

10.2.11 Village of Goshen

This section presents the jurisdictional annex for the Village of Goshen. The Village does not have a mitigation plan.

10.2.11.1 Contacts

Primary and secondary contacts regarding this plan are identified as follows:

- Kyle Roddey – Mayor
276 Main Street
Goshen, NY 10924
(845) 294-6750
- Michael Nuzzolese – Trustee
(845) 294-6750
- Scott Birney – Highway Superintendent
(845) 294-6288

10.2.11.2 Municipal Profile

Population

According to the U.S. Census, the 2010 population for the Village of Goshen was five thousand, five hundred fifty-one (5,551), with a population density of three hundred twelve (312) persons per square mile. The population has decreased by 2.2% from the 2000 census population of five thousand, six hundred seventy-six (5,676).

Location

The Village of Goshen is located in Orange County, approximately seventy (70) miles north of New York City. The Village is within the Town of Goshen which is enclosed by Town of Wallkill to the west, the Town of Chester to the south, and the Town of Hamptonburgh to the east. The Village occupies 2.82 square miles roughly located in the center of the Town of Goshen. The Village is in many ways also the economic center of the Town.

Brief History

The Village was settled in 1714 and incorporated in 1809. The Village (or the town, which are indistinguishable in old records) was the site of the hanging of the famous outlaw Claudius Smith, a British Loyalist who along with the Mohawk Indian Chief Joseph Brant raided the countryside surrounding Goshen during the American Revolutionary War.

In the mid-1700s the Town and Village was important in the development of harness racing. As early as the 1750s, residents used to race their horses along what is now Main Street in the

village's downtown. In 1838, a circular track was built around a nearby circus ground; this track was the first incarnation of the Historic Track, where races are still held for one week each year, making it the oldest horse racing facