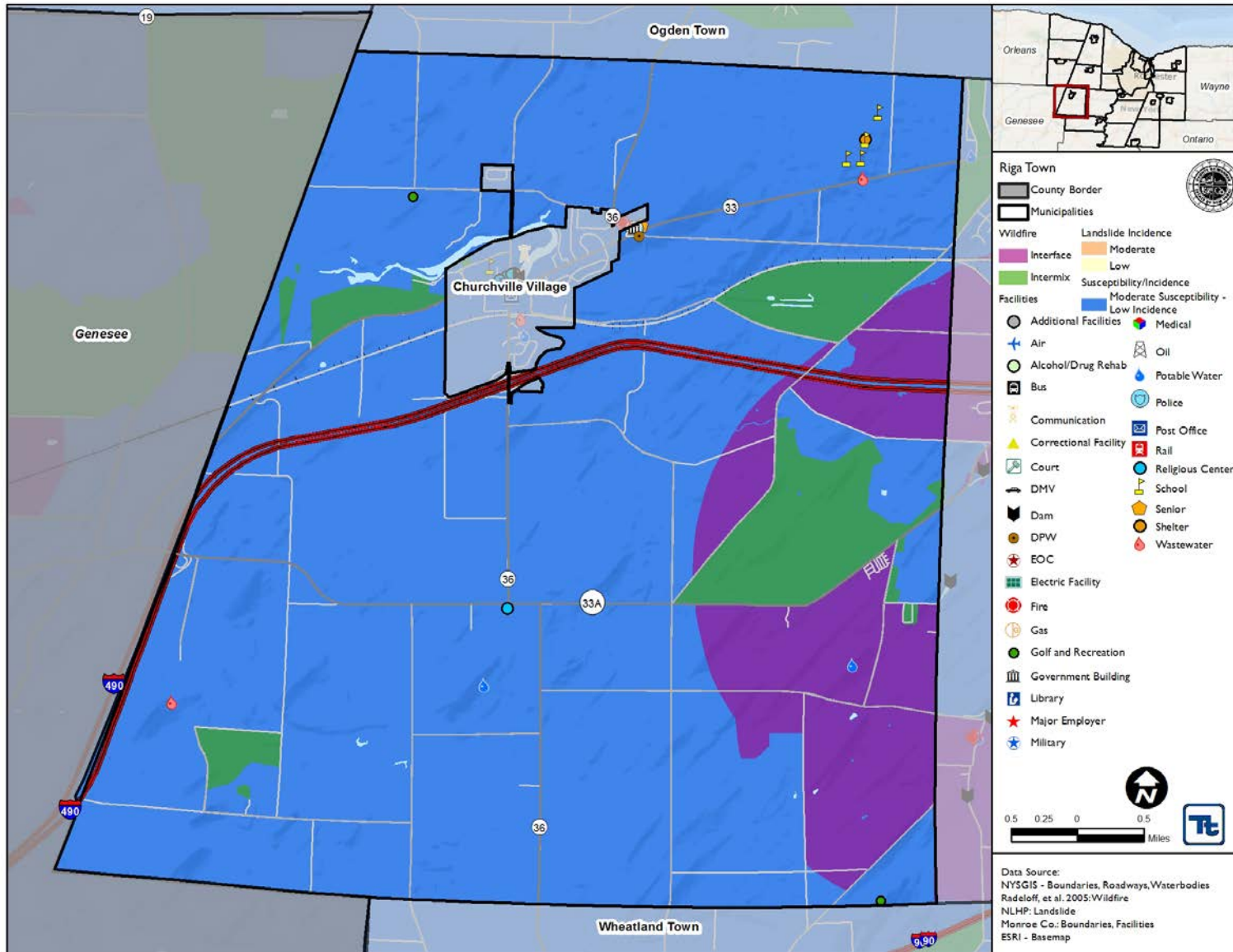
