

Village of Lacona

Jurisdictional Annex

Village of Lacona

1.0 Contacts

The contacts for the Village of Lacona regarding this plan were identified as follows:

- Peggy Manchester –Mayor
Address: 11 Park Ave, Lacona, NY 13083
Phone: (315) 387-5564
Email: laconavillage@gmail.com

Village Website: <http://communityny.wixsite.com/lacona>

2.0 Municipal Profile

Population

The 2016 American Community Survey estimated that 693 people live in the Village of Lacona. The Village's population has increased since the 2000 Census population (590) by 17.5% (U.S. Census Bureau, 2016).

Location

The Village of Lacona is located in the eastern portion of the Town of Sandy Creek, which is located in the northwestern corner of Oswego County. The Village of Lacona is bordered by the Village of Sandy Creek to the west. Interstate 81 provides direct access to both Villages and the Town.

Brief History

The Village of Lacona originated from the community that formed around a depot station (Lacona Depot) for the Watertown and Rome Railroad that was constructed in 1851. The Village was officially incorporated in 1851, and grew steadily due to the railroad industry. The Blount Lumber Company operated from 1894 to 1993 in Lacona. Lumber from surrounding areas was brought to Lacona to be shipped by rail (Cole, 2016).

Governing Body

The Village of Lacona is governed by a three (3) member Village Board of Trustees, led by the Mayor. Village residents are also part of the Town of Sandy Creek.

Future Growth

The Village of Lacona is seeking stable growth as opportunities arise. There have been no new commercial or residential developments in the Village since the 2012 County HMP. All potential developments would undergo local site plan review to ensure that all local, state, and federal requirements and regulations are met.

3.0 Hazard Vulnerabilities and Ranking

3.1. Risk Assessment

The following scale was developed to determine hazard vulnerability for the jurisdiction. Each event was given a ranking from one (1) through three (3) for the severity of impact based on extent, onset warning, impact in damages and injury, and frequency: three (3) represents the greatest impact (large area, no warning, severe damage, and regular occurrence); two (2) represents moderate impact (several locations, hours of warning, moderate damage, and infrequent occurrence); and one (1) represents low impact (one location, days of warning, minor damage, and rare occurrence). The scores for each of these four (4) categories were used to assign an overall vulnerability for each hazard, as follows:

- Low: 5 or less
- Moderate: 6 to 8
- High: 9 or greater

Table 1: Hazard Vulnerability by Event						
Hazard Event	Extent	Onset	Impact (Damages and Injury)	Frequency	Vulnerability Rank	Jurisdiction Rank
Ice Storm	3	1	3	2	High	1
Flood	2	2	2	3	High	2
HAZMAT Transit	1	3	2	1	Moderate	3
Water Supply Contamination	3	3	2	1	High	4
Terrorism	1	3	2	1	Moderate	5
Severe Thunderstorm, Wind, or Tornado	3	1	3	3	High	6
Severe Winter Storm	3	1	2	3	High	7
HAZMAT Fixed	1	3	1	1	Moderate	8

3.2. Critical Facilities

Critical facilities are defined as any facility that is critical for emergency response or that requires special emergency response in the event of hazardous incidents as identified by the Village of Lacona. The tables below denote the number and locations of critical facilities within the Village.

Table 2: Critical Infrastructure in the Village of Lacona			
Facility Name	Address (Street, Town/Village/Hamlet)	Parcel Located in Floodplain	Structure Located in Floodplain
Transportation Network			
Evacuation Routes	-	-	-
Bridges	-	-	-
Emergency and Medical Services			
Lacona Fire Dept.	34 Maple Ave, Lacona, NY 13083	No	No
Samaritan Family Health Center	3 Demott St, Lacona, NY 13083	No	No
Public Utilities			
Water Filtration Plants, Well Field, & Chlorine Storage	30 Cable Trail, Lacona, NY 13083	No	No
Water Tower	Prospect St	No	No
Municipal Services			
(T) Sandy Creek Highway Garage	19 Salisbury St, Lacona, NY 13083	No	No
Lacona Village Hall	11 Park Ave, Lacona, NY 13083	No	No
Community Services			
U.S. Post Office	15 Park Ave, Lacona, NY 13083	No	No
Sandy Creek Central School District Bus Garage	129 Salisbury St, Sandy Creek, NY 13145	No	No

4.0 Priority Hazard Events

The following sections detail the priority hazard events identified by the jurisdiction. Additional information about County-selected hazards including frequency, history, and severity is included within Section 5.0 of the main body of the Plan.

