



## 9.13 TOWN OF LIMA

This section presents the jurisdictional annex for the Town of Lima. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the Town of Lima and who in the Town participated in the planning process; an assessment of the Town of Lima’s risk and vulnerability; the different capabilities utilized in the Town; and an action plan that will be implemented to achieve a more resilient community.

### 9.13.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Town of Lima’s hazard mitigation plan primary and alternate points of contact. The Town of Lima followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Town departments, including: Town Supervisor, Town Clerk, and Code Enforcement. The Town Supervisor represented the community on the Livingston County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

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

**Table 9.13-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Michael J. Falk, Town Supervisor Address: 7329 East Main St., Lima, NY 14485 Phone Number: 585-582-1130 Email: supervisor@townoflima.org	Name/Title: Jenifer Heim, Town Clerk Address: 7329 East Main St., Lima, NY 14485 Phone Number: 585-582-1130 Email: clerk@townoflima.org
NFIP Floodplain Administrator	
Name/Title: Charlie Floeser, Code Enforcement Officer Address: 7329 East Main St., Lima, NY 14485 Phone Number: 585-624-7911 Email: codes@townoflima.org	

### 9.13.2 Municipal Profile

According to the U.S. Census Bureau, the Town has an area of 32.3 square miles, 31.9 square miles land and 0.04 square mile water. The Town of Lima shares a border with the Towns of Avon, Livonia, Mendon, Richmond, Rush, West Bloomfield, and shares a border with the County of Monroe.

According to the U.S. Census, the 2020 population for the Town of Lima was 2,060, a 4.9 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 5.27 percent of the population is 5 years of age or younger and 16.1 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.





### 9.13.3 Jurisdictional Capability Assessment and Integration

The Town of Lima performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 6 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

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

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.13.3). The Town of Lima’s identified opportunities for integration of mitigation concepts to be incorporated into municipal procedures are included in the updated mitigation strategy.

#### Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Lima. Section 6 (Capability Assessment) provides an overview of the planning, legal and regulatory capabilities. The following table summarizes what is present in the jurisdiction and discusses if the mechanisms have been or could be leveraged to reduce risk.

**Table 9.13-2. Planning, Legal, and Regulatory Capability**

	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Codes, Ordinances, &amp; Regulations</b>					
<b>Building Code</b>	Yes	Yes	11/06/1997	State and Local	Building
<i>How does this reduce risk?</i> Requires plan review so that developers must minimize risks and hazards.					
<b>Zoning/Land Use Code</b>	Yes	No	Chapter 250 (Zoning) 11/06/1997	Local	Zoning Board of Appeals
<i>How does this reduce risk?</i> This chapter was adopted to protect and promote public health, safety, convenience, order, aesthetics, prosperity and general welfare of the Town of Lima and to implement the Comprehensive Plan of the Town. This chapter regulates the location, construction, alteration and use of buildings and structures and the development and use of land within the Town of Lima and, for said purposes, divides the Town into the zoning districts.					
<b>Subdivision Ordinance</b>	Yes	No	Chapter 220 (Subdivision of Land) 11/06/1997	Local	Planning Board
<i>How does this reduce risk?</i> It is the policy of the Planning Board to consider land and subdivision plats as part of a plan for the orderly, efficient and economical development of the Town. This means, among other things, that the Planning Board shall assure that land to be subdivided shall be of such character that it can be used safely for building purposes without damage to the environment or to health or peril from fire, flood or other menace and shall assure that proper provisions shall be made for drainage, water supply, sewage and other needed improvements.					
<b>Site Plan Ordinance</b>	Yes	No	Chapter 250 (Zoning), Article 15 - 11/06/1997	Local and County	Planning Board
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
The site plan review process recognizes that some uses generally suitable for location in a particular district are nevertheless capable of adversely affecting the goals of this chapter. Characteristics such as size, complexity or indicia of extraordinary impact upon the surrounding neighborhood, therefore, require that careful consideration is given to critical site design elements.					
<b>Stormwater Management Ordinance</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Post-Disaster Recovery/ Reconstruction Ordinance</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Real Estate Disclosure</b>	Yes	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
<i>How does this reduce risk?</i>					
<ul style="list-style-type: none"> <li>In addition to facing potential liability for failing to disclose under the exceptions to “caveat emptor,” a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.</li> </ul>					
<b>Growth Management</b>	Yes	No	See Zoning Article 250	Local	Building Inspector
<i>How does this reduce risk?</i>					
<b>Environmental Protection Ordinance</b>	Yes	Yes	06/10/1990 Solid Waste Management	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Flood Damage Prevention Ordinance</b>	Yes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Chapter 115 (Flood Damage Prevention) – 11/6/1997	Federal, State, County and Local	Code Enforcement Officer
<i>How does this reduce risk?</i>					
Promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specific areas; requires new construction and substantial improvements in the SFHA to have their first floor elevated to or above the BFE.					
<b>Wellhead Protection</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Emergency Management Ordinance</b>	Yes	Yes	2005 Village	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Climate Change Ordinance</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Other</b>	No	-	-	-	-
<b>Planning Documents</b>					
<b>Comprehensive Plan</b>	Yes	No	March 2008	Local	Planning Board
<i>How does this reduce risk?</i>					
In this plan, attention was given to: agriculture, Lima's largest industry; to recreation, parks and open space; to the efficient use of community infrastructure; and to business development downtown and elsewhere. Particular attention was paid to the input gathered from the 674 residents who responded to an eight-page survey in 2002, the 1,404 respondents to the survey undertaken in 2006, and comments made at public meetings. The result of these efforts is a Comprehensive Plan that will provide direction to the Town and Village as the community faces development pressures in the near future.					
<b>Capital Improvement Plan</b>	Yes	No	-	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Disaster Debris Management Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Floodplain Management or Watershed Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Stormwater Management Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Open Space Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Urban Water Management Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Habitat Conservation Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Economic Development Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Shoreline Management Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Community Wildfire Protection Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Community Forest Management Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Transportation Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Agriculture Plan</b>	Yes	No	2010	Local	Agricultural Committee, Planning Board
<i>How does this reduce risk?</i> Provides an outline to plan for future growth and development while protecting agricultural land in the town. It also includes details on adopting land use regulations that recognizes the importance of agriculture in the town.					
<b>Climate Action/ Resiliency/Sustainability Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Tourism Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Business/ Downtown Development Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Other</b>	No	-	-	-	-
<b>Response/Recovery Planning</b>					
<b>Emergency Operations Plan</b>	Yes	Yes	-	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Strategic Recovery Planning Report</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Post-Disaster Recovery Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Continuity of Operations Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Public Health Plan</b>	No	-	-	-	-
<i>How does this reduce risk?</i>					
<b>Other</b>	No	-	-	-	-

### Development and Permitting Capability

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

**Table 9.13-3. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> <li>If yes, what department is responsible?</li> <li>If no, what is your process for development?</li> </ul>	Yes	Code Enforcement, Planning Board
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	-
Do you have a buildable land inventory? <ul style="list-style-type: none"> <li>If yes, describe.</li> <li>If no, quantitatively describe the level of buildout in the jurisdiction.</li> </ul>	No	Buildout outside of the Village is sparse, 2.5 acre minimum lot size, most dense is the hamlet of South Lima

### Administrative and Technical Capability

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

**Table 9.13-4. Administrative and Technical Capabilities**

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
<b>Administrative Capability</b>		
Planning Board	Yes	Lima Planning Board
Zoning Board of Adjustments	Yes	Lima Zoning Board of Appeals
Planning Department	Yes	County
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	Town Highway Department serves the community by providing road maintenance and plowing, signage for Town roads, drainage ditch maintenance, tree and brush cutting within the Town’s right-of-way and water service in the Town’s established water districts. The department is managed by the Highway Superintendent who is elected for





Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
		a four year term. The Highway Superintendent and four crew members maintain 38.69 miles of Town roads and provide road services for Livingston County and New York State under contractual arrangements.
Construction/Building/Code Enforcement Department	Yes	Code Enforcement Office
Emergency Management/Public Safety Department	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Road maintenance and plowing, signage for Town roads, drainage ditch maintenance, tree and brush cutting within the Town's right-of-way and water service
Mutual aid agreements	Yes	Between highway departments
Human Resources Manual	Yes	-
Other	Yes	Agricultural Advisory Committee Historic Preservation Committee
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	CPL
Engineers or professionals trained in building or infrastructure construction practices	Yes	CPL
Planners or engineers with an understanding of natural hazards	Yes	CPL
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	No	-
Grant writer(s)	No	-
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

### Fiscal Capability

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

**Table 9.13-5. Fiscal Capabilities**

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	No
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	No



Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Stormwater utility fee	No
Incur debt through general obligation bonds	No
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	No
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

### Education and Outreach Capability

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

**Table 9.13-6. Education and Outreach Capabilities**

Outreach Resources	Available? (Yes/No)	Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? If yes, please describe.
Public information officer or communications office	No	-
Personnel skilled or trained in website development	No	-
Is hazard mitigation information available on your website?	No	-
Social media for hazard mitigation education and outreach	No	-
Citizen boards or commissions that address issues related to hazard mitigation	No	-
Other programs already in place that could be used to communicate hazard-related information	No	-
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Fire Siren Village
Natural disaster/safety programs in place for schools	Yes	Lima Primary School, Lima Christian School, Elim Bible Institute
Other	No	-

### Community Classifications

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

**Table 9.13-7. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	NP	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	NP	N/A	N/A
Public Protection (ISO Fire Protection Classes 1 to 10)	NP	N/A	N/A





Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
NYSDEC Climate Smart Community	NP	N/A	N/A
StormReady Certification	NP	N/A	N/A
Firewise Communities classification	NP	N/A	N/A
Other	NP	N/A	N/A

Note:

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

### Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.

**Table 9.13-8. Adaptive Capacity**

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Drought	Moderate
Earthquake	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Invasive Species	Moderate
Landslide	Moderate
Mine Subsidence	Moderate
Pandemic	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Wildfire	Moderate
Terrorism	Moderate
Utility Failure	Moderate

\*Strong Capacity exists and is in use

Moderate Capacity may exist; but is not used or could use some improvement

Weak Capacity does not exist or could use substantial improvement

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

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.



