

## 9.2 Town of Ballston

This section presents the jurisdictional annex for the Town of Ballston. The town provided the following updates that were incorporated into this annex:

- Jurisdictional Annex Update Form (Contact Information, Profile, and Capability Assessment)
- Hazard Event History
- Hazard Ranking
- NYS Mitigation Action Worksheets

### 9.2.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Joseph Whalen, Highway and Water Superintendent Deputy Supervisor 323 Charlton Road, Ballston, NY 12020 (518) 885 – 7660, ext. 25 jwhalen@townofballstonny.org	Tim Szczepaniak, Town Supervisor 323 Charlton Road, Ballston, NY 12020 (518) 885 – 8502 tszczepaniak@townofballstonny.org

### 9.2.2 Town Profile

#### Population

10,369 (American Community Survey 5-Year 2016 Estimates)

#### Location

The Town of Ballston is located in the southern part of Saratoga County, and north of Schenectady. It is bounded on the north by Milton, on the east by Malta, on the south by Clifton Park and Schenectady County, and on the west by Schenectady County and Charlton. Ballston Spa is the principal village in the town, with a larger portion of it lying within the limits of Milton. New York State Route 50 (Saratoga Road) is a north-south highway. New York State Route 67 is an east-west highway in the northeast part of Ballston.

According to the U.S. Census Bureau, the town has a total area of 30.0 square miles (77.7 km<sup>2</sup>), with 29.6 square miles (76.7 km<sup>2</sup>) of it land and 0.4 square miles (1.0 km<sup>2</sup>) of it (1.33-percent) water.

#### Climate

Saratoga County, with all its municipalities, generally experiences seasonable weather patterns characteristic of the northeastern U.S. Warm summers are typically experienced, with occasional high temperatures and humidity. Midsummer temperatures typically range from 60°F to 83°F

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(Fahrenheit). The winters of Saratoga County are long and cold, with temperatures typically ranging from 12°F to 30°F (Fahrenheit). During the winter, temperatures are cooler than the temperatures in areas located near large bodies of water. Snow accumulates to an average depth of 68.7 inches each year.

### Brief History

The Ballston region was first settled around 1763. In 1775, the area became a District in Albany County. In 1780, British forces attacked the northern part of the town and took captives back to Canada. The area was originally called "Ball's Town" and "Ballton." The town was formed in 1785 while still in Albany County. The original owners of the town were the McDonald brothers. A man named Eliphalet Ball bought the area of land from them and called it Ball's Town. It stayed that way but over time it got shortened to Ballston.

### Governing Body Format

The Town of Ballston consists of a Town Supervisor and four Council members that meet twice a month to review and approve various requests from the various departments as well as from the public. Additionally, public meetings are scheduled and posted when it pertains to the general welfare and development of the town.

### Growth/Development Trends

The Town of Ballston has experienced significant growth and development within the past 10 years. According to Capital District Regional Planning Commission's 2017 review of regional population growth, the Town of Ballston is the second fastest growing municipality in the four county area of Saratoga, Albany, Rensselaer, and Schenectady counties. The Town of Ballston has grown by approximately 12.8% in population since 2010, based on estimates.

The Town of Ballston is in the process of updating its zoning code, which includes a voluntary Transfer of Development Rights program and encourages its largest development in the mixed use centers in the northern and southern ends of the Route 50 corridor within the Town of Ballston.

## 9.2.3 Town-Specific Hazard Information

Detailed hazard event histories can be found in the Previous Occurrences and Losses sections of each hazard profile in Section 5. The information summarized in Table 9.2-1 is unique hazard occurrences reported within the Town of Ballston in the last 10 years. Table 9.2-2 summarizes the Town of Ballston's ranking of the hazards based on probability of occurrence and impacts to the town.