The probability of climate-related hazard events is expected to increase in the future within the Village of Lacona. Climate change is expected to cause an increase in weather volatility, rising sea level, and greater temperature extremes.

Past occurrences of hazard events are indicated in their respective profiles below. Some hazards may not have locally available documentation of past occurrence, but were included in this annex for future mitigation planning consideration.

4.1 *Natural Hazards*

Natural hazards selected to be profiled for the Village of Lacona are described in detail below.

4.1.1 Ice Storm

For a description of this hazard, please see Section 5.1.3 of the main body of the plan.

Hazard Vulnerability

Historically, ice storms have occurred about once every seven (7) years in Oswego County. These storms typically affect most or all of the County. The entire Village of Lacona is moderately susceptible to damages from an ice storm event due to its large extent and moderate damage potential and frequency.

Historical Hazard Occurrences and Damage Estimates

The Village of Lacona was affected by the three (3) county-wide ice storm events recorded by the NCDC, which are described in Section 5.1.3 of the main body of the plan. No damage estimates or records related to ice storms are reported specifically for the Village of Lacona.

Future Potential Impacts

The Village of Lacona will continue to experience ice storm events in the future, as will the rest of Oswego County. The Sandy Creek Town Highway Dept. completes tree maintenance within Town and Village roadways to minimize potential damages to overhead utility lines, which is common during ice storms. Private utility right of ways are generally maintained by the individual utility companies.

4.1.2 Flood

For a description of this hazard, please see Section 5.1.2 of the main body of the plan.

Hazard Vulnerability

The Village generally drains to Little Sandy Creek, which drains to Lake Ontario. FEMA's Flood Insurance Mapping Program designates areas that are at risk for flooding. Low flood risk are areas unlikely to flood, moderate risk are areas within the 500-year floodplain (0.2% likely to flood in any given year), and high risk are areas that frequently flood, up to the 100-year flood risk zone (1% likely to flood in any given year). Table 3 summarizes the amount

of land within the Village of Lacona that is located within 100-year and 500-year floodplains and low-risk flood areas.

Table 3: Summary of Areas in Floodplains (Source: FEMA DFIRM 2011)			
Village of Lacona Total Area	Percent of Total Area		
	100-Year Floodplain	500-Year Floodplain	Area of Minimal Flood Hazard
714 acres	3.34%	0.00%	96.66%

Table 4 below summarizes the value of properties in the Village of Lacona that are located within the 100-year floodplain and is categorized by land use type. This table was derived from FEMA floodplain mapping and parcel data from the Oswego County Real Property Tax Office.

Table 4: Parcels within to 100-year Flood Events and Their Estimated Structure Values				
Type of Structure	# Parcels in 100-Year Floodplain	Approx. Structure Value* in 100-Year Floodplain	# Parcels in 500-Year Floodplain	Approx. Structure Value* in 500-Year Floodplain
Agricultural	1	\$132,200	0	-
Commercial	6	\$272,500	0	-
Community Services	0	-	0	-
Industrial	0	-	0	-
Residential	18	\$1,296,000	0	-
Utility	1	\$365,163	0	-
Other**	8	\$145,000	0	-
Total	34	\$2,210,863	0	-
*Structure Value estimated by subtracting parcel's Land Assessed Value from Total Assessed Value (Oswego County Real Property Tax Office, 2018)				
**Includes parcels classified as vacant; recreational; and wild forest/conservation land/parks.				

Historical Hazard Occurrences and Damage Estimates

According to NOAA's Storm Events Database, in the past fifteen (15) years, no flood records were noted to specifically impact the Village of Lacona. The Village was impacted by areal flooding in October 2017, which compromised several roadways. The Village has also been impacted by numerous county-wide events described in Section 5.1.2 of the main body of the plan.

As described in Section 6.0 of this annex, no NFIP loss claims have been paid as of July 2018 in the Village of Lacona. There are no repetitive loss properties in the Village of Lacona.

Future Potential Impacts

Properties along Little Sandy Creek, which flows through the center of the Village, and its tributaries are vulnerable to flooding. Approximately 3.3% of the Village of Lacona is within a mapped 100-year floodplain. None of the Village's critical facilities are located on parcels that intersect the 100-year and/or 500-year floodplain (Table 2).

4.1.3 Severe Thunderstorm, Wind, or Tornado

For a description of these hazards, please see Section 5.1.1 of the main body of the plan.

Hazard Vulnerability

The entire Village is moderately susceptible to damages from a severe thunderstorm, wind, or tornado or coastal storm event due to its moderate extent, hours of warning, and high frequency. Fallen trees from severe winds can damage overhead utility lines, resulting in power outages. In addition, these events are likely to result in damages to private and public infrastructure and property.

Historical Hazard Occurrences and Damage Estimates

In addition to the 101 severe storm events reported within Oswego County, the NCDC reports three (3) specific severe storm events that occurred in the Village of Lacona between 2002 and 2017. All three (3) events were severe thunderstorm winds. Estimated property damages for the Village of Lacona ranged from \$15,000 to \$25,000 (Table 5). Actual damages were likely greater than those estimated by the NCDC.

Table 5: Severe Storm Event Records for the Village of Lacona				
Event Type	Date	Magnitude	Estimated Property Damage	Estimated Crop Damage
Thunderstorm Wind	5/31/2002	50 kts	\$25,000	-
Thunderstorm Wind	6/28/2005	50 kts	\$25,000	-
Thunderstorm Wind	6/18/2017	50 kts	\$15,000	-
Total			\$65,000	-

Future Potential Impacts

Severe storms are a common event in the Village of Lacona and will continue to occur in the future. The frequency and magnitude of severe storm events may increase due to climate change.

4.1.4 Severe Winter Storm

For a description of this hazard, please see Section 5.1.4 of the main body of the plan.

Hazard Vulnerability

Severe winter storms typically occur about eleven (11) times annually in Oswego County. These storms typically affect most or all of the County. The entire Village of Lacona is susceptible to damages from a severe winter storm event. The Town of Sandy Creek Highway Dept. clears Town and Village streets during heavy snow events, and works with the Oswego County Highway Dept. for clearing of County roadways. Roadway safety is a major concern during severe winter storm events.

Historical Hazard Occurrences and Damage Estimates

The Village of Lacona has been affected by a number of county-wide severe winter storm events, described in Section 5.1.4 of the main body of the plan. Severe winter storms typically occur several times annually in Oswego County. These storms typically affect most or all of the County. The NCDC does not report any winter storm records or damage estimates specific to the Village of Lacona. Local records indicate that extreme whiteout conditions were experienced in the Village of Lacona during lake effect snows on December 26, 2017. As of February 2018, the Village of Lacona had measured 186.3 inches of snow for the 2017-2018 winter season.

Future Potential Impacts

The Village of Lacona will continue to experience severe winter storm events in the future. Severe winter storms are common throughout Oswego County and occur about eleven (11) times annually.

4.2 *Technological Hazards*

Technological hazards selected to be profiled for the Village of Lacona are described in detail below.

4.2.1 HAZMAT in Transit

Hazard Vulnerability

Hazardous Materials (HAZMAT) in Transit events involve the uncontrollable release of flammable, toxic, corrosive, chemically instable, or combustible materials during transport that can damage infrastructure, pollute the environment, and/or cause injuries or death. The Village of Lacona contains several main roadways, County Routes 15, 22, and 22A. County Routes 15 and 22A run east to west through the center of the Village. County Route 22 runs north to south

through the eastern half of the Village. A transportation accident involving hazardous materials on this roadway has the potential to impact a portion of the Village of Lacona. The CSX railroad runs north to south through the center of the Village, which is a freight-only line.

Historical Hazard Occurrences and Damage Estimates

There are no specific records of HAZMAT in transit events in the Village of Lacona. This hazard has been documented in other portions of the County (see main body of this plan update for details). However, the Village of Lacona elected to include this hazard due to the moderate risk posed by major roadways that run directly through the Village.

Future Potential Impacts

Although HAZMAT in transit events are infrequent, the Village remains susceptible to future HAZMAT incidents along County Routes 15, 22, and 22A.

4.2.2 Water Supply Contamination

Hazard Vulnerability

The Village of Lacona would be highly vulnerable to water supply contamination due to the wide extent, fast onset, and moderate damage or injury potential for this hazard. The entire Village is supplied by a public water system, which is supplied by groundwater wells. While unlikely, contamination could be caused due to improper treatment or localized groundwater contamination. Water supply contamination could also result from terrorism.

Historical Hazard Occurrences and Damage Estimates

There are no historical records or damage estimates for water supply contamination in the Village of Lacona. However, if this event were to occur, it has the potential to cause a moderate number of injuries or loss of life.

Future Potential Impacts

The Village is susceptible to a water supply contamination event, but the risk is relatively low.

4.2.3 Terrorism

Hazard Vulnerability

Terrorism is defined as the threat or use of violence for political or social gain. Terrorism typically causes community disruption and multiple injuries or deaths. The Village of Lacona is moderately susceptible to a terrorist event due to the event's short onset (little to no warning) and moderate potential impact to Village infrastructure or residents.

Historical Hazard Occurrences and Damage Estimates

There are no records of terrorist events in the Village of Lacona or Oswego County. The Village elected to profile this hazard for the HMP update to account for future potential impacts.

Future Potential Impacts

With the recent rise in localized terrorism events throughout the country such as shootings in schools and public places, the Village chose to analyze this hazard for the HMP update. However, terrorism remains a low risk for the Village of Lacona. The Village is mostly rural and does not have any schools that are likely to be the target of a terrorist attack. The Village does have a public water system that could be impacted.

4.2.4 HAZMAT Fixed Site

Hazard Vulnerability

A fixed-site hazardous materials incident could occur at sites that store petroleum products or other chemicals for industrial or commercial use. The NYSDEC lists five (5) petroleum bulk storage sites in the Village of Lacona (Figure 1). These sites include the Town of Sandy Creek Highway Garage, gas stations, and the Sandy Creek Central School District bus garage. If a large petroleum spill were to occur at either of these locations, nearby properties may need to be evacuated to prevent human exposure and facilitate cleanup.

Historical Hazard Occurrences and Damage Estimates

There are no available records for HAZMAT fixed site incidents specifically in the Village of Lacona. The Village elected to profile this hazard due to the presence of hazardous material storage facilities that store or use hazardous materials.

Future Potential Impacts

The Village remains susceptible to fixed-site hazardous material events, though they are a rare occurrence. Properties close to bulk storage facilities that store petroleum products or chemicals are at the most risk of being affected by a fixed-site hazardous materials incident.

5.0 Capability Assessment

5.1 Planning and Regulatory Capability

The Village's HMP update will be incorporated into and referenced by future updates of the plans, policies, ordinances, programs, studies, and reports listed in Table 6, below.

Table 6. Planning Mechanisms and Capabilities		
Planning Mechanism	Village of Lacona	Notes
Plans		
Comprehensive Plan	X	Joint Comprehensive Plan with Town of Sandy Creek and Village of Sandy Creek- updated in 2013
Watershed Protection Plan	X	In place.
Post-Disaster Recovery Plan	X	In place.
Comprehensive Emergency Management Plan	X	In place.
Policies/Ordinances		
Building Codes	<ul style="list-style-type: none"> • 2010 Residential Code of NYS • 2010 Fire Code of NYS • 2010 Building Code of NYS • 2010 Exiting Building Code of NYS • 2010 Energy Conservation Construction Code of NYS • 2010 Plumbing Code of NYS • 2010 Mechanical Code of NYS • 2010 Fuel Gas Code of NYS 	Village Code Enforcement Officer
Flood Regulations	X	Adopted.
Site Plan Review Requirements	X	In place.
Real Estate Disclosure Requirement	X	In place.
Programs		
NFIP Participant	X	Current participant.
Public Education/Awareness Program	X	Fire Dept. responsible
Stream Maintenance Program	X	Town of Sandy Creek Highway Dept. Responsible
Storm Maintenance Program	X	Town of Sandy Creek Highway Dept. Responsible
Mutual Aid Agreements	X	Agreements with neighboring jurisdictions and Oswego County

Table 6. Planning Mechanisms and Capabilities		
Planning Mechanism	Village of Lacona	Notes
Studies/Reports		
Hazard Analysis/Risk Assessment	X	Oswego County HMP- 2012
Floodplain Maps and/or Studies	X	FEMA- 2011
Staff/Development		
Building Code Official	X	Village Code Enforcement Officer
Local Floodplain Administrator	X	Village Code Enforcement Officer
Public Information Official	X	Mayor
Engineer/Public Works Official	X	Village DPW
Grant Writer	X	Successfully helped Village obtain 2 grants in the first year

5.2 *Emergency Communications, Routes, and Shelters*

The Village of Lacona, along with Oswego County, utilize the HyperReach emergency communications system. Major transportation routes within the Town include County routes, County Routes 15, 22, and 22A. The Village of Lacona has one (1) established emergency shelter:

- Lacona Fire Dept.- 34 Maple Ave, Lacona, NY 13083

The Fire Dept. is ADA-compliant. During emergencies, pets are sheltered at the old Lacona Fire Hall which is located in the Village.

5.3 *Temporary and Permanent Housing Locations*

The potential temporary and permanent housing locations listed below were identified for displaced residents in the Village of Lacona based on the 2017 NYS Hazard Mitigation Planning Standards.

- **Potential Temporary Housing Locations**
 - Lacona Fire Dept. Whiting Field- 10 Maple Ave, Lacona, NY 13083
- **Potential Permanent Housing Locations**
 - Village property- off of CR 15
 - Village property- 9 Maple Ave

6.0 National Flood Insurance Program

Long-term mitigation of potential flood impacts can be best achieved through comprehensive floodplain management regulations and enforcement at a local level. The National Flood Insurance Program (NFIP), regulated by FEMA, aims to reduce the impact of flooding on private and public structures by providing affordable insurance for property owners. The program encourages local jurisdictions to adopt and enforce floodplain management regulations in order to mitigate the potential effects of flooding on new and existing infrastructure (FEMA, 2015).

Communities that participate in the NFIP adopt floodplain ordinances. If an insured structure incurs damage costs that are over 50% of its market value, the owner must comply with the local floodplain regulations when repairing or rebuilding the structure. A structure could be rebuilt at a higher elevation, or it could be acquired and demolished by the municipality or relocated outside of the floodplain. Insured structures that are located within floodplains identified on FEMA's Flood Insurance Rate Maps (FIRMs) may receive payments for structure and content losses if impacted by a flood event.

The NFIP and other flood mitigation actions are important for the protection of public and private property and public safety. Flood mitigation is valuable to communities because it:

- Creates safer environments by reducing loss of life and decreasing property damage;
- Allows individuals to minimize post-flood disaster disruptions and to recover quicker (homes built to NFIP standards generally experience less damage from flood events, and when damage does occur, the flood insurance program protects the homeowner's investment); and
- Lessens the financial impacts on individuals, communities, and other involved parties (FEMA, 2015).

The Village of Lacona currently participates in the NFIP. As of July 2018, the Village had no flood insurance policies in-force and no NFIP claims have been filed for properties located within the Village. There are no repetitive loss properties located in the Village of Lacona as of October 2017. The Village will continue to comply with the NFIP by enforcing floodplain management requirements and regulating new development in Special Flood Hazard Areas, in addition to other required duties.

7.0 Mitigation Strategy and Prioritization

7.1 Past, Completed, and Ongoing Initiatives

The Village of Lacona proposed two (2) mitigation actions in the 2012 Oswego County HMP. The details and status of those actions are described in Table 7 below. The Village's 2012 mitigation actions were not re-included for the present Plan update.

Table 7. 2012 Hazard Mitigation Actions Village of Lacona				
Proposed Mitigation Action	Hazard(s) Mitigated	2012 Goals & Objectives Met	Implementing Agency	Status
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Lacona municipal board and Highway/DPW, NYSDOT	The Village did not address this action but emergency signage along I-81 was implemented by the NYSDOT.
Install security gate and fencing around water storage tank and other infrastructure	Terrorism	4-c	Village of Lacona Highway/DPW Dept.	This was completed by the Village.

7.2 Proposed Mitigation Actions

The Village proposed five (5) new mitigation actions to be included in the HMP update. These actions are described in Table 8, below and on worksheets included in Attachment A.

Table 8. 2018 Proposed Mitigation Actions Village of Lacona									
Action ID	Mitigation Action	Hazard(s) Mitigated	Implementing Agencies (Lead* & Support)	Planning Mechanism	Timeframe	New or Existing Development	Estimated Cost	Funding Source(s)	Priority
Lacona 1	Develop an emergency warning protocol for the Village and educate public on emergency preparedness resources	All	Village Fire Dept*	Comprehensive Emergency Management Plan	5 years	N/A	Low	Village budget	High (#1)
Lacona 2	Increase security at Village well field (fence locks, security cameras)	Water Supply Contamination, Terrorism	Village DPW*	Comprehensive Plan	5 years	Existing	Low	FEMA- PDM, Village budget	High (#2)
Lacona 3	Require underground utilities for new development	Ice Storm, Severe Storm	Mayor*	Comprehensive Plan	5 years	New	Low	Village budget	High (#3)
Lacona 4	Develop and distribute property resilience brochure to all Village residents	Severe Thunderstorm/ Wind/Tornado, Flooding, Severe Winter Storm, Ice Storm	Mayor*	Comprehensive Plan	1 year	Existing	Low	Village budget	Medium (#4)
Lacona 5	Complete stormwater drainage improvements on Demott St and Powers Ave	Flood	Mayor*	Comprehensive Plan	1-2 years	Existing	\$150,000	NYSEFC- CWSRF, Village budget	Medium (#5)
Potential Funding Sources FEMA PDM: https://www.fema.gov/pre-disaster-mitigation-grant-program USDA-RD Community Facilities Grant: https://www.rd.usda.gov/programs-services/community-facilities-direct-loan-grant-program NYSEFC- CWSRF: https://www.efc.ny.gov/cleanwater									

7.3 Cost-Benefit Analysis

Each of the Town's proposed mitigation actions were evaluated and prioritized using the STAPLEE cost-benefit analysis. The Town's STAPLEE worksheet is provided in Attachment B. The STAPLEE analysis includes the following lenses of evaluation: social, technological, administrative, political, legal, economic, and environmental.

8.0 Works Cited

Cole, Charlene. 2016. "Town of Sandy Creek and Villages of Sandy Creek and Lacona". *History of Oswego County, New York, Marking the Bicentennial*. Eds Shawn Doyle, Roy Reehil, Debra Allen, Justin White, Janet Clerkin, Kelly Jordal, and Kara Alheim. Oswego, NY: Oswego County, New York, 2016. 122-124. Print.

U.S. Census Bureau. 2016. "Summary File." 2012 – 2016 American Community Survey. U.S. Census Bureau's American Community Survey Office, 2016. Web. Accessed 5 September 2018. Available from:
<https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>

Figure 1

**Hazard Area Extent and Location Map –
Village of Lacona**

Legend:

- Municipal Boundaries
- FEMA 100-Year Floodplain
- FEMA 100-Year Floodplain- Floodway
- FEMA 500-Year Floodplain
- Streams
- Active Railroads
- Critical Facilities
- NYSDEC Bulk Storage Facilities
- Dams**
- Class A (Low Hazard)
- Class B (Intermediate Hazard)
- Class C (High Hazard)



Attachment A

**Mitigation Action Worksheets –
Village of Lacona**

Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Village of Lacona
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Mitigation Action Worksheet	
Project Name:	Develop an emergency warning protocol for the Village and educate public on emergency preparedness resources
Project Number:	Lacona 1
Risk/Vulnerability	
Hazard of Concern:	All
Description of the Problem:	Currently Village lacks a way to notify residents during an emergency situation
Action of Project Intended for Implementation	
Description of the Solution:	Develop a plan for the Village to outline protocol for notifying public of hazardous conditions. Increase social media presence, provide residents with emergency preparedness resources, encourage residents to sign up for County's Hyper-Reach notification program.

Is this project related to a Critical Facility? Yes _____ No X

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	High	Estimated Benefits (losses avoided):	Better informed public
Useful Life:	Long-term (10-15 years)		
Estimated Cost:	\$5,000		

Plan for Implementation			
Prioritization:	#1 (High)	Desired Timeframe for Implementation:	1-5 years
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	Village budget
Responsible Organization:	Village Fire Dept.	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Emergency Management Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	
	Increase public outreach to provide emergency preparedness resources	\$1,000	This is a good start but lacks a set protocol for public outreach
	Develop outreach/notification protocol for Village and increase public outreach	\$5,000	Organized protocol for public notification/outreach and better informed public overall.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Village of Lacona
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Mitigation Action Worksheet

Project Name:	Increase security at Village well field (fence locks, security cameras)
Project Number:	Lacona 2

Risk/Vulnerability

Hazard of Concern:	Water Supply Contamination, Terrorism
Description of the Problem:	The Village well site is fenced but security could be improved to prevent unauthorized access.

Action of Project Intended for Implementation

Description of the Solution:	Maintain fence locks and install security cameras at well site to prevent unauthorized access/monitor activity.
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Is this project related to a Critical Facility? Yes _____ No X

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	Moderate	Estimated Benefits (losses avoided):	Increased security of water system infrastructure.
Useful Life:	Medium (5-10 years)		
Estimated Cost:	\$5,000		

Plan for Implementation

Prioritization:	#2 (High)	Desired Timeframe for Implementation:	1-5 years
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	FEMA- PDM, Village budget
Responsible Organization:	Village DPW	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Plan

Three Alternatives Considered (Including No Action)

	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	Still lacking security measures at well site
	Continue to maintain fence and keep area locked	\$1,000	Good security protocol but no way to monitor site remotely.
	Continue to maintain fence and keep area locked, install security cameras	\$5,000	Increased security and creates way to monitor site remotely.

Progress Report (for Plan Maintenance)

Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Village of Lacona
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Mitigation Action Worksheet	
Project Name:	Require underground utilities for new development
Project Number:	Lacona 3
Risk/Vulnerability	
Hazard of Concern:	All
Description of the Problem:	Currently, the Village has primarily overhead utilities which pose a greater risk of utility loss during storm events.
Action of Project Intended for Implementation	
Description of the Solution:	Require underground utilities for areas of new development by revising the Village code.

Is this project related to a Critical Facility? Yes _____ No X

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	Medium	Estimated Benefits (losses avoided):	Decreased risk of utility failure during storm events.
Useful Life:	Long-term, ongoing		
Estimated Cost:	\$10,000		

Plan for Implementation			
Prioritization:	#3 (High)	Desired Timeframe for Implementation:	1-2 years
Estimated Time Required for Project Implementation:	6 months -1 year	Potential Funding Sources:	Village budget
Responsible Organization:	Code Enforcement Officer	Local Planning Mechanisms to be used in Implementation, if any:	Update Village Code, Comprehensive Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	Overhead utility lines may continue to be installed for new development
	Require underground utilities by updating Village building code. When existing overhead utilities are in need of replacement consider converting to underground if possible.	\$1,000	Better informed public in general.
	Replace existing overhead utilities with underground utility lines	\$1 million+	Not practical and very expensive.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Village of Lacona
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Mitigation Action Worksheet	
Project Name:	Develop and distribute property resilience brochure to all Village residents
Project Number:	Lacona 4
Risk/Vulnerability	
Hazard of Concern:	Severe Thunderstorm/Wind/Tornado, Flooding, Severe Winter Storm, Ice Storm
Description of the Problem:	Many residents throughout Oswego County, including the Village of Lacona, may lack knowledge regarding how to make their properties more resilient to flooding and storm events. Storm damages could be minimized or avoided if residents had access to practical methods for hardening their properties.
Action of Project Intended for Implementation	
Description of the Solution:	Modify County-wide property resiliency brochure to include additional information regarding Village codes, contact information, and other Village-specific information. Distribute the brochure to each Village resident, either by mailing or making the document available on the Village website and at the Village Hall.

Is this project related to a Critical Facility? Yes ☐ No ☒

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	Medium	Estimated Benefits (losses avoided):	Village residents would be better informed about ways to protect their properties during flooding and storm events, which would help to lessen property damages in the future.
Useful Life:	Long-term		
Estimated Cost:	\$500-2,000		

Plan for Implementation			
Prioritization:	#4 (Medium)	Desired Timeframe for Implementation:	1 year
Estimated Time Required for Project Implementation:	3 months	Potential Funding Sources:	Village budget
Responsible Organization:	Mayor	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	No change in public awareness regarding property resilience.
	Distribute property resiliency brochure developed by Oswego County	\$500-2,000	Partial solution. The property resiliency techniques likely would be the same as those identified for the County, but this option lacks Village-specific information.
	Distribute Oswego County property resiliency brochure modified with Village-specific information	\$500-2,000	Most comprehensive approach, gives Village residents more complete information regarding Village-specific codes and contacts.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Village of Lacona
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Mitigation Action Worksheet	
Project Name:	Complete stormwater drainage improvements on Demott St and Powers Ave
Project Number:	Lacona 5
Risk/Vulnerability	
Hazard of Concern:	Flood
Description of the Problem:	Demott St and Powers Ave currently lack adequate stormwater drainage. Localized flooding along these roadways occurs during heavy rain events, causing damage to public and private properties. Demott St has an existing closed drainage system, but it is undersized and becomes plugged. Powers Ave currently only has an open roadside ditch and is in need of piping to better contain stormwater flows.
Action of Project Intended for Implementation	
Description of the Solution:	Replace closed drainage system on Demott St with upgraded system, and install closed drainage system along Powers Ave to convey stormwater flows and reduce localized flooding. This project would be completed in conjunction with sidewalk and curbing improvements.

Is this project related to a Critical Facility? Yes _____ No X

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	High	Estimated Benefits (losses avoided):	Reduced flooding issues along Village roadways and private properties.
Useful Life:	Long-term		
Estimated Cost:	\$150,000		

Plan for Implementation			
Prioritization:	#5 (Medium)	Desired Timeframe for Implementation:	1-2 years
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	Village budget NYSEFC- CWSRF
Responsible Organization:	Mayor	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	No change in public awareness regarding property resilience.
	Conduct annual maintenance of existing piping and ditches along roads to prevent debris blockages.	\$500	This may prevent some occurrences of localized flooding but is not a long-term solution.
	Install closed stormwater drainage system on Demott St and Powers Ave	\$150,000	Complete, long-term solution to address localized flooding issues.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Attachment B

**STAPLEE Table –
Village of Lacona**

STAPLEE Criteria Consideration Table
Mitigation Action Prioritization and Comparison

Jurisdiction Village of Lacona

Action ID	Action								Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		S	T	A	P	L	E	E						
		+ = Benefit (favorable), - = Cost (unfavorable), 0 = Neutral or N/A										Levels = High, Medium, or Low		
Lacona 1	Develop an emergency warning protocol for the Village and educate public on emergency preparedness resources	+	+	+	+	+	+	0	+	+	-	High	Low	High (#1)
Lacona 2	Increase security at Village well field (fence locks, security cameras)	+	+	+	+	+	+	0	+	+	0	Med	Low	Med (#2)
Lacona 3	Require underground utilities for new development	0	+	+	0	+	+	0	+	+	+	Med	Low	Med (#3)
Lacona 4	Develop and distribute property resilience brochure to all Town residents	+	+	+	+	+	+	0	+	+	+	Medium	Low	Med (#4)
Lacona 5	Complete stormwater drainage improvements on Demott St and Powers Ave	+	+	0	+	+	-	0	0	+	-	High	High	Med (#5)