Table 9.13-9. NFIP Summary

Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Lima	3	2	\$0.00	N/A	N/A	2
NFIP Topic			Comments			
Flood Vulnerability Summary						
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> <li>Do you maintain a list of properties that have been damaged by flooding?</li> </ul>			No, None			
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> <li>How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?</li> </ul>			Not in the Building dept.			
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what projects are underway.</li> </ul>			Not that I am aware of			
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> <li>How many were declared for recent flood events in your jurisdiction?</li> </ul>			Only if building is damaged			
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> <li>If there are mitigation properties, how were the projects funded?</li> </ul>			None			
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If not, state why.</li> </ul>			Yes			
NFIP Compliance						
What local department is responsible for floodplain management?			Building Department			
Are any certified floodplain managers on staff in your jurisdiction?			No			
Do you have access to resources to determine possible future flooding conditions from climate change?			No			
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>			Yes			
Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability)			None			
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?			If over 50% of it has been damaged			
What are the barriers to running an effective NFIP program in the community, if any?			Unknown			
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> <li>If so, state the violations.</li> </ul>			Unknown			
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?			Unknown			
What is the local law number or municipal code of your flood damage prevention ordinance?			Chapter 115, March 1, 2012			



Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Lima	3	2	\$0.00	N/A	N/A	2
NFIP Topic			Comments			
What is the date that your flood damage prevention ordinance was last amended?						
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?			Unknown			
Are there other local ordinances, plans or programs (e.g. site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?			Only that a building cannot be greater than 35 ft in height			
Does your jurisdiction participate in CRS? • If yes, is your jurisdiction interested in improving its CRS Classification? • If no, is your jurisdiction interested in joining the CRS program?			Unknown			

Source: FEMA - Q3 Data; Livingston County HMP 2014

Notes:

RL Repetitive Loss; SRL Severe Repetitive Loss

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

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

#### Evacuation Routes

- NYS Routes 15A, 5 and/or U.S. Route 20

#### Sheltering

The Town identified the following as potential shelter locations:

- Elim Bible Institute - 7245 College St.
- St. Rose Church - 1985 Lake Ave
- Lima Farms - 7042 West Main St.

#### Temporary Housing

The Town of Lima has not identified sites for the placement of temporary housing for residents displaced by a disaster or potential sites suitable for relocating structures out of the floodplain and/or building new homes once properties in the floodplain are acquired. In the event temporary housing is needed, the Town will work with the County to find suitable locations.

#### Permanent Housing

The Town of Lima has not identified sites for the placement of temporary housing for residents displaced by a disaster or potential sites suitable for relocating structures out of the floodplain and/or building new homes once





properties in the floodplain are acquired. In the event temporary housing is needed, the Town will work with the County to find suitable locations.

### 9.13.6 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.13-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. New and proposed development in the Town are not expected to impact vulnerability.

**Table 9.13-10. Recent and Expected Future Development**

Type of Development	2015		2016		2017		2018		2019		2020		2021	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>														
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	10	0	1	0	1	0	1	0	4	0	2	0	1	0
Multi-Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	0	0	0	0	2	0	0	0	1	0	0	0
<b>Total Permits Issued</b>	10	0	1	0	1	0	3	0	4	0	3	0	1	0
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development						
<b>Recent Major Development and Infrastructure from 2015 to Present</b>														
None identified														
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>														
None identified														

SFHA Special Flood Hazard Area (1% flood event)