**Table 9.2-1 Hazard Event History for the Town of Ballston**

Hazard	Previous Events (Last 10 Years)
Extreme Temperatures (Heat and Cold)	No information provided
Drought	No information provided
Earthquake	No information provided

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Hazard	Previous Events (Last 10 Years)
Flood	5
Ground Failure (Landslide, land Subsidence)	No information provided
Infectious Disease	No information provided
Severe Winter Weather (Ice storm, nor'easters, heavy snow, blizzards, freezing rain/sleet)	No information provided
Severe Storm (Hurricane, windstorm, thunderstorm, lightning, tornados, hail, microbursts)	No information provided
Wildfire	No information provided

**Table 9.2-2 Town of Ballston Hazard Ranking**

Rank #	Hazard Type	Probability of Occurrence	Risk Ranking Score <sup>a</sup>	Hazard Ranking <sup>b</sup>
7	Drought	Infrequent	16	Low
8	Earthquake	Rare	6	Low
3	Extreme Temperature	Frequent	48	High
3	Flood (riverine, flash, coastal and urban flooding)	Frequent	48	High
8	Ground Failure	Rare	6	Low
5	Invasive Species	Regular	36	Medium
1	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	Frequent	72	High
1	Severe Winter Storm (heavy snow, blizzards, ice storms)	Frequent	72	High
5	Wildfire	Regular	36	Medium

a. Risk ranking score = Probability x Impact

b. High = Total hazard priority risk ranking score of 31 and above; Medium = Total hazard priority risk ranking of 16-30; and Low = Total hazard risk ranking below 15

## 9.2.4 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Legal and regulatory capability;
- Administrative and technical capability;
- Fiscal capability; and,
- Community classification.

## Legal and Regulatory Capability

Table 9.2-3 Legal and Regulatory Capability of the Town of Ballston

Regulatory Tools (Codes, Ordinances, Plans)	Local Authority (Y or N)	Prohibitions (State or Federal) (Y or N)	Higher Jurisdictional Authority (Y or N)	State Mandated (Y or N)	Code Citation (Section, Paragraph, Page Number, date of adoption)
1) Building Code	Y	N	Y	N	New York State Building Code
2) Zoning Ordinance	Y	N	N	N	Local Town Zoning June 2006
3) Subdivision Ordinance	Y	N	N	N	Local Town Subdivision June 2006
4) National Flood Insurance Program (NFIP) Flood Damage Prevention Ordinance (if you are in the NFIP, you must have this.)	N	Y	Y	Y	
5) Growth Management	N	N	N	N	
6) Floodplain Management / Basin Plan	N	Y	Y	N	
7) Stormwater Management Plan/Ordinance	Y	N	Y	Y	Town Law, Ch. 91 & 92 January 2008
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	Local Planning and Zoning June 2006
9) Capital Improvements Plan (CIP)	N	N	N	N	
10) Site Plan Review Requirements	Y	Y	Y	N	Local Town Zoning June 2006
11) Open Space Plan	N	N	N	N	
12) Economic Development Plan	N	N	N	N	
13) Emergency Response Plan	Y	N	Y	Y	Emergency Operations Plan updated and approved 2016
14) Post Disaster Recovery Plan	Y	N	N	Y	Emergency Operations Plan updated and approved 2016
15) Post Disaster Recovery Ordinance	Y	N	N	Y	Emergency Operations Plan updated and approved 2016
16) Real Estate Disclosure req.	N	N	N	N	

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Regulatory Tools (Codes, Ordinances, Plans)	Local Authority (Y or N)	Prohibitions (State or Federal) (Y or N)	Higher Jurisdictional Authority (Y or N)	State Mandated (Y or N)	Code Citation (Section, Paragraph, Page Number, date of adoption)
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	N	Y	Y	N	Ballston Lake Overlay District (BLOD)

