

9.11 Town of Lewisboro

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

9.11.1 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
Peter Parsons, Supervisor 11 Main Street, South Salem, New York 10590 914-763-9035 supervisor@lewisborogov.com	Joseph M. Cermele, P.E., CFM, Town Consulting Engineer Kellard Sessions Consulting, P.C. 500 Main Street, Armonk, New York 10504 914-273-2323 jcermele@kelses.com

9.11.2 Municipal Profile

This section provides a summary of the community.

Population

According to the U.S. Census, the 2010 population for the Town of Lewisboro was 12,411, with a population density of 430 per square mile. The population slightly increased from the 2000 census (12,324).

Location

The Town of Lewisboro is situated in the northeast corner of Westchester County approximately 18 miles north of White Plains. The town is approximately 29.1 square miles in area. Lewisboro is bordered by the municipalities of North Salem to the north, Somers and Bedford to the west, Pound Ridge to the south, New Canaan, Connecticut and Wilton, Connecticut to the southeast, and Ridgefield, Connecticut to the east. The Town of Lewisboro includes the hamlets of Cross River, Golden's Bridge, Lewisboro Hamlet, South Salem, Vista, and Waccabuc.ⁱ

Brief History

The Town of Lewisboro was originally settled in 1731 and was known as Salem until 1783. From 1783 until 1806 it was known as Lower Salem. In 1806 the name was changed to South Salem. In February 1840, John Lewis donated \$10,000 to support public education, with the caveat that the town name be changed to Lewisboro.

Lewisboro was primarily an agricultural community in the 18th and 19th centuries. The extent of settlement that existed by 1800 was such that Lewisboro's basic road pattern and large land tract property configuration has changed little sinceⁱⁱ. Like many communities in Westchester County, Lewisboro experienced growth in the 1950's and 1960's as part of the New York City metropolitan area. However, Lewisboro continues to be primarily a low-density community of single-family homes very little commercial and industrial development and will likely continue to experience relatively minimal growth in the future.

Governing Body Format

Lewisboro operates under the Supervisor-Council form of municipal government. The Supervisor is elected for a two-year term and acts as chief executive officer. There is a five-member Town Board consisting of the

Supervisor and four officials who are elected every four years, with three of the positions up for election every two yearsⁱⁱⁱ.

Growth/Development Trends

The following table summarizes recent residential/commercial development since 2005 and any known or anticipated major development that has been identified in the next five years within the municipality. Refer to the map in Section 9.11.8 of this annex which illustrates the hazard areas along with the location of new development.

Table 9.11-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	Number of Units / Structures	Location (address and/or Parcel IDs)	Known Hazard Zones*	Description / Status
Recent Development					
Oakridge Gardens	Residential	Approx. 10 of 46 units completed	Smith Ridge Road	None	46 unit multi family, under construction
Known or Anticipated Development					
Falcon Ridge Subdivision	Residential	11	NYS Route 138, Goldens Bridge	None	11 lot subdivision; under construction
Popoli Subdivision	Residential	5	NYS Route 35/123	None	6 lot subdivision, 5 new homes; under construction
Oakridge Gardens	Residential	46 total units planned (see row above)	Smith Ridge Road	None	46 unit multi family, under construction
Kaplan Self-Storage	Commercial	2 buildings; 45 units	397 Smith Ridge Road	None	45 unit self-storage
Silvermine Subdivision	Residential	12	Silvermine Drive	None	12-lot subdivision, partially complete
Arius / Lexus	Residential	1	NYS Route 123	None	2 lot subdivision, one new house
Goldens Bridge Shopping Center	Commercial	1 Building	NYS Route 138	Non	2-story commercial building
Pinheiro Subdivision	Residential	1	NYS Route 35	None	2-lot subdivision, one new house
Syms Subdivision	Residential	1	NYS Route 121	None	2-lot subdivision, one new house

* Only location-specific hazard zones or vulnerabilities identified.

9.11.3 Natural Hazard Event History Specific to the Municipality

Westchester 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. For the purpose of this plan, events that have occurred in the County from 2005 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on

reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.11-1. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
August 26 - September 5, 2011	Hurricane Irene	DR-4020	Yes	Significant tree damage and power outages lasting up to 6 days. The Town performed an average of 35 basement pump outs per day during the storm. Many roads were flooded and washed away. Golden's Bridge was isolated by the flooding.
September 7-11, 2011	Remnants of Tropical Storm Lee	DR-4031	No	Elmwood Road experienced flooding damage that closed the road for two days with a cleanup cost of \$1,200.
October 29-30, 2011	Winter Storm "Alfred"	DR-4046	No	Major tree damage. Many neighborhoods were isolated for up to a week due to impassable streets. Power outages lasted 6 to 7 days.
October 27- November 8, 2012	Hurricane Sandy	DR-4085	Yes	Major tree and wind damage along with significant power outages. The Onatru Farm House lost a significant section of roof. Several houses lost siding and suffered roof damage. Power outages lasted two weeks. The Vista Fire House was used as a temporary shelter until shelters were relocated to regional shelters by the National Guard.

Notes:

EM Emergency Declaration (FEMA)

FEMA Federal Emergency Management Agency

DR Major Disaster Declaration (FEMA)

IA Individual Assistance

N/A Not applicable

PA Public Assistance

9.11.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Town of Lewisboro. 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 Lewisboro.

Table 9.11-2. 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
Earthquake	100-Year GBS: \$0 500-Year GBS: \$1,214,590 2,500-Year GBS: \$26,617,133	Occasional	24	Medium
Extreme Temperature	Damage estimate not available	Frequent	21	Medium

Table 9.11-2. 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
Flood	1% Annual Chance: \$33,846,622	Frequent	36	High
Severe Storm	100-Year MRP: \$8,753,921 500-year MRP: \$53,274,160 Annualized: \$497,019	Frequent	48	High
Winter Storm	1% GBS: \$32,434,505 5% GBS: \$162,172,526	Frequent	51	High
Wildfire	Estimated Value in the WUI: \$2,128,070,277	Frequent	48	High
CBRN Incident	Damage estimate not available	Frequent	45	High
Cyber Attack	Damage estimate not available	Frequent	36	High

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 the custom inventory developed for Westchester County and probabilistic modeling results and exposure analysis as discussed in Section 5.

c. The earthquake and hurricane wind hazards were evaluated by Census tract. The Census tracts do not exactly align with municipal boundaries; therefore, a total is reported for each Town inclusive of the Villages.

d. Frequent = Hazard event that is likely to occur within 25 years;
Occasional = Hazard event that is likely to occur within 100 years; and
Rare = Hazard event that is not likely to occur within 100 years

e. The estimated potential losses for Severe Storm are from the HAZUS-MH probabilistic hurricane wind model results. See footnote c.

GBS = General building stock

MRP = Mean return period

RCV = Replacement cost value

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the municipality.

Table 9.11-3. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Flood Boundary (3)
Lewisboro (T)	66	21	\$161,346.51	0	0	5

Source: FEMA Region 2, 2014

(1): Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2, and are current as of March 31, 2014. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents the number of claims closed by March 31, 2014.