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

### 9.13.7 Jurisdictional Risk Assessment

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

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



Figure 9.13-1. Town of Lima Flood and Mine Subsidence Hazard Areas

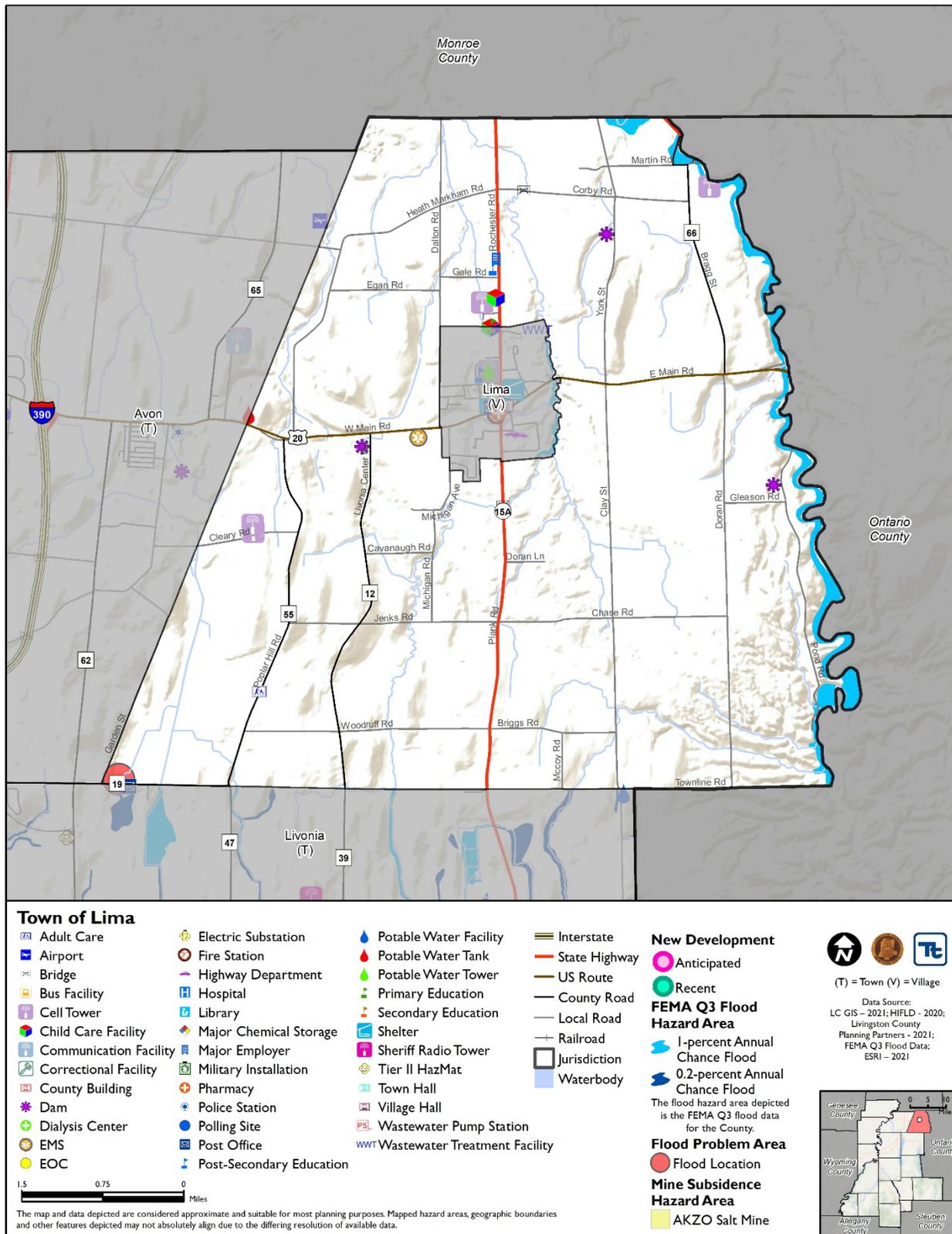




Figure 9.13-2. Town of Lima Hazmat and Wildfire Hazard Areas

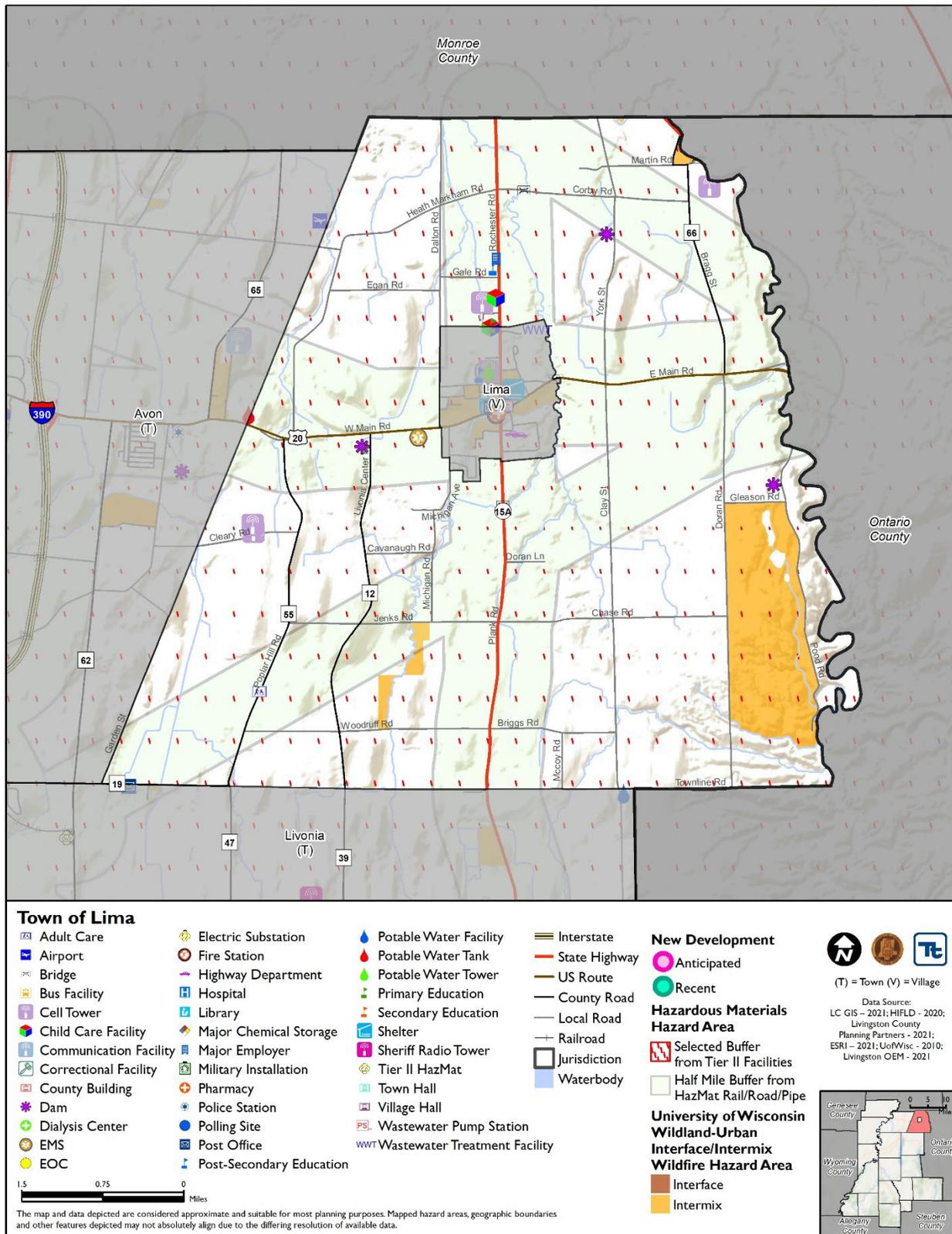
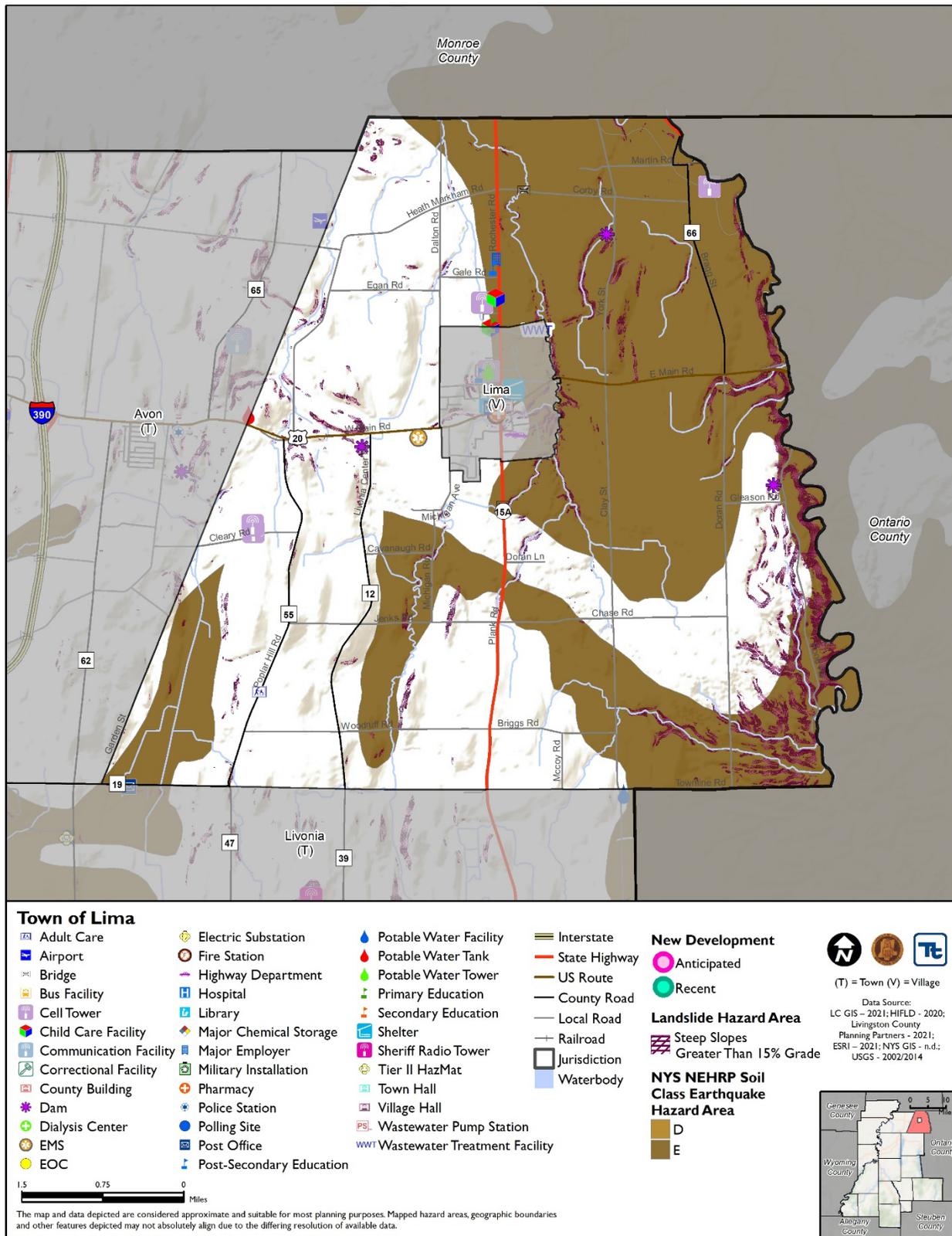




Figure 9.13-3. Town of Lima Earthquake and Landslide Hazard Areas





### Hazard Event History

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

The Town of Lima’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Livingston County. Table 9.13-11 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.13-11. Hazard Event History**

Dates of Event	Event Type (Disaster Declaration if applicable)	Emergency Declaration?	Municipal Summary of Damages and Losses
2020 & 2021	COVID 19 Pandemic	DR 3434 and 4480	Negative social, health, and economic impacts such as population loss, resident infections, resident deaths, mandatory business closures, school closings, decreases in the local labor market, and household supply shortages

Notes:

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

### Hazard Ranking and Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Town of Lima’s risk assessment results and data used to determine the hazard ranking.

#### Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Livingston County as a whole. Therefore, each Town of Lima ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Lima. The Town of Lima has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Town agreed with the calculated rankings.





**Table 9.13-12. Hazard Ranking Input**

<b>Drought</b>	<b>Earthquake</b>	<b>Flood</b>	<b>Hazardous Materials</b>	<b>Invasive Species</b>	<b>Landslide</b>	<b>Mine Subsidence</b>
Low	High	Low	High	Medium	Low	Low
<b>Pandemic</b>	<b>Severe Storm</b>	<b>Severe Winter Storm</b>	<b>Wildfire</b>	<b>Terrorism</b>	<b>Utility Failure</b>	
Medium	High	Medium	Low	Low	High	

Note: The scale is based on the hazard rankings established in Section 5.3 and modified as appropriate during review by the jurisdiction

**Critical Facilities**

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

**Table 9.13-13. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Potential Loss from 1% Flood Event		Complies with NYS Standards	Addressed by Proposed Action
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage		
No facilities in the floodplain							

Source: Livingston County Planning Partners 2021; HIFLD 2020

**Identified Issues**

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

- Power loss at critical facilities
- Town Hall needs a new backup generator
- Town and Village records are stored in the basement of town hall and susceptible to damages
- Need to improve public outreach efforts

**9.13.8 Mitigation Strategy and Prioritization**

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

**Past Mitigation Initiative Status**

The following table indicates progress on the community’s mitigation strategy identified in the 2015 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.





Table 9.13-14. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TLi-1	Conduct a Town Comprehensive Plan Update.	All	None provided in the 2015 HMP	Town Planning Board	In Progress	1. 2. 3.	1. 2. 3.
TLi-2	Coordinate rescue crews with road repair crews, clear away obstacles and debris, de-ice, snowplow, to ensure timely/safe access.	Flood, Winter Storm, Severe Storm	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-3	Improve countywide communication network.	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-4	Set up a clear chain of command for disaster response.	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-5	Encourage FEMA to update its FIRMs	Flood	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-6	Provide backup power generators for town/village halls	All	None provided in the 2015 HMP	Town Highway Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-7	Provide backup power generators for local police/fire stations	All	None provided in the 2015 HMP	Town Highway Department	Complete	1. \$35,000 2. 15 years	1. 2. 3.





Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						3. Continuity of operations during outages	
TLi-8	Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields.	Flood, Severe Storm	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-9	Conduct a hydrilla management analysis to determine whether chemical treatments or the introduction of grass carp would be a more effective control measure.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-10	Implement hydrilla control measures to prevent the further spread of the invasive species and to eventually reduce its impact on the County's water systems.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county initiative; therefore, it will not be included in the Town's mitigation strategy
TLi-11	Support the mitigation of vulnerable structures via retrofit (e.g., elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable.	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Town Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-12	Assess and prioritize feasible non-structural flood hazard mitigation alternatives for at-risk properties in the floodplain (including those that have been identified as repetitive loss) such as acquisition/relocation, or elevation. The parameters for feasibility for this initiative would include the following: funding, benefits versus costs, and willing participation of property owners.	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Town Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	Implement as funding becomes available.						
TLi-13	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance.	All Hazards	None provided in the 2015 HMP	Town Supervisor's Office	No Progress	1. 2. 3.	1. Include in 2022 HMP 2. Adapt an existing plan to the township and publicize 3. -
TLi-14	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g., regulating all new and substantially improved construction in special-hazard flood areas), floodplain identification and mapping, and flood insurance outreach to the community. Further meet or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified in subsequent initiatives.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-15	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1).	All Hazards	None provided in the 2015 HMP	County Departments	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-16	Begin the process to promote or adopt higher regulatory and zoning standards to manage flood and other hazard risks.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-17	Develop and implement a post-event damage assessment program.	Flood; Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. -



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
							3. This is an ongoing capability for the Town and completed as needed
TLi-18	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshops if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated. See following related Community Assistance Visit (CAV) initiative.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-19	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-20	Designate an NFIP Floodplain Administrator (FPA), and other local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis (BCA) and Substantial Damage Estimation (SDE).	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-21	Develop and maintain mapping of all natural hazard risk areas in the Town, FEMA-delineated or otherwise, to support land use decision making (e.g., Planning Board, site plan review process).	Flood, Wildfire	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TLi-22	Work with County and power companies to identify roads within the Town considered “critical” would be the first priority for clearing after an event involving downed power lines.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-23	Enhance or expand tree maintenance program and coordinate with utility companies.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed
TLi-24	Work with utility companies and developers to bury utility lines underground, wherever possible.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability for the Town and completed as needed



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

Other than what is in the table above, the Town of Lima did not complete any additional mitigation projects/activities since the 2015 HMP.

### Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Lima participated in a mitigation action workshop in September 2021 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

The table below indicates the range of proposed mitigation action categories.

Table 9.13-15. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Drought	X	X		X		X	X			X
Earthquake	X	X		X		X	X			X
Flood	X	X		X	X	X	X		X	X
Hazardous Materials	X	X		X		X	X			X
Invasive Species	X	X		X		X	X			X
Landslide	X	X		X		X	X			X
Mine Subsidence	X	X		X		X	X			X
Pandemic	X	X		X		X	X			X
Severe Storm	X	X		X		X	X			X
Severe Winter Storm	X	X		X		X	X			X
Wildfire	X	X		X		X	X			X
Terrorism	X	X		X		X	X			X
Utility Failure	X	X		X		X	X			X

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

Table 9.13-16 summarizes the comprehensive-range of specific mitigation initiatives the Town of Lima would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives 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. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. 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 your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.



Table 9.13-16. Summary of Prioritization of Actions

Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
2021-Town of Lima -001	Town Hall Backup Generator	<b>Problem:</b> Town Hall houses municipal departments and offices. In the event of a power outage, the critical systems provided by the town are inoperable. Additionally, the town hall cannot be used to assist residents as it also serves as a food pantry and shelter.  <b>Solution:</b> Purchase and install a diesel-fuel permanent generator at the town hall.	Yes	No	All	1, 2	6 months	Town Board	FEMA HMGP, Town Budget	Continuity of operations; essential services to residents	\$35,000	Medium	SIP	PP, ES
2021-Town of Lima -002	Records Room Relocation	<b>Problem:</b> Municipal records in the town hall are stored in the basement and exposed to dampness and potential flood damage.  <b>Solution:</b> The Town will construct a fireproof room on the 3 <sup>rd</sup> floor of the town hall and then move the records to the completed room.	Yes	No	All	1, 2	1 year	Town Board	FEMA HMGP, Town Budget	Protect municipal records	\$40,000	High	SIP	PP
2021-Town of Lima -003	North/South Corridor Emergency Information Sign	<b>Problem:</b> There is no public information signage in the north/south corridor of the Town. During emergencies, the Town cannot relay information easily in this portion of town.  <b>Solution:</b> Purchase and install a digital sign. The Town will develop a partnership with Lima Christian School to develop an agreement to use their lawn during an emergency and for access for law enforcement.	No	No	All	1, 2, 3	2 years	Town Board with support from the Lima Christian School	CARES Act, FEMA Firefighter Assistance Grants, Town Budget	Increase public awareness	\$50,000	High	LPR, EAP	PI, ES
2021-Town of Lima -004	NFIP Administrator Training	<b>Problem:</b> The floodplain administrator for the Town is in need of training and resources to understand the NFIP program and flooding in the Town.	No	No	Flood	1, 2, 3	Within 1 year	NFIP Floodplain Administrator, NYSDEC	Town Budget	Increase education and training on	Staff time	High	LPR	PR



Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
		<b>Solution:</b> The floodplain administrator will review the list of upcoming trainings on the NYSDEC website and sign up to attend. This will allow the administrator to understand their role in administering the program and learning about the NFIP.								floods in the Town				
2021-Town of Lima -005	Update Flood Damage Prevention Ordinance	<b>Problem:</b> The Town lacks an updated flood damage prevention ordinance.  <b>Solution:</b> The Town will adopt an updated flood damage prevention ordinance to meet state and federal NFIP standards.	No	No	Flood	1, 2	Within 6 months	NFIP Floodplain Administrator, Town Board	Town Budget	Meeting state and federal standards	Staff time	High	LPR	PR
2021-Town of Lima -006	Floodprone Properties	<b>Problem:</b> There are 3 flood policies in the Town. 2 of the flood policies is located in the floodplain. Due to their location, the properties are prone to flooding and flood damages.  <b>Solution:</b> Conduct outreach to 3 floodprone property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the Town.	No	No	Flood	1, 2, 3	1 year	NFIP Floodplain Administrator, Town Board	Town Budget for outreach; FEMA FMA or HMGP for mitigation	Eliminates flood damage to homes, informs public of mitigation options	Staff time; mitigation depends on type chosen	Medium	LPR, SIP	PR, SP, PI

Notes:

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

Acronyms and Abbreviations:

Potential FEMA HMA Funding Sources:

Timeline:





CAV Community Assistance Visit  
 CRS Community Rating System  
 DPW Department of Public Works  
 EHP Environmental Planning and Historic Preservation  
 FEMA Federal Emergency Management Agency  
 FPA Floodplain Administrator  
 HMA Hazard Mitigation Assistance  
 N/A Not applicable  
 NFIP National Flood Insurance Program  
 OEM Office of Emergency Management

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

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes Critical Facility located in 1% floodplain

Mitigation Category:

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

CRS Category:

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



Table 9.13-17. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2021-Town of Lima -001	Town Hall Backup Generator	1	1	1	1	1	1	0	1	0	1	1	0	0	-1	8	Medium
2021-Town of Lima -002	Records Room Relocation	1	1	1	1	1	1	0	1	1	1	1	1	0	1	12	High
2021-Town of Lima -003	North/South Corridor Emergency Information Sign	1	1	1	1	1	1	0	1	1	1	1	1	0	0	11	High
2021-Town of Lima -004	NFIP Administrator Training	1	1	1	1	1	1	1	0	0	1	0	1	0	0	9	High
2021-Town of Lima -005	Update Flood Damage Prevention Ordinance	1	1	1	1	1	1	1	0	0	1	0	1	1	0	10	High
2021-Town of Lima -006	Floodprone Properties	1	1	1	1	0	0	0	0	0	1	0	1	0	0	6	Medium

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



### 9.13.9 Action Worksheets

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

Action Worksheet			
<b>Project Name:</b>	Town Hall Backup Generator		
<b>Project Number:</b>	2021-Town of Lima -001		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	All Hazards		
<b>Description of the Problem:</b>	Town Hall houses municipal departments and offices. In the event of a power outage, the critical systems provided by the town are inoperable. Additionally, the town hall cannot be used to assist residents as it also serves as a food pantry and shelter.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Purchase and install a diesel-fuel permanent generator at the town hall.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	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 worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	100-year	<b>Estimated Benefits (losses avoided):</b>	Continuity of operations; essential services to residents
<b>Useful Life:</b>	15 years	<b>Goals Met:</b>	1, 2
<b>Estimated Cost:</b>	\$35,000	<b>Mitigation Action Type:</b>	SIP
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	Medium	<b>Desired Timeframe for Implementation:</b>	2022-2023
<b>Estimated Time Required for Project Implementation:</b>	6 months	<b>Potential Funding Sources:</b>	FEMA HMGP, Town Budget
<b>Responsible Organization:</b>	Town Board	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Capital Improvement
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Portable generator	\$5,000	Personnel needed to implement each time; not feasible for long-term outages
	New town hall	\$1 million+	Costly; not feasible
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	Town Hall Backup Generator	
<b>Project Number:</b>	2021-Town of Lima -001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Food supply and shelter for residents
Property Protection	1	Avoids burst pipes during power outages in cold temperatures
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	Need funding
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	1	All
Timeline	0	
Agency Champion	0	
Other Community Objectives	-1	
<b>Total</b>	8	
<b>Priority (High/Med/Low)</b>	Medium	



Action Worksheet			
<b>Project Name:</b>	Records Room Relocation		
<b>Project Number:</b>	2021-Town of Lima -002		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	All hazards		
<b>Description of the Problem:</b>	Municipal records in the town hall are stored in the basement and exposed to dampness and potential flood damage.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	The Town will construct a fireproof room on the 3rd floor of the town hall and then move the records to the completed room.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	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 worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	500-year flood	<b>Estimated Benefits (losses avoided):</b>	Protect municipal records
<b>Useful Life:</b>	50 years	<b>Goals Met:</b>	1, 2
<b>Estimated Cost:</b>	\$40,000	<b>Mitigation Action Type:</b>	SIP
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	2022-2023
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP, Town Budget
<b>Responsible Organization:</b>	Town Board	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Floodproofing basement	\$15,000	Will not last; upkeep costs
	Sump pumps	\$10,000	No backup power to run pumps
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	Records Room Relocation	
<b>Project Number:</b>	2021-Town of Lima -002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	Need funding to install but will lower insurance rate of property
Environmental	1	
Social	1	
Administrative	1	Better condition for records
Multi-Hazard	1	All hazards
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	North/South Corridor Emergency Information Sign		
<b>Project Number:</b>	2021-Town of Lima -003		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	All		
<b>Description of the Problem:</b>	There is no public information signage in the north/south corridor of the Town. During emergencies, the Town cannot relay information easily in this portion of town.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Purchase and install a digital sign. The Town will develop a partnership with Lima Christian School to develop an agreement to use their lawn during an emergency and for access for law enforcement.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	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 worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	Increase public awareness
<b>Useful Life:</b>	30 years	<b>Goals Met:</b>	1, 2, 3
<b>Estimated Cost:</b>	\$50,000	<b>Mitigation Action Type:</b>	LPR, EAP
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	2022-2024
<b>Estimated Time Required for Project Implementation:</b>	2 years	<b>Potential Funding Sources:</b>	CARES Act, FEMA Firefighter Assistance Grants, Town Budget
<b>Responsible Organization:</b>	Town Board	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	A-Frame Signs	\$700	Needs personnel to set up, install, and maintain
	GCC Sign	\$500	Manual letter change; time consuming; not immediate
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	North/South Corridor Emergency Information Sign	
<b>Project Number:</b>	2021-Town of Lima -003	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Provides emergency notifications to residents in this area
Property Protection	1	
Cost-Effectiveness	1	Reduces annual signage costs
Technical	1	
Political	1	
Legal	1	
Fiscal	0	Need funding to purchase sign
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	1	
Agency Champion	0	
Other Community Objectives	0	Does not meet signage municipal code
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