## Administrative and Technical Capability

**Table 9.2-4 Administrative and Technical Capability of the Town of Ballston**

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Sophia Marruso, Senior Planner; C.T. Male, Town Designated Engineer (under contract)
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Brian Theriault, Building Inspector; C.T. Male, Town Designated Engineer (under contract)
3) Planners or engineers with an understanding of natural hazards	Y	Sophia Marruso, Senior Planner; C.T. Male, Town Designated Engineer (under contract)
4) NFIP Floodplain Administrator (if you are in the NFIP, you must have one.)	Y	Brian Theriault, Building Inspector; C.T. Male, Town Designated Engineer (under contract)
5) Surveyor(s)	N	
6) Personnel skilled or trained in "Geographic Information Systems" (GIS) applications	Y	C.T. Male, Town Designated Engineer (under contract)
7) Scientist familiar with natural hazards in the Town of Ballston.	N	
8) Emergency Manager	Y	Deputy Supervisor and Town Supervisor
9) Grant Writer(s)	Y	Under Contract
10) Staff with expertise or training in benefit/cost analysis	N	

## Fiscal Capability

**Table 9.2-5 Fiscal Capability of the Town of Ballston**

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community Development Block Grants (CDBG)	Ballston Microenterprise Program

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Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
2) Capital Improvements Project Funding	Ballston Lake/Saratoga County Sewer Project
3) Authority to Levy Taxes for specific purposes	Water Department – unpaid fees
4) User fees for water, sewer, gas or electric service	Fees for water meter installations and connection
5) Impact Fees for homebuyers or developers of new development/homes	Parks and Recreation Fee
6) Incur debt through general obligation bonds	Water and Highway Infrastructure
7) Incur debt through special tax bonds	No
8) Incur debt through private activity bonds	No
9) Withhold public expenditures in hazard-prone areas	No
10) State mitigation grant programs (e.g. New York State Department of Environmental Conservation [NYSDEC], and New York City Department of Environmental Protection [NYCDEP])	No
11) Other	N/A

## Community Classifications

**Table 9.2-6 Community Classifications of the Town of Ballston**

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	NP	N/A
Public Protection	NP	N/A
Storm Ready	NP	N/A
Firewise	NP	N/A

N/A = Not applicable. NP = Not participating. - = Unavailable.

The classifications listed above relate to the community's effectiveness in providing services that may impact its vulnerability to the natural 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 one 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 1000 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;

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- 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 <https://www.weather.gov/stormready/>; and,
- The National Firewise Communities website at <http://firewise.org/>.

## 9.2.5 Mitigation Strategy

### Proposed Hazard Mitigation Initiatives

Table 9.2-7 Proposed Hazard Mitigation Initiatives of the Town of Ballston

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-1	Where appropriate, support retrofitting of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Identify facilities that are viable candidates for retrofitting based on cost-effectiveness versus relocation. Where retrofitting is determined to be a viable option, consider implementation of that action based on available funding.	Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1- 3, 2-2, 2-3, 2-4, 3-1, 3- 5	Municipality (likely through NFIP Floodplain Administrator )	NYS DHSES, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long Term



Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-2	Consider participation in incentive-based programs such as CRS	New & Existing	Flood	1, 2, 5	1-1, 1-3, 1-6, 2-1, 2-2, 2-3, 2-4, 5- 2	Municipality (likely through NFIP Floodplain Administrator )	NYS DHSES, ISO, FEMA	Low - Medium	Local Budget	Long Term
TB-3	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	New & Existing	All Hazards	All	All	Municipality (through mitigation planning point of contacts)	County (through Mitigation Planning Coordinator), NYS DHSES	Low – High (for 5-year update)	Local Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Long Term
TB-4	Continue to develop, enhance, and implement existing emergency plans, including the Town Emergency Operations Plan.	New & Existing	All Hazards	1, 3	1-1, 1-7, 3- 2, 3- 4, 3-5	Municipal Emergency Manager with support from County OEM and NYS DHSES	County Emergency Management , NYS DHSES	Low - Medium	Local Budget	Long Term
TB-5	Create/enhance/maintain mutual aid agreements with neighboring communities.	New & Existing	All Hazards	3, 5	3-4, 5-1, 5- 3	Local Emergency Management , DPW and Roads	Surrounding municipalities and County	Low - Medium	Local Budget	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-6	Support County-wide initiatives identified in Section 9.1 of the County Annex.	New & Existing	All Hazards	All	All	Local departments (as applicable for specific initiative)	County and Regional agencies (as appropriate for initiative)	Low - High	Existing programs and grant funding where applicable	Long Term
TB-7	Alleviate flooding along the Outlet Road which experiences frequent flooding: Outlet Road –Install steel shoring along south side of roadway for ¼-1/2 Mile.	Existing	Flood	1, 3	1-1, 3-6	Municipality	NYS DHSES, FEMA	Medium	FEMA HMA program with local budget for match	Long Term
TB-8	Establish a Farmland and Open Space Protection Program to achieve meaningful open space conservation even while growth and development occurs. Per Comprehensive Plan	New & Existing	Flood, Severe Storm	1, 2, 4	1-6, 1-8, 4- 1, 4-2, 4-3, 4-41-5	Municipality	Local departments; Saratoga County OES	Low	Local budget	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-9	Encourage the protection of stream corridors throughout the community, and water quality in Ballston Lake (e.g., stream buffers on classified streams). Included as part of the Ballston Lake Overlay Plan.	N/A	Flood, Severe Storm	4	4-1, 4-2	Municipality	NYS DHSES, FEMA	Medium – High depending on the initiative	FEMA HMA program with local budget for match	Ongoing
TB-10	Town should continue to work closely with the DEC and Saratoga County to establish a Stormwater management program and ensure compliance with US EPA Stormwater Phase II regulations. As a part of this process, establish GIS and information management system, leveraging off of the ToB LEMC's Online GIS system to collect, assemble, and manage MS4 information and data.	New & Existing	Flood, Severe Storm	1, 5	1-5, 1-6, 1-7, 5-2	Municipality (Building Department)	County; NYS DEC; US EPA	Medium – High	Local	Ongoing

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-11	Conduct a formal and funded needs assessment for fire and emergency services town-wide and regionally.	N/A	All Hazards	1, 3	1-1, 1-4, 3- 1, 3-2, 3-4	Municipality	Neighboring municipalities ; County; FEMA	Low	Local	Short Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-12	Continue to coordinate with neighboring municipalities, Saratoga County, the Saratoga Economic Development Corporation (SEDC), area school districts and emergency service providers, and regional entities such as the Capital District Transportation Committee (CDTC), the Capital District Transportation Authority (CDTA), and the Capital District Regional Planning Commission (CDRPC) in planning related activities. Currently have a Stormwater Mgmt. plan along with a County wide municipal agreement with the county.	New & Existing	All Hazards	3, 5	3-3, 3-4, 3- 5, 5-1, 5-2	Municipality	Neighboring municipalities ; County; SEDC	Medium - Low	Local	Short Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-13	Create/update the Emergency Action Plans for all dams located within the municipality.	Existing	Flood	1, 3	1-1, 1-6, 1-7, 3-1, 3-2,3-4	Municipality	Watershed districts (if applicable); neighboring municipalities ; County (if applicable); NYS	Medium to Low	FEMA HMA	Long Term
TB-14	Support the Installation/Implementation of Community Emergency Alert System. Test the system through joint exercises with local public safety organizations, and the County OES and training, exercises, and drills held jointly with the "whole community" including GO, and non-GO stakeholders, and the business community.	New & Existing	All Hazards	1, 3, 5	1-1, 3-1, 3-3, 3-5, 3-6,5-1	Municipality	Watershed districts (if applicable); neighboring municipalities ; County (if applicable); NYS	Medium	FEMA HMA	Ongoing