(2): Information regarding total building and content losses was gathered from the claims file provided by FEMA Region 2.

(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. 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.

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 events.

Table 9.11-4. Potential Flood Losses to Critical Facilities **Tetra Tech to complete this table.**

Name	Type	Exposure		Potential Loss from 1% Flood Event			Potential Loss from 0.2% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽²⁾	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽²⁾

Town House	Municipal / EOC								
Vista FD	Fire Department / Temp. Shelter								
South Salem FD	Fire Department								
Golden's Bridge FD	Fire Department								
Lewisboro Ambulance Corp.	Ambulance								
Golden's Bridge Community House	Potential shelter								
John Jay High School	Backup EOC / School / Potential shelter								
Meadow Pond Elementary	School								
John Jay Middle	School								
Increase Miller Elementary	School								
Lewisboro Elementary	School								
Lewisboro Library	Library / Temp. Shelter / Staging								
Highway Department	Public Works								
Lewisboro PD	Police Department								
Cyrus Russell Community House	Temp. shelter								
Onatru Farm House	Potential shelter								

Source: HAZUS-MH 2.1

Note: x = Facility located within the 0.2-percent annual chance flood boundary.

Please note it is assumed that wells have electrical equipment and openings are three-feet above grade.

- (1) HAZUS-MH 2.1 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.1 User Manual).
- (2) In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type.

Other Vulnerabilities Identified by Municipality

The Town of Lewisboro is vulnerable to a variety of hazards. Town staff believes that the effects of severe storms and severe winter storms present the highest relative risk to the community. The effects of dam failure, extreme cold, extreme heat, flooding, in-transit hazardous materials accidents, hurricanes/tropical storms/nor'easters, ice storms, lightning, transportation accidents, and windstorms are believed to be of moderate risk to the community. Other hazards present a low or negligible risk to the community.

Critical Facilities and Shelters

- Golden's Bridge Community House (65 Old Bedford Road) does not have a backup generator. The town would like to use this building as a shelter if a generator is obtained.
- The Lewisboro Police Department does not have a backup generator. They would like to install a permanent one but the space is rented and the landlord will only allow a towable setup. Backup power at this facility is important.
- The town would like to use the Onatru Farm House as a shelter but it does not have a backup generator.
- There are no "designated" primary shelters in town as there is not a facility that is large enough and has appropriate amenities, including a backup generator. During Hurricane Sandy, the Vista Fire House was used as a shelter until the National Guard moved residents to shelters in Ridgefield and New Canaan, Connecticut. Town officials indicated that John Jay High School may be the best location for a primary shelter, but supplies are needed.
- The Town House does not have a fire protection sprinkler system.

Flooding

The following flood-prone areas have been identified by the Town of Lewisboro through the Westchester County Stormwater Reconnaissance Plan process (see Section 6 – Capability Assessment for a description of the program; see map at the end of this annex for location of these problem areas), as well as identified in during data collection meetings:

- Significant rainfall events cause trees to uproot and fall over even with little wind due to soaked ground.
- Tropical Storm Irene caused significant tree damage and power outages that lasted up to six days. The town averaged 35 basement pumpouts a day during this storm due to flooding. Many roads were flooded and washed away.
- Approximately 1/3 of the town has sump pumps and when they fail or lose power the basements flood (most of which are finished basements).
- Some flooding in town is due to blocked culverts. Town officials indicated that they do not have the appropriate equipment to remove debris from pipes. They believe a jet truck would be beneficial.
- The primary areas that are prone to flooding are located along Route 138 and Todd Road. These are low-lying areas that flood. Other flood prone areas discussed in more detail below:
 - A culvert underneath Todd Road cannot handle the volume of flow that drains from Lake Katonah during storms. Flooding in the vicinity of the culvert deposits debris on residential properties. Flooding reaches a depth of approximately eight inches. This area is not within a designated flood zone.
 - A culvert underneath Elmwood Road cannot handle the volume of flow along the tributary to Scotts Reservoir. Part of the issue is that two unnamed streams converge immediately upstream of the culvert. Flooding overtops the road and causes erosion of a nearby driveway, and also deposits debris on residential properties. On one occasion a home has been directly damaged. Flooding reaches a depth of approximately two feet and Elmwood Road has washed out in the past. This area is not within a designated flood zone. This area experienced two to five days of flooding and damage during Irene, Lee, Sandy, and the 2007 Nor'easter with restoration by the Town totaling \$31,836. The Highway Department must clear debris prior to every storm event in an effort to mitigate flooding damage. A project has been designed to upgrade this crossing at a cost of \$108,500 that would mitigate future damage to the road and nearby properties. FEMA funds have been requested for this work.

- The Mill River overflows its banks which causes flooding of and damage to Lake Kitchawan Drive. The conveyance pipe is undersized and cannot handle the volume of water during significant storms. The area is within the 1% annual chance floodplain.
- Significant storms since 2007 have repetitively damaged a section of East Street. Gravel and fine stone from the road has eroded into nearby watercourses and waterbodies. The area is not within a designated flood zone.
- Significant storms have repeatedly damaged School House Road and the driveways to two or three residential properties. This appears to be a drainage-related issue. The area is not within a designated flood zone. Preliminary designs are in development to reconstruct a section of Schoolhouse Road and improve the stormwater management system.
- The Mill River can overwhelm conveyance pipes along Kitchawan Road and this area may need larger pipes. Flood-related damage to the road has occurred, and flooding depths range from 12- to 18-inches which has washed out the road. The area is within the 1% annual chance floodplain. A project is being designed to replace this crossing with an open-bottom concrete box culvert. The proposed project will reconstruct and raise the elevation of a section of Kitchawan Road.
- The Post Office on Main Street experiences routine flooding due to poor drainage in the area. A stormwater management basin is proposed on vacant land north of the post office on Main Street to accept stormwater runoff from Main Street and Salem Hill Road and reduce flooding in the area.
- The town maintains 12 miles of dirt roads. These roads are links to main roads and are typically washed out during heavy rain events. Dirt roads cannot be paved unless the Town Board agrees. Town officials noted that many residents do not want these roads paved because they want to maintain the rural feel of the town. However, portions of School House Road have been identified as needing pavement to prevent future washouts.
- During Irene, flooding isolated portions of Golden's bridge for a significant period of time.
- Beavers cause nuisance flooding along Todd Road, Sullivan Road, and Oscaleta Road.
- The Town has no major concerns with respect to dams. These are primarily State-, County-, or privately owned, although at least one is owned by a utility.

Wind

- Trees are the main concern in the town of Lewisboro as they are the primary cause of power outages, especially during wind events. Hurricane Sandy caused major tree and wind damages and significant power outages. The Onatru Farm House (a potential shelter for Lewisboro) lost a significant amount of roof, and several other houses lost siding and suffered roof damage. Power outages lasted two weeks.
- The entire town is susceptible to wind damage. The Onatru Farm House (a potential shelter) is particularly prone to wind damage due to its location.
- The town budget of \$8,000 per year is insufficient for the amount of tree trimming that is required in Lewisboro.

Snow

- The October snowstorm (Alfred) caused major tree damage – neighborhoods were cut off for a week due to impassable streets. Power outages lasted six to seven days.
- The Town would like to replace the roof on the salt dome (Route 35) as it is past its useful life.

Wildfires

- There have been no notable wildfires in Lewisboro over the past several years. No areas of the community are believed to be more susceptible to wildfire than any other.
- The Town's only public water supply system is located at Oak Ridge Condominiums. Town officials indicated that there is a need to upgrade the Oak Ridge Condominiums fire protection system to be a fire rated system, but the system is privately owned.
- Dry hydrants are used throughout the Town to provide fire protection water. A total of 11 are in South Salem, three or four are in Vista, and three or four are in Goldens Bridge. There is a need for a 30,000 gallon cistern off Cross Pond Road to provide fire protection water in this area, as there is currently no coverage in this area. The Town received an estimate of approximately \$85,000 to \$100,000 for this project from start to finish.
- A large wildfire occurred in the Ward Pound Ridge Reservation several years ago and burned for five to six days. This park is owned by Westchester County.

9.11.5 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

The Town of Lewisboro has indicated that the community's political leadership is "moderately willing" to enact policies and programs related to hazard mitigation that reduce hazard vulnerabilities. Town staff believe that the Town's capabilities to effectively implement hazard mitigation strategies to reduce hazard vulnerabilities is "high" for planning and regulatory capability and administrative and technical capability, and "moderate" for fiscal capability, community political capability, and community resiliency capability.

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the municipality.

Table 9.11-5. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Building Code	Y	Local/State	Building Department	NYS Building Code
Zoning Ordinance	Y	Local	Building Department	Chapter 220, adopted February 1969
Subdivision Ordinance	Y	Local	Planning Board	Chapter 195, adopted May 1973
NFIP Flood Damage Protection Ordinance	Y	State, Local	Building Department	Chapter 126, adopted October 2007
NFIP - Freeboard	Y	Federal, State, Local	Building Department	State mandated BFE+2 for all residential and non-residential buildings
NFIP - Cumulative Substantial Damages	N			

Table 9.11-5. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Special Purpose Ordinances (e.g. wetlands, critical or sensitive areas)	Y	Local	Wetland Inspector/Planning Board	Wetland Ordinance, Chapter 217, adopted February 2004
Growth Management	N	N/A	N/A	N/A
Floodplain Management / Basin Plan	N	N/A	N/A	N/A
Stormwater Management Plan/Ordinance	Y	Local	Building Department/Planning Board	Stormwater Ordinance, Chapter 189, adopted December 2007 and amended in its entirety November 2012; Town Stormwater Pollution Prevention Plan
Comprehensive Plan / Master Plan	Y	Local	Building Department/Planning Board	Master Plan, adopted May 24, 1985
Capital Improvements Plan	Y	Local	Town Board	
Site Plan Review Requirements	Y	Local	Planning Board	Chapter 220, Article VI
Habitat Conservation Plan	N	N/A	N/A	N/A
Economic Development Plan	N	N/A	N/A	N/A
Emergency Response Plan	Y	Local	Town Board/First Responders	
Post Disaster Recovery Plan	N	N/A	N/A	N/A
Post Disaster Recovery Ordinance	N	N/A	N/A	N/A
Real Estate Disclosure req.	Y	State	N/A	NYS mandate
Other (e.g. steep slope ordinance, local waterfront revitalization plan)	Y	Local	Building Department	Chapter 220, Section 220-21, Zoning Regulations
Coastal Erosion Control Districts	N	N/A	N/A	N/A
Shoreline Management Plan	N	N/A	N/A	N/A
Sediment Control	Y	Local	Building Department/Planning Board	Chapter 189, adopted December 2007 and amended in its entirety November 2012
Mutual Aid Plan	Y	County	Town Board	Mutual Aid Plan in place for entire County

(1) NYS Subdivision laws provide a general framework, but allow room for local ordinances and interpretation.

Administrative and Technical Capability

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

Table 9.11-6. Administrative and Technical Capabilities

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Consulting Town Engineer, Planner and Wetland Professionals
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Consulting Town Engineer
Planners or engineers with an understanding of natural hazards	Y	Consulting Town Engineer
NFIP Floodplain Administrator	Y	Building Inspector
Surveyor(s)	N	N/A
Personnel skilled or trained in "GIS" applications	Y	Consulting Town Planner/Engineer

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
Scientist familiar with natural hazards in the County.	N	N/A
Emergency Manager	Y	Lewisboro Emergency Management Committee
Grant Writer(s)	N	N/A
Staff with expertise or training in benefit/cost analysis	N	N/A
Professionals trained in conducting damage assessments	N	N/A

Fiscal Capability

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

Table 9.11-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community Development Block Grants (CDBG)	No. HUD is preventing funding from County administrators.
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact Fees for homebuyers or developers of new development/homes	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Don't Know
Incur debt through private activity bonds	Don't Know
Withhold public expenditures in hazard-prone areas	No
Mitigation grant programs	Yes
Other	N/A

Community Classifications

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

Table 9.11-8. Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	NP ^{iv}	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	63.41 commercial rating 63.01 residential rating	Current
Public Protection	NP	N/A
Storm Ready	NP ^v	N/A
Firewise	NP ^{vi}	N/A

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 lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when

the subject property is 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
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

National Flood Insurance Program

The following section provides details on the National Flood Insurance Program (NFIP) as implemented within the municipality:

NFIP Floodplain Administrator:

Peter Barrett, the Town Building Inspector is the Floodplain Administrator.

Flood Vulnerability Summary

The Town does not maintain lists/inventories of properties that have been damaged by floods. Substantial damage estimates are not made by the Floodplain Administrator, but rather by a registered architect or engineer. Substantial damage estimates were not made during Hurricane Sandy or other events. However, it was noted that Sandy and other events did not cause flood damage to structures. Currently, it is not believed that any residents interested in mitigation (elevation or acquisition) are located in the Town.

Resources

The Floodplain Administrator, building department staff and a part time secretary are responsible for floodplain administration duties. Services and functions related to the NFIP are primarily constrained to permit review and inspections. The Floodplain Administrator feels that they are adequately supported and trained to fulfill their responsibilities. The Floodplain Administrator would consider attending continuing education and/or certification training on floodplain management if the training also qualified for continuing education credit for Building Inspectors through New York State. The Town does not currently provide education or outreach to the community regarding flood hazards/risk, flood risk reduction through NFIP insurance, mitigation, etc.

Compliance History

The Floodplain Administrator did not provide information regarding compliance history. However, the community is believed to be in good standing in the NFIP.

Regulatory

The Town's floodplain management regulations/ordinances are consistent with the State minimum requirements which are more restrictive than the NFIP. There are local ordinances, plans and programs that support floodplain management and meet the NFIP requirements. The community has not considered joining the CRS program.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.