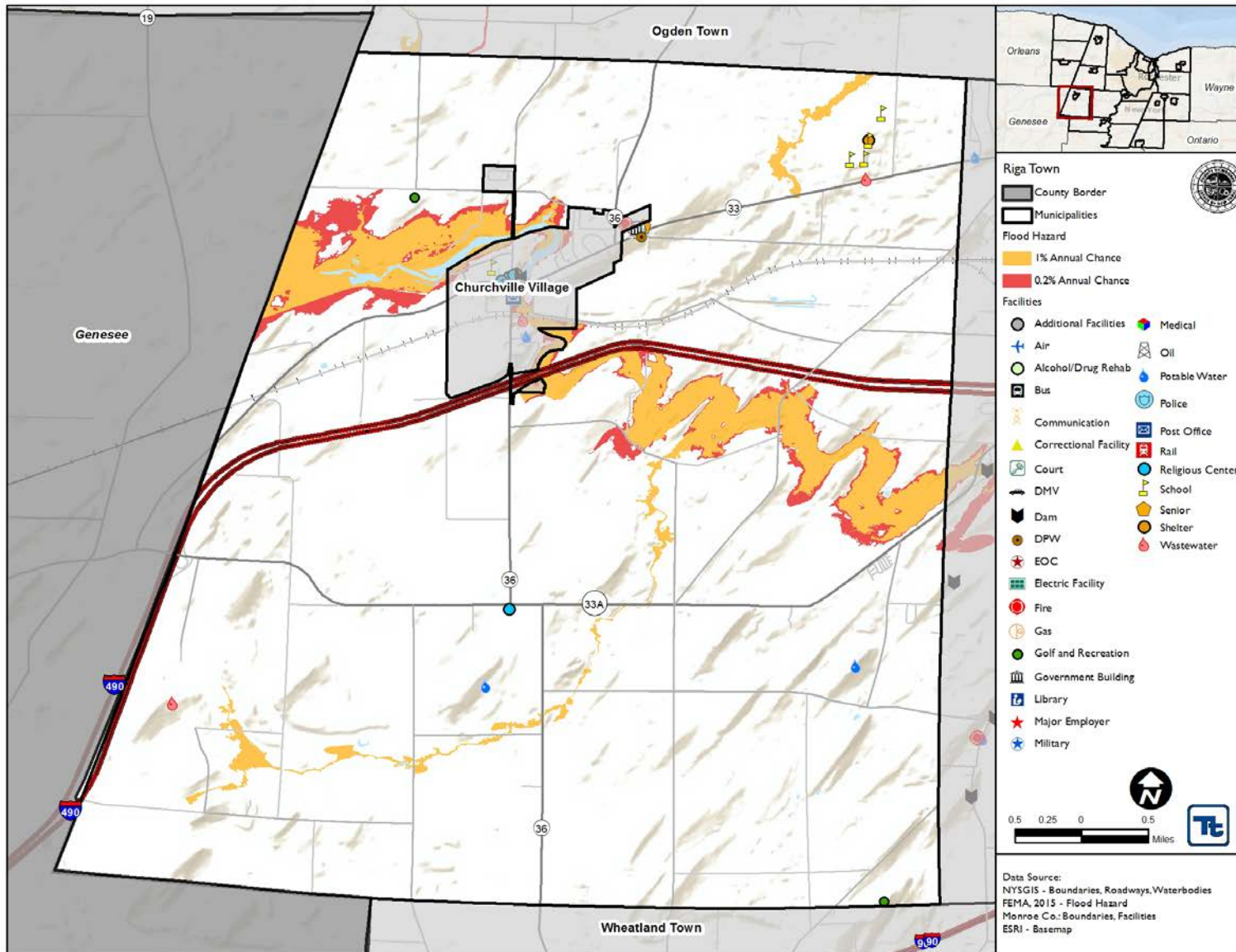