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-15	Create a mitigation support fund to provide matching funds on an ongoing basis for municipality and residential mitigation projects which will fund cost-sharing portions of projects and be replenished during the annual budget cycle.	New & Existing	All Hazards	1, 2, 3, 5	1-3, 1-9, 2-5, 3-1, 5-2	Municipality		Medium	Operating budget; PDM; HMGP; Critical infrastructure grants; EMPG; LGRMIF	Long Term
TB-16	Recent road repairs in the vicinity of Benedict and Randall Roads resulted in the accumulation of one foot of water in the area. This was resolved but the Town would like to implement a study this situation to avoid future problems.	Existing	Flood	1, 3	1-1, 3-1	Municipality		Medium	Operating budget	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-17	Strive to achieve the goals and objectives set forth in the ToB Conduct appropriate training and test the operational plans through tabletops, mutual aid drills and exercises that fit in with the local fire department and county fire training / drill schedules. Strive to coordinate an HSEEP compliant multi-agency Full Scale Exercise that addresses the Worst Case Scenario of a Train derailment carrying Hazardous Materials along the CP Rail Line; Goal 2020.	Existing Critical Infrastructure, (Road Crossings, Whites Beach, Rt 146 A, Outlet Road) and Environmentally Sensitive areas around Ballston Lake, adjacent to the Rail Line / Bike Path.	All Hazards -	1, 5	1-3, 5-2	Joint: ToB LEMC and County OES	CP Rail, County OEM, DHSES, EPA, US Coast Guard (Inland Water Way Regional Coordinator)	High	FEMA - Region II, Office of Exercise Coord., DHSES, Local, County LEPC, HMEP, 109th Air national Guard, and whole community, including business community, Rotary, and local Chambers of Commerce.	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-18	The Town Ballston Water Department and LEMC recommends procurement of a mobile trailer generator and truck mounted generator that allows for mobile power to be provided during a disruption in power at critical facilities (Sewer, Water, Library) for use during mass outages like the Storm of 2008.	New & Existing	All Hazards	1	1-1, 1-4	Town of Ballston Municipality:	Highway, Water, (New) Ballston Lake Sewer District, LEMC.	Medium	HMGP, Local Match, County, FEMA EMPG;	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-19	The Town Ballston LEMC recommends procurement of a fixed generator to be installed at the Town of Ballston Community Library for backup power to mitigate the effects of a power disruption for use during mass outages like the Storm of 2008. The Library a designated Critical Facility in the Town's Emergency Operations Plan.	Existing	All Hazards	1	1-1, 1-4	ToB LEMC, Library	ToB LEMC, Library	Low	Local, FEMA HMA, PDA, HMGP, DHS ES Critical Infrastructure grants	Long Term
TB-20	Update flood insurance maps by conducting a detailed flood study, H-H, FIRM update for the entire Ballston Lake Watershed.	N/A	Flood	1	1-6	LEMC	County; State; Federal	Medium	Water quality and protection grants; FEMA PDM	Short Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TB-21	Mitigate repetitive flooding on Outlet Road by raising the grade of the road 1'-2', co-incident with the excavation for installation and construction of the Ballston Lake Sewer lines and infrastructure for the upcoming Ballston Lake Sewer District project expected to commence 2019-2020	Existing	Flood	1, 3	1-1, 3-6	Town Highway Department		High	PDM	Short Term

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure?

Notes: Short term = 1 to 5 years; Long Term= 5 years or greater; OG = On going program; DOF = Depending on funding; NA = Not applicable; PDM = Pre-Disaster Mitigation Grant Program.

### Analysis of Mitigation Actions

This table summarizes the participant's mitigation actions by hazard of concern and the six mitigation types to illustrate that the Town has selected a comprehensive range of actions/projects.

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**Table 9.2-8 Analysis of Mitigation Actions of the Town of Ballston**

Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects
Drought	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Earthquake	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-8	TB-3, TB-6, TB-7, TB-9
Extreme Temperatures	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Flooding (riverine, flash, coastal and urban flooding)	TB-2, TB-3, TB-4, TB-6, TB-8, TB-10, TB-11, TB-12, TB-13, TB-14, TB-15, TB-16, 20	TB-1, TB-2, TB-3, TB-6, TB-9	TB-1, TB-2, TB-3, TB-6, TB-12	TB-3, TB-6	TB-2, TB-3, TB-4, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9, 21
Ground Failure	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Invasive Species	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TB-2, TB-3, TB-6, TB-8, TB-10, TB-11, TB-12, TB-14, TB-15	TB-1, TB-2, TB-3, TB-6, TB-9	TB-1, TB-2, TB-3, TB-6, TB-12	TB-3, TB-6	TB-2, TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Severe Winter Storm (heavy snow, blizzards, ice storms)	TB-3, TB-6, TB-8, TB-10, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9
Wildfire	TB-3, TB-6, TB-8, TB-11, TB-12, TB-14, TB-15	TB-3, TB-6, TB-9	TB-3, TB-6, TB-12	TB-3, TB-6	TB-3, TB-4, TB-5, TB-6, TB-11	TB-3, TB-6, TB-7, TB-9

Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects

Notes:

1. **Prevention:** Government, administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
2. **Property Protection:** 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.
3. **Public Education and Awareness:** 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 school-age and adult education programs.
4. **Natural Resource Protection:** 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.
5. **Emergency Services:** 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.
6. **Structural Projects:** 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.

## Prioritization of Mitigation Initiatives

**Table 9.2-9 Prioritization of Mitigation Initiatives of the Town of Ballston**

Initiative #	# of Objectives Met	Benefits	Costs	Do Benefits equal or exceed Costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can Project be funded under existing programs/budgets? (Yes or No)	Priority (High, Med., Low)
TB-1	8	H	H	Y	Y	N	M-H*
TB-2	8	M	L	Y	N	Y	H
TB-3	28	M	M	Y	N (Yes for 5-year update)	Y	H
TB-4	5	M	L	Y	N	Y	M
TB-5	35	M	L	Y	N	Y	H
TB-6	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TB-7	5	H	M	Y	Y	Y (local match)	M
TB-8	2	M	L	Y	N	Y	M
TB-9	6	M	M	Y	Y Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TB-10	4	H	M	Y	N	Y	M
TB-11	5	M	L	Y	N	Y	M
TB-12	6	M	M-L	Y	N	Y	M
TB-13	6	M	M-L	Y	Y	Y (local match)	M
TB-14	6	M	M	Y	Y	Y (local match)	M
TB-15	6	M	M	Y	N	Y	H
TB-16	2	L	L	Y	N	Y	H
TB-17	2	H	H	Y	N	Y	H
TB-18	2	H	M	Y	Y	Y	H
TB-19	2	H	L	Y	Y	Y	H
TB-20	1	H	M	Y	Y	N	H
TB-21	2	H	H	Y	Y	N	H

Notes: H = High. L = Low. M = Medium. N = No. N/A = Not applicable. Y = Yes.

\*This initiative has a Medium priority based on the prioritization scheme used in this planning process (implementation based on grant funding), however it is recognized that addressing repetitive and severe repetitive loss properties is considered a high priority by Federal Emergency Management Agency (FEMA) and NYS Division of Homeland Security and Emergency Services (NYSDHSES) (as expressed in the State HMP), and thus shall be considered a High priority for all participants in the planning process.

## Explanation of Priorities

- **High Priority** - A project that meets multiple objectives (i.e., multiple hazards), benefits exceeds cost, has funding secured or is an on-going project and project meets eligibility requirements for the Hazard Mitigation Grant Program (HMGP) or Pre-Disaster Mitigation Grant Program (PDM) programs. High priority projects can be completed in the short term (1 to 5 years).
- **Medium Priority** - A project that meets goals and objectives, benefits exceeds costs, funding has not been secured but project is grant eligible under, HMGP, PDM or other grant programs. Project can be completed in the short term, once funding is completed. Medium priority projects will become high priority projects once funding is secured.
- **Low Priority** - Any project that will mitigate the risk of a hazard, benefits do not exceed the costs or are difficult to quantify, funding has not been secured and project is not eligible for HMGP or PDM grant funding, and time line for completion is considered long term (1 to 10 years). Low priority projects may be eligible other sources of grant funding from other programs. A low priority project could become a high priority project once funding is secured as long as it could be completed in the short term.

Prioritization of initiatives was based on above definitions: Yes.

Prioritization of initiatives was based on parameters other than stated above: Not Applicable.