Planning

Upon adoption, this hazard mitigation plan will be made available to applicable Town departments as a planning tool to be used in conjunction with existing documents and regulations. It is expected that revisions to other Town plans and regulations such as the Comprehensive Plan, department annual budgets, and the Town code may reference this plan and its updates. The Supervisor will be responsible for ensuring that the actions identified in this hazard mitigation plan are incorporated into ongoing Town planning activities, and that the information and requirements of this hazard mitigation plan are incorporated into existing planning documents within five years from the date of adoption or when other plans are updated, whichever is sooner. Refer to Table 9.11.10 for a cross-reference of which plans and regulations may be most important for updating relative to this hazard mitigation plan.

Table 9.11-10. Plans and Regulations to be potentially updated

Regulation or Plan	Status Relative to Hazard Mitigation Plan	Responsible Party
Comprehensive Emergency Response Plan	The next major revision of these plans will incorporate elements of this hazard mitigation plan	Supervisor
Comprehensive Plan	The next major revision of this plan will incorporate elements of this hazard mitigation plan	Town Board/Planning Board

The Supervisor will be responsible for assigning appropriate Town officials to update portions of the Comprehensive Plan, Comprehensive Emergency Management Plan and the Town Code to include the provisions from this Plan if it is determined that such updates are appropriate. However, should a general revision be too cumbersome or cost prohibitive, simple addendums to these documents may be added that include the provisions of this hazard mitigation plan.

Regulatory and Enforcement

Local legislation is used to decrease future flooding risk and to mitigate other hazards. As discussed above, Lewisboro's code exceeds the NFIP minimum standards and is consistent with the State minimum standards. The Building Department is in charge of enforcing building codes and the NFIP regulations. Utilities are required to be placed underground in all new developments.

Chapter 189 of the Town code regulates drainage in the community. Drainage considerations are addressed prior to construction as part of the site plan review process. New developments must demonstrate the use of erosion controls prior to approval. Drainage complaints are typically routed to the Highway Department. The Highway Department conducts maintenance of Town drainage systems and clears bridges and culverts of debris to ensure proper conveyance of stormwater as needed, although with some limitations as discussed above. Town staff intermittently review the need to install new Town drainage systems or upsize existing Town drainage systems.

Operational and Administration

Many of the Town's critical facilities have generators. These include the three fire departments, the ambulance corps, the High School, Meadow Pond Elementary School, the Highway Department, and the Cyrus Russell Community House. The Town House (Municipal Building) also has a portable generator. The Town submitted an HMGP application for a permanent generator which was denied because there was no history of prior damage to the building.

The Town's Emergency Operations Center is the Town House. The High School recently completed \$50,000 in communication upgrades and the Town is working towards making this building the backup Emergency Operations Center. The Town is interested in pursuing funding for a mobile Emergency Operations Center that would allow supplies to be easily transported to affected areas. The Lewisboro Library is used as a temporary staging area and temporary shelter during storm events. While the library does not have a generator, renovations are underway which will allow the library to receive emergency power from the Highway Garage generator. The Town does not have an emergency notification system.

While the Town does not have a primary designated shelter, several facilities are used for temporary housing. The Town House, the three Fire Departments, the Lewisboro Library, and the Cyrus Russell Community House have all been used as temporary shelters in the past. During storm events, residents typically find shelter at one of these locations or at Founders Hall in Ridgefield, Connecticut. The Lewisboro Elementary School will be closing soon and there is interest in converting this building to a regional shelter.

The Highway Superintendent is in charge of tree trimming and oversees Town efforts and also encourages property owners to remove or trim dangerous trees. The Town performs significant tree maintenance on town-owned property and to the edge of pavement along older Town roads. The Town also maintains trees in rights-of-way along newer Town roads. Lewisboro staff encourage "power line friendly" tree plantings near power lines that will not grow to interfere with overhead utilities.

New York State Electric and Gas has improved its maintenance and trimming of trees near powerlines since Irene. Bedford, Pound Ridge, and Lewisboro are participating in a NYSEG pilot project for identifying and reporting power outages. If successful, the methodology may be able to reduce outage times in the future.

The Town's capability to plow snow and treat for ice is considered to be very good. The Town has 12 plowing trucks and also occasionally contract private companies to assist. The standard treatment for roadways is salt. There are no areas of concern related to drifting snow or icing, although the dirt roads are the most difficult to maintain during the winter.

Fiscal

The Town believes it has a moderate fiscal capability to enact hazard mitigation projects. Projects will be added to the capital improvement plan and funded as possible. Grant funding is believed necessary to cost-justify several capital projects listed in Section 9.11.6.

Education and Outreach

The Lewisboro Fire Departments provide regular educational programs to children and adults throughout the community. Many of these programs discuss mitigating the effects of natural hazards.

Lewisboro does not have the staff or resources to develop pamphlets and informational flyers for residents. Town staff believe that such pamphlets should be generated at the County level and distributed to residents by the respective municipalities. Lewisboro staff routinely distribute literature and pamphlets developed by

outside agencies regarding mitigating the effects of a variety of natural hazards. The information is distributed via public locations such as at the Town House, Community House, and schools.

All personnel involved in emergency management receive training to better respond to events involving natural hazards. Other first responders also receive training appropriate to their roles and responsibilities, including appropriate response procedures to respond to events involving hazardous materials. The Building Department staff continually attends training regarding building code updates. The State will adopt new building and fire codes in 2014. Other town employees also receive training appropriate to their roles and responsibilities.

9.11.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

The Town of Lewisboro has no prior mitigation strategy.

Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town of Lewisboro identified the following mitigation projects/activities that have been completed, are planned, or on-going within the municipality:

- The Town has recently paved a steeply-sloped portion of Boway Road which drains towards East Street. This has significantly reduced the erosion potential.
- A culvert on Cornwall Court was in very poor condition and needed replacement because failure was believed imminent. Failure of the culvert and overlying roadway would isolate six homes on the cul-de-sac. The culvert was replaced in 2014 while this plan was in development.

Proposed Hazard Mitigation Initiatives for the Plan Update

Table 9.11-12 identifies the municipality's updated local mitigation strategy. Some of these initiatives may be previous actions carried forward for this plan. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as 'High', 'Medium', or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number. Table 9.11-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.

Table 9.11-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TL-1	Obtain backup generators for the Golden's Bridge Community House and Onatru Farm House and outfit these buildings to be backup shelters	Existing	All Hazards	1,5	Super.	Low	High	HMA	DOF (Short)	High	SIP	ES
TL-2	Obtain portable generator for use at the Police Department	Existing	All Hazards	1,5	Super. / Police	Medium	Medium	HMA	DOF (Short)	High	SIP	ES
TL-3	Obtain the supplies and equipment necessary to outfit the high school as the backup EOC and the designated primary shelter	Existing	All Hazards	1,5	Super.	Low	High	N/A	DOF (Short)	High	SIP	ES
TL-4	Pursue funding to purchase a mobile EOC to allow supplies to be transported into affected areas	Existing	All Hazards	1,5	Super.	Low	Medium	N/A	DOF (Long)	Medium	SIP	ES
TL-5	Evaluate converting the Lewisboro Elementary School building into a regional shelter	Existing	All Hazards	1,5	Super.	Low	High	N/A	Short	Medium	SIP	ES
TL-6	Secure an emergency notification system to broadcast emergency information directly to residents	Existing	All Hazards	1	Super.	High	Medium	N/A	Short	High	SIP	ES
TL-7	Pursue funding to purchase equipment to assist with removing debris from blocked culverts.	Existing	Flooding / Wind	2	Super. / Highway	Medium	High	N/A	DOF (Short)	High	NSP	NR
TL-8	Pursue funding to replace culverts beneath Todd Road, Lake Kitchawan Drive, and Kitchawan Road	Existing	Flooding	2	Super. / Highway	Medium	High	HMA	DOF (Short)	High	SIP	SP
TL-9	Improve drainage along East Street and School House Road	Existing	Flooding	2	Super. / Highway	Low	High	HMA	DOF (Short)	Medium	SIP	SP
TL-10	Install stormwater management basin on vacant land on Main Street to accept runoff from Main Street and Salem Hill Road	Existing	Flooding	2	Super. / Highway	Medium	High	HMA	DOF (Short)	High	SIP	SP
TL-11	Pave portions of School House Road to prevent future washouts	Existing	Flooding	2	Super. / Highway	Medium	Medium	HMA	DOF (Short)	Medium	SIP	SP
TL-12	Evaluate potential projects to ensure egress is maintained to Golden's Bridge during severe flooding events	Existing	Flooding	1,3	Super.	Low	Low	N/A	Short	Low	EAP	PI
TL-13	Evaluate potential projects to reduce nuisance flooding caused	Existing	Flooding	2	Super. / Highway	Low	Low	N/A	Short	Low	EAP	PI

Table 9.11-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	by beavers along Todd Road, Sullivan Road, and Oscaneta Road											
TL-14	Increase the town tree trimming budget to expand on routine maintenance.	Existing	Wind / Ice	2	Town Board / Highway	Medium	Medium	N/A	Short	High	LPR	PR
TL-15	Pursue funding to replace the roof of the salt dome (off Route 35)	Existing	Snow / Ice	1	Super. / Highway	Low	Medium	N/A	DOF (Short)	Low	SIP	ES
TL-16	Pursue funding for a 30,000 gallon cistern to be installed off Cross Pond Road.	Existing	Wildfire	1	Super.	Medium	Medium	HMA	DOF (Short)	Medium	SIP	ES
TL-17	Provide ongoing outreach to the community regarding flood hazard risk and flood risk reduction	Existing	Flooding	3	Building Inspector	Low	Low	N/A	Short	Medium	EAP	PI
TL-18	Encourage Westchester County to perform wildfire mitigation activities within the Ward Pound Ridge Reservation	Existing	Wildfire	5	Super.	Low	Low	N/A	Short	Medium	NSP	NR
TL-19	Incorporate hazard mitigation plan information into Comprehensive Plan and Emergency Response Plan	Existing	All Hazards	3	Super.	Low	Low	N/A	Short / OG	Medium	EAP	PI
TL-20	Replace culvert beneath Elmwood Road	Existing	Flooding	2	Super.	Medium	High	HMA	DOF (Short)	Medium	SIP	PP
TL-21	Install a permanent diesel powered generator at the Town Hall.	Existing	All Hazards	1	Facilities	Low	Medium	HMA	DOF (Short)	High	SIP	ES
TL-22	Dredge and refurbish the settling pond east of Truesdale Pond on Boway Road	Existing	Flooding	2	Super.	Low	High	N/A	DOF (Short)	Low	SIP	PP
TL-23	Truesdale Lake dam repairs	Existing	Flooding	1,2,4	Super.	Medium	High	HMA	DOF (Short)	High	SIP	PP
TL-24	Install a 50kw back-up generator to power the Lewisboro Library.	Existing	All Hazards	1,5	Head Librarian	Low	Medium	HMA	DOF (Short)	Medium	SIP	ES

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:

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
OEM Office of Emergency Management

RFC Repetitive Flood Claims Grant Program
SRL Severe Repetitive Loss Grant Program

Potential FEMA HMA Funding Sources:

FMA Flood Mitigation Assistance Grant Program
HMGP Hazard Mitigation Grant Program
PDM Pre-Disaster Mitigation Grant Program

Timeline:

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

Costs:

Where actual project costs have been reasonably estimated:

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

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

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

Benefits:

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

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

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

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

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP)- These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities

Table 9.11-13. 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
TL-1*	Obtain backup generators for the Golden's Bridge Community House and Onatru Farm House and outfit these buildings to be backup shelters	1	-1	-1	1	1	1	-1	0	1	1	1	1	1	0	6	High
TL-2*	Obtain portable generator for use at the Police Department	0	-1	0	1	1	1	0	0	1	1	1	1	1	0	7	High
TL-3*	Obtain the supplies and equipment necessary to outfit the high school as the backup EOC and the designated primary shelter	1	-1	-1	1	1	1	-1	0	1	1	1	1	1	0	6	High
TL-4	Pursue funding to purchase a mobile EOC to allow supplies to be transported into affected areas	0	-1	-1	1	1	1	-1	0	1	1	1	0	1	0	4	Medium
TL-5	Evaluate converting the Lewisboro Elementary School building into a regional shelter	0	-1	-1	1	1	0	0	0	1	0	1	1	1	0	4	Medium
TL-6	Secure an emergency notification system to broadcast emergency information directly to residents	1	-1	1	1	0	1	0	0	1	1	1	1	0	0	7	High
TL-7	Pursue funding to purchase equipment to assist with removing debris from blocked culverts.	-1	1	-1	1	1	1	-1	1	1	1	0	1	1	1	7	High
TL-8*	Pursue funding to replace culverts beneath Todd Road, Lake Kitchawan Drive, and Kitchawan Road	0	1	-1	1	1	1	-1	1	0	1	-1	1	1	1	6	High
TL-9*	Improve drainage along East Street and School House Road	-1	1	-1	1	1	1	0	1	0	0	-1	1	1	1	5	Medium
TL-10*	Install stormwater management basin on vacant land on Main Street to accept runoff from Main Street and Salem Hill Road	0	1	-1	1	1	1	-1	1	1	0	-1	1	1	1	6	High
TL-11*	Pave portions of School House Road to prevent future washouts	1	1	0	1	0	1	0	1	0	1	-1	1	0	-1	5	Medium
TL-12	Evaluate potential projects to ensure egress is maintained to Golden's Bridge during severe flooding events	1	0	0	0	1	1	1	0	0	-1	-1	1	0	0	3	Low
TL-13	Evaluate potential projects to reduce nuisance flooding caused by beavers	-1	0	0	0	0	1	1	0	0	-1	-1	1	0	0	0	Low