Figure 9.23-2. Town of Riga Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction:	Town of Riga
Action Number:	TR-1
Mitigation Action Name:	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.

Assessing the Risk	
Hazard(s) addressed:	Earthquake, Flood, Infestation, Landslide, Wildfire, HazMat
Specific problem being mitigated:	Enhancing local public information dissemination to increase preparedness and mitigation at an individual level.
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 – vulnerability continues or worsens 2. Conduct education and outreach – selected action
Action/Project Intended for Implementation	
Description of Selected Action/Project	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.
Mitigation Action Type	EAP
Goals Met	1, 3, 4
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	Town Clerk
Local Planning Mechanism	--
Potential Funding Sources	Operating budget
Timeline for Completion	Ongoing
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

TR-1

Mitigation Action Name:

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.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Enhance awareness and preparedness among residents, increasing safety.
Property Protection	1	Encourage greater property protection and mitigation at individual level.
Cost-Effectiveness	1	Most cost-effective project option.
Technical	1	
Political	1	
Legal	1	
Fiscal	1	Does not require external funding.
Environmental	0	
Social	1	Will benefit wide number of residents.
Administrative	-1	Requires increased administration and time for implementation.
Multi-Hazard	1	Earthquake, Flood, Infestation, Landslide, Wildfire, HazMat
Timeline	1	Ongoing
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority (High, Med, or Low)	High	



Name of Jurisdiction: Town of Riga

Name and Title Completing Worksheet:

Action Number: TR-2

Mitigation Action Name: Relocate overhead utility lines running across Town of Riga property near playground.

Assessing the Risk	
Hazard(s) addressed:	Utility Failure
Specific problem being mitigated:	Town residents, particularly in the playground area, may be endangered by falling utility lines.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Do nothing (does not reduce danger) Close playground areas near overhead utility lines (loss of recreational resource)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Relocate overhead utility lines running across Town of Riga property near playground. Lines will be buried.
Mitigation Action Type	SIP
Goals Met	2, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Town, Utility Companies
Local Planning Mechanism	None
Potential Funding Sources	Federal, state, and local funding
Timeline for Completion	Short, depending on funding
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

TR-2

Mitigation Action Name:

Relocate overhead utility lines running across Town of Riga property near playground.

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	0	
Environmental	1	
Social	1	
Administrative	0	
Multi-Hazard	1	
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority (Tier I, II or III)	High	



Name of Jurisdiction: Town of Riga

Name and Title Completing Worksheet: _____

Action Number: TR-3

Mitigation Action Name: Maintain or replace backup power supply at public facilities, as needed.

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Power loss at critical facilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	The Town is currently considering the feasibility of installing permanent generators or possibly the option of installing transfer switches to facilitate use of mobile generators.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Maintain or replace backup power supply at public facilities, as needed.
Mitigation Action Type	SIP
Goals Met	2, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High – reduce risk of power outage at critical facilities
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	DPW
Local Planning Mechanism	DPW operations
Potential Funding Sources	Budget & PDM
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

TR-3

Mitigation Action Name:

Maintain or replace backup power supply at public facilities, as needed.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	It could provide for continuity of government to service the community.
Property Protection	1	
Cost Effectiveness	1	
Technical	1	It would be technically feasible.
Political	1	
Legal	1	
Fiscal	0	Grant funding required
Environmental	0	
Social	1	
Administrative	0	The jurisdiction has the personnel and administrative capabilities to implement the action.
Multi-Hazard	1	Eliminate need to relocate essential services for residents, as well as support continuity of government.
Timeline	0	
Agency Champion	0	If determined feasible, it would be a supported project.
Other Community Objectives	1	
Total	9	
Priority (High, Medium, or Low)	High	



Name of Jurisdiction:	Town of Riga
Name and Title Completing Worksheet:	
Action Number:	TR-4
Mitigation Action Name:	Assess the condition, repair needs, and replacement needs for power backup supplies at municipal fueling station. Take appropriate actions at conclusion of assessment.

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Power loss at critical facilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	The Town is currently considering the feasibility of installing permanent generators or possibly the option of installing transfer switches to facilitate use of mobile generators.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Assess the condition, repair needs, and replacement needs for power backup supplies at municipal fueling station. Take appropriate actions at conclusion of assessment.
Mitigation Action Type	LPR, SIP
Goals Met	1, 2, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High – reduce risk of power outage at critical facilities
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	DPW
Local Planning Mechanism	DPW operations
Potential Funding Sources	Budget & PDM
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

TR-4

Mitigation Action Name:

Assess the condition, repair needs, and replacement needs for power backup supplies at municipal fueling station. Take appropriate actions at conclusion of assessment.

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	0	
Legal	1	
Fiscal	1	
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	0	
Other Community Objectives	0	
Total	9	
Priority (High, Medium, or Low)	Medium	