### 9.2.6 Future Needs to Better Understand Risk/Vulnerability

None at this time.

### 9.2.7 Additional Comments

No additional comments at this time.

## 9.2.8 NYS Mitigation Action Forms

Saratoga County Multi-Jurisdictional Hazard Mitigation Plan			
<b>Name of Jurisdiction:</b> Town of Ballston			
NYS DHSES Action Worksheet			
Project Name:	Update Flood Insurance Maps		
Project Number:	T-Ballston-2 TB-20		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	Current Floodplain maps throughout Saratoga County are not compliant with modern guidelines and standards be compliant with FEMA's modern Risk Mapping, Assessment and Planning (Risk MAP) Program. These guidelines and standards define the specific implementation of the statutory and regulatory requirements for the National Flood Insurance Program. In particular, the area within the Ballston Lake watershed and shorelines of Ballston Lake are grossly in error and are in need of updating. Without accurate, and compliant floodplain maps, risk assessment and reliable loss estimates.		
Action or Project Intended for Implementation			
Description of the Solution:	Detailed flood study, H-H, FIRM update for the entire Ballston Lake Watershed. It is clearly documented in past mitigation plans from the State and County that floods are hazards of highest concern. FEMA is the regulatory agency, and sets the Standards for Flood Risk Analysis throughout the Country. An essential foundation or starting point for conducting this analysis in GIS is to have accurate and updated floodplain mapping detail. The Floodplain Maps for Saratoga County are old and obsolete, and out of compliance with modern guidelines and standards for Flood Risk Analysis and Mapping and have a direct effect on setting mandatory flood insurance rates.		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	500-year	Estimated Benefits (losses avoided):	\$100,000 (+) annually to residents in NFIP premiums
Useful Life:	25 years		
Estimated Cost:	\$150,000		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2019-2020
Estimated Time Required for Project Implementation:	1.5 years	Potential Funding Sources:	Water quality and protection grants; FEMA PDM
Responsible Organization:	Local Emergency Management Committee, in cooperation with County, State, and FEMA	Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Plan
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
	Collect and process necessary Geospatial information, including existing 2-meter LIDAR supplemented by high-resolution material	\$100,000	
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			
2017 New York State Hazard Mitigation Planning Standards Guide			

### Multi-Jurisdictional Hazard Mitigation Plan

Saratoga County, New York

January 2, 2019



## Saratoga County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Town of Ballston

NYS DHSES Action Worksheet			
Project Name:	Repetitive flooding on Outlet Road		
Project Number:	T-Ballston-1 TB-21		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	Flooding along Lake and Ballston Creek: Repetitive flooding on Outlet Road – North end of Ballston Lake		
Action or Project Intended for Implementation			
Description of the Solution:	Alleviate flooding along the Outlet Road which experiences frequent flooding: Outlet Road – Raise the grade of the road, 1-2', co-incident with the excavation for installation and construction of the Ballston Lake Sewer lines and infrastructure for the upcoming Ballston Lake Sewer District project expected to commence 2019-2020. 1) Prepare Pre-Disaster Mitigation Grant Application, 2) Review environmental-historic impacts, 3) Perform water environmental impact statement, and 4) Perform a cost-benefit analysis.		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	100-year flood	Estimated Benefits (losses avoided):	Alleviate flooding, road closures during 100-year flood events and other incidents
Useful Life:	100 years		
Estimated Cost:	\$150,000.00		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2020 co-incident with sewer construction
Estimated Time Required for Project Implementation:	3 Months	Potential Funding Sources:	<a href="https://www.fema.gov/pre-disaster-mitigation-grant">https://www.fema.gov/pre-disaster-mitigation-grant</a>
Responsible Organization:	Town Highway Department	Local Planning Mechanisms to be Used in Implementation, if any:	Highway maintenance plan, stormwater management plan
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
	Install steel shoring along roadway for 1/4 -1/2 mile	\$250,000	
Progress Report (for plan maintenance)			
Date of Status Report:	11/30/2018		
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

2017 New York State Hazard Mitigation Planning Standards Guide