Table 9.11-13. 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
	along Todd Road, Sullivan Road, and Osaleta Road																
TL-14	Increase the town tree trimming budget to expand on routine maintenance.	0	1	0	1	1	1	1	0	1	1	0	1	0	0	8	High
TL-15*	Pursue funding to replace the roof of the salt dome (off Route 35)	-1	0	-1	1	1	1	-1	0	1	1	-1	1	0	0	2	Low
TL-16*	Pursue funding for a 30,000 gallon cistern to be installed off Cross Pond Road.	1	0	0	1	0	1	-1	0	0	1	-1	1	1	0	4	Medium
TL-17	Provide ongoing outreach to the community regarding flood hazard risk and flood risk reduction	0	0	0	1	0	1	1	0	1	1	-1	1	-1	0	4	Medium
TL-18	Encourage Westchester County to perform wildfire mitigation activities within the Ward Pound Ridge Reservation	-1	-1	0	0	1	1	1	0	1	1	-1	1	0	1	4	Medium
TL-19	Incorporate hazard mitigation plan information into Comprehensive Plan and Emergency Response Plan	-1	-1	0	1	0	1	1	0	1	1	1	1	-1	0	4	Medium
TL-20*	Replace culvert beneath Elmwood Road	1	1	-1	1	1	1	-1	0	0	1	-1	0	1	0	4	Medium
TL-21*	Install a permanent diesel powered generator at the Town Hall.	1	0	-1	1	1	1	-1	0	1	1	1	1	1	0	7	High
TL-22*	Dredge and refurbish the settling pond east of Truesdale Pond on Boway Road	-1	0	-1	0	1	1	-1	0	-1	1	0	1	1	0	1	Low
TL-23*	Truesdale Lake dam repairs	1	1	-1	1	1	0	-1	1	1	1	0	1	1	0	7	High
TL-24*	Install a 50kw back-up generator to power the Lewisboro Library.	0	0	-1	1	1	0	-1	0	1	0	1	1	1	0	4	Medium

9.11.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.11.8 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Town of Lewisboro that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Town of Lewisboro has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.11.9 Additional Comments

None at this time.

Figure 9.11-1. Town of Lewisboro Hazard Area Extent and Location Map

Figure 9.11-2. Town of Lewisboro Hazard Area Extent and Location Map

DRAFT

Name of Jurisdiction:	Town of Lewisboro
Action Number:	TL-1
Action Name:	Obtain generators for Golden's Bridge Community House and Onatru Farm House and equip as shelters

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	The Town would like to utilize these buildings as shelters as the Town does not have an established primary shelter
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – continue to provide sheltering at dispersed locations – not preferred
	2.
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The Town will purchase and install generators and other shelter equipment to properly outfit the two facilities for use as shelters
Mitigation Action/Project Type	SIP
Objectives Met	1,5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low
Estimated Cost	High
Priority*	Low
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-1

Action Name:

Obtain generators for Golden's Bridge Community House and Onatru Farm House and equip as shelters

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Benefit to life safety by having established shelters
Property Protection	-1	No benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (champion is Supervisor)
Legal	1	Town-owned facilities
Fiscal	-1	Grant funding needed to implement project
Environmental	0	No significant environmental benefit or impact
Social	1	Benefits entire community
Administrative	1	Town can implement project
Multi-Hazard	1	All hazards
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	0	
Total	6	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro
Action Number: TL-2
Action Name: Obtain portable generator for Police Department

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	The Police Department does not have emergency power which is critical to effective functioning of the department during emergencies
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – Police functions are minimized during emergencies – not acceptable
	2.
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The Town will purchase a portable generator for use at the Police Department, as this building is rented and the owner will not allow a permanent installation.
Mitigation Action/Project Type	SIP
Objectives Met	1,5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-2

Action Name:

Obtain portable generator for Police Department

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	Improves Police Department functionality during outages, indirect benefit
Property Protection	-1	No benefit to property protection
Cost-Effectiveness	0	Estimated costs are equivalent to estimated benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (champion is Supervisor)
Legal	1	Rented facility but Town has permission to install portable generator hookup
Fiscal	0	Grant funding preferred but not necessary for project completion
Environmental	0	No significant environmental benefit or impact
Social	1	Benefits entire community
Administrative	1	Town can implement project
Multi-Hazard	1	All hazards
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	0	
Total	7	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro

Action Number: TL-3

Action Name: Outfit High School as backup EOC and primary shelter

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	The Town does not have a primary shelter. The John Jay High School is a good location but it does not have any supplies. The Town would also outfit this location to be a backup EOC to provide redundancy to emergency operations.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – Town continues to use disperse shelters and has no backup EOC – not preferred 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The Town will purchase a generator for use at the High School as well as the necessary supplies and equipment to outfit the building as a backup EOC / primary shelter for the community.
Mitigation Action/Project Type	SIP
Objectives Met	1,5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-3

Action Name:

Outfit High School as backup EOC and primary shelter

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Improves EOC redundancy and provides primary shelter for community
Property Protection	-1	No benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than estimated benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (champion is Supervisor)
Legal	1	Town facility although coordination with School Board required
Fiscal	-1	Grant funding necessary to complete project
Environmental	0	No significant environmental benefit or impact
Social	1	Benefits entire community
Administrative	1	Town can implement project
Multi-Hazard	1	All hazards
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	0	
Total	6	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction:	Town of Lewisboro, South Salem
Action Number:	TL-8, LOI #963
Action Name:	Todd Road, Lake Kitchawan Drive, and Kitchawan Road Culvert Replacements

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	<p>The culvert on Todd Road cannot handle the volume of flow from Lake Katonah during storms. 8-inch flooding depths occur in the vicinity of the culvert that deposit debris on nearby properties.</p> <p>The conveyance pipe beneath Lake Kitchawan Drive is undersized and cannot handle the volume of water during significant storms.</p> <p>The Mill River overwhelms conveyance pipes along Kitchawan Road and the pipes need to be upsized. The primary impact is flooding damage to the roadway.</p>
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<p>1. No action – flooding problems continue – not acceptable to Town</p> <p>2.</p> <p>3.</p>
Action/Project Intended for Implementation	
Description of Selected Action/Project	Each individual project will enlarge the existing culverts to accommodate and ensure the safe flow of the large volumes of water that result from severe rainstorms.
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium for each individual project
Estimated Cost	High for each individual project
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	<p>Date:</p> <p>Progress on Action/Project:</p>

* Refer to results of Prioritization (page 2)

Action Number:

TL-8, LOI #963

Action Name:

Todd Road, Lake Kitchawan Drive, and Kitchawan Road Culvert Replacements

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	Some benefit to life safety
Property Protection	1	Benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (letter of interest)
Legal	1	Town-owned roadway
Fiscal	-1	Grant funding needed to implement project
Environmental	1	Reduces erosion
Social	0	Does not benefit a significant number of properties
Administrative	1	Town can implement projects
Multi-Hazard	-1	Primarily a flooding issue
Timeline	1	Project can be completed in five years
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	1	This is a high priority project for the Town
Total	6	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction:	Town of Lewisboro
Action Number:	TL-9
Action Name:	Improve drainage along East Street and School House Road

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Severe storms since 2007 have repetively damaged a section of East Street, eroding gravel and fine stone from the road into nearby watercoursees and waterbodies. Significant storms have repeatedly damaged School House Road and the driveways to two to three residential properties.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – flooding problems continue – not acceptable to Town 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Each individual project will include drainage improvements to reduce the vulnerability of the road to erosion and protect nearby properties
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low for each individual project
Estimated Cost	High for each individual project
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-9

Action Name:

Improve drainage along East Street and School House Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	-1	Not a direct life safety issue
Property Protection	1	Benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (letter of interest)
Legal	1	Town-owned roadway
Fiscal	0	Grant funding preferred
Environmental	1	Reduces erosion impacts
Social	0	Does not benefit a significant number of properties
Administrative	0	Outside assistance may be needed
Multi-Hazard	-1	Primarily a drainage issue
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	1	This is a priority project for the Town
Total	5	
Priority (High/Med/Low)	Medium	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro
Action Number: TL-10
Action Name: Install stormwater basin on Main Street

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	The Post Office on Main Street experiences routine flooding due to poor drainage in the area.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – flooding problems continue – not acceptable 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	A stormwater management basin is proposed on vacant land on Main Street north of the Post Office to accept stormwater runoff from Main Street and Salem Hill Road.
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-10

Action Name:

Install stormwater basin on Main Street

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	Not a direct life safety issue
Property Protection	1	Benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (Supervisor)
Legal	1	Town would purchase land
Fiscal	-1	Grant funding necessary to complete project
Environmental	1	Vacant land will remain undeveloped
Social	1	Post office is important building in community
Administrative	0	Outside assistance may be needed
Multi-Hazard	-1	Primarily a drainage issue
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	1	
Total	6	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro

Action Number: TL-11

Action Name: Pave portions of School House Road to prevent washouts

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	School House Road is a dirt road and sections are prone to washouts during flooding events
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – washouts continue requiring repairs by Town – not preferred
	2.
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Targeted sections of this dirt road would be paved to minimize erosion during heavy rain and flooding.
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-11

Action Name:

Pave portions of School House Road to prevent washouts

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Washouts create dangerous situations for motorists
Property Protection	1	Benefit to infrastructure
Cost-Effectiveness	0	Estimated costs are equivalent to benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	0	Political will to implement project (Supervisor) but requires Town Board approval
Legal	1	Town owned roads
Fiscal	0	Grant funding preferred but not necessary to complete project
Environmental	1	Paving will prevent future washouts of dirt and stone into downstream areas
Social	0	These roads are significantly utilized in their neighborhoods
Administrative	1	Town can administrate project
Multi-Hazard	-1	Primarily a drainage issue
Timeline	1	Short duration preferred
Agency Champion	0	The Supervisor is a champion of this effort but does not have final say
Other Community Objectives	-1	Community does not usually prefer paving dirt roads
Total	5	
Priority (High/Med/Low)	Medium	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro
Action Number: TL-15
Action Name: Pursue funding to replace roof of salt dome

Assessing the Risk	
Hazard(s) addressed:	Snow/Ice
Specific problem being mitigated:	The salt dome roof is past its useful life. This facility holds the salt mix utilized by the Town to treat roadways during the winter.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – roof deteriorates and leaks – environmental concern
	2.
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	A new roof will be installed on the salt dome
Mitigation Action/Project Type	SIP
Objectives Met	1
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low
Estimated Cost	Medium
Priority*	Low
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	Local
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-15

Action Name:

Pursue funding to replace roof of salt dome

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	-1	Not a direct life safety issue
Property Protection	0	No significant benefit or impact to property protection
Cost-Effectiveness	-1	Estimated costs are greater than estimated benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (Supervisor)
Legal	1	Town owned facility
Fiscal	-1	Grant funding needed to complete project in a timely manner but not available from FEMA
Environmental	0	Avoidance of future damages
Social	1	Long-term benefit to entire community
Administrative	1	Town can administrate project
Multi-Hazard	-1	Primarily a precipitation issue
Timeline	1	Short duration preferred
Agency Champion	0	The Highway Department may champion this effort
Other Community Objectives	0	
Total	2	
Priority (High/Med/Low)	Low	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro
Action Number: TL-16
Action Name: Install 30,000-gallon cistern off Cross Pond Road

Assessing the Risk	
Hazard(s) addressed:	Wildfire
Specific problem being mitigated:	Fire protection water is not immediately available on Cross Pond Road. Water must be brought in by fire tankers or drawn from nearby watercourses / waterbodies.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – fire protection water will be limited – not preferred 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	A 30,000-gallon underground cistern will be installed off Cross Pond Road. The estimated cost of this project is \$85,000 to \$100,000.
Mitigation Action/Project Type	SIP
Objectives Met	1
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMA, Local
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-16

Action Name:

Install 30,000-gallon cistern off Cross Pond Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Neighborhood benefit to life safety
Property Protection	0	Long-term benefit to property protection but not used frequently
Cost-Effectiveness	0	Estimated costs are equivalent to estimated benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	0	Political will to implement project (Supervisor) but not a priority
Legal	1	Town owned easements available for installation
Fiscal	-1	Grant funding necessary to complete project
Environmental	0	No significant benefit or impact
Social	0	Long-term benefit to one neighborhood
Administrative	1	Town can administrate project
Multi-Hazard	-1	Primarily a wildfire issue
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion for this effort
Other Community Objectives	0	
Total	4	
Priority (High/Med/Low)	Medium	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro, South Salem
Action Number: TL-8, LOI #963
Action Name: Elmwood Road Culvert Replacement

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	The culvert on Elmwood Road near the intersection with Wakeman Road is overwhelmed during severe rainstorms leading to flooding, damage to the section of Elmwood Road located above the culvert, and property destruction to surrounding properties.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – flooding problems continue and at least one home remains at risk – not acceptable to Town 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The project will enlarge the existing culvert to accommodate and ensure the safe flow of the large volumes of water that result from severe rainstorms. The costs of the project include \$30,000 for the culvert, \$7,000 for replacing guardrail above the culvert, and other associated site costs.
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this project will be added to the Supervisor's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-20, LOI #963

Action Name:

Elmwood Road Culvert Replacement

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Contributes to homes affected by flooding
Property Protection	1	Benefit to property protection
Cost-Effectiveness	-1	Estimated costs are greater than benefits
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (letter of interest)
Legal	1	Town-owned roadway
Fiscal	-1	Grant funding needed to implement project
Environmental	0	No significant environmental benefit or impact
Social	0	Does not benefit a significant number of properties
Administrative	1	Town can implement projects
Multi-Hazard	-1	Primarily a flooding issue
Timeline	0	Project may not be able to be completed in five years
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	0	
Total	4	
Priority (High/Med/Low)	Medium	Relative to other projects for Lewisboro

Name of Jurisdiction: Town of Lewisboro, South Salem
Action Number: TL-21; LOI #2191
Action Name: Lewisboro Town Hall Generator

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Our Town Hall currently has no permanent back-up power supply. This critical facility has served as our Emergency Operations Center, Food and drinking water distribution center, Community warming and cooling station, community shower, and has housed emergency personnel overnight.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – no emergency power for emergency services – not preferred
	2.
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Installing a permanent diesel powered generator at this critical facility would keep it functioning reliably during public emergencies.
Mitigation Action/Project Type	SIP
Objectives Met	1
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low, benefits difficult to quantify
Estimated Cost	\$30,000 (Medium)
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Joel Smith, Facilities Maintenance Manager
Local Planning Mechanism	The administration of this action will be added to the Facilities workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short duration preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-21; LOI #2191

Action Name:

Lewisboro Town Hall Generator

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Direct benefit for emergency services
Property Protection	0	No benefit or impact to property protection
Cost-Effectiveness	-1	Estimated benefits less than costs; benefits difficult to quantify
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will to implement project (letter of interest)
Legal	1	Town owns building and land
Fiscal	-1	Grant funding necessary to implement project
Environmental	0	No significant environmental benefit or impact
Social	1	Benefit to entire community
Administrative	1	Town can administer project
Multi-Hazard	1	Benefit for all hazards
Timeline	1	Short duration preferred
Agency Champion	1	The Facilities Manager has is the champion for this project
Other Community Objectives	0	
Total	7	
Priority (High/Med/Low)	High	Relative to other actions for Lewisboro

Name of Jurisdiction: Town of Lewisboro, South Salem
Action Number: TL-22; LOI #970
Action Name: Truesdale Settling Pond - Boway Rd.

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	The settling pond to the east of Truesdale Lake has been inundated with sedimentation from stormwater runoff and is no longer capable of handling large volumes of water from severe rainstorms which negatively impacts the adjacent Boway Road.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – settling pond eventually provides zero benefit – not acceptable 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The project will dredge and refurbish the settling pond so that it can properly function and accommodate increased water flows.
Mitigation Action/Project Type	SIP
Objectives Met	2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Recent Damages: \$0 (Low)
Estimated Cost	\$300,000 (High)
Priority*	
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this activity will be added to the Supervisor's workplan
Potential Funding Sources	Local
Timeline for Completion	DOF (Short)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-22; LOI #970

Action Name:

Truesdale Settling Pond - Boway Rd.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	-1	Not feasible
Property Protection	0	Losses primarily to nearby roadway
Cost-Effectiveness	-1	Estimated costs are greater than estimated benefits
Technical	0	Project is technically feasible but not a long-term solution (essentially maintenance)
Political	1	Political will to implement project (letter of interest)
Legal	1	Town has ownership / easement of settling pond
Fiscal	-1	FEMA does not provide grants dredging as it typically considers this a maintenance activity
Environmental	0	No significant benefit or impact
Social	-1	Benefits only a small area
Administrative	1	Town can administrate project
Multi-Hazard	0	Flooding only
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this project
Other Community Objectives	0	
Total	1	
Priority (High/Med/Low)	Low	Relative to other actions for Lewisboro

Name of Jurisdiction: Town of Lewisboro, South Salem
Action Number: TL-23; LOI #965
Action Name: Truesdale Lake Dam

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	There is a dam at the north end of Truesdale Lake that supports Indian Lane located above the dam and is a critical roadway and point of travel for those homeowners in the neighborhood. The structure has been negatively impacted by severe weather and requires repairs.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – dam may deteriorate further and potentially fail – not acceptable 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	This project will provide significant and needed repair to the dam to continue to support the roadway above, keep the water in the lake, and prevent a failure that would cause the water to damage properties located downstream.
Mitigation Action/Project Type	SIP
Objectives Met	1,2,4
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Difficult to quantify – estimated medium
Estimated Cost	\$300,000 (High)
Priority*	High
Plan for Implementation	
Responsible Organization	Town of Lewisboro, Peter Parsons, Supervisor
Local Planning Mechanism	The administration of this action will be added to the Supervisor's workplan
Potential Funding Sources	HMGP, Local Match
Timeline for Completion	DOF (Short)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number: TL-23; LOI #965
Action Name: Truesdale Lake Dam

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Damaged state increases risk of dam failure that could affect downstream properties
Property Protection	1	Damaged state increases risk of dam failure that could affect downstream properties
Cost-Effectiveness	-1	Estimated benefits lower than estimated costs; benefits difficult to quantify
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will for this project (letter of interest)
Legal	0	Ownership of dam assumed to be Town but some work may be needed on private property
Fiscal	-1	Grant funding necessary for this work
Environmental	1	Dam failure would severely damage lake habitat as well as downstream riparian and wetland habitats
Social	1	Significant use of the road and downstream area will benefit
Administrative	1	Town can administrate the project
Multi-Hazard	0	Flooding only
Timeline	1	Short duration preferred
Agency Champion	1	The Supervisor is a champion of this effort
Other Community Objectives	0	
Total	7	
Priority (High/Med/Low)	High	Relative to other projects for Lewisboro

Name of Jurisdiction: Lewisboro Library, South Salem

Action Number: TL-24, LOI #2327

Action Name: Library Back-up Generator 50kw

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	The generator would hopefully ensure continual uninterrupted services for the Lewisboro Library and provide a facility for public support and outreach during periods of extended power outages.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. No action – library closed during power outages – not preferred 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	We propose to install a 50kw back-up generator to power all electrical outlets, half the lights and one ac unit and the furnace for our Lewisboro Library. This will enable the library to continue to act as a public service provider during emergencies, offering such amenities as a warming/charging station.
Mitigation Action/Project Type	SIP
Objectives Met	1,5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Low
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Lewisboro Library, Cynthia Rubino, Head Librarian, Lewisboro Library
Local Planning Mechanism	The administration of this action will be added to the Head Librarian's workplan
Potential Funding Sources	HMGP; Local Match
Timeline for Completion	DOF (Short preferred)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)

Action Number:

TL-24, LOI #2327

Action Name:

Library Back-up Generator 50kw

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	Minor benefit to life safety (warming station, programs)
Property Protection	0	No benefit or impact to property protection
Cost-Effectiveness	-1	Estimated costs greater than benefits; benefits difficult to quantify
Technical	1	Project is technically feasible and is a long-term solution
Political	1	Political will exists to implement project (letter of interest)
Legal	0	Library controlled by Board of Trustees and is not under direct Town control
Fiscal	-1	Grant funding necessary to enact project
Environmental	0	No significant environmental benefit or impact
Social	1	Benefit to entire community
Administrative	0	Town can implement project but needs to heavily coordinate with library
Multi-Hazard	1	Benefit to all hazards
Timeline	1	Short duration preferred
Agency Champion	1	The Head Librarian has championed this project
Other Community Objectives	0	
Total	4	
Priority (High/Med/Low)	Medium	Relative to other projects identified for Lewisboro

ⁱ http://en.wikipedia.org/wiki/Lewisboro,_New_Yorkⁱⁱ <http://www.lewisborogov.com/planningboard/page/master-plan>ⁱⁱⁱ <http://www.lewisborogov.com/townboard>^{iv} https://s3-us-gov-west-1.amazonaws.com/dam-production/uploads/1398878892102-5cbcaa727a635327277d834491210fec/CRS_Communities_May_1_2014.pdf^v <http://www.stormready.noaa.gov/com-maps/ny-com.htm>^{vi} http://submissions.nfpa.org/firewise/fw_communities_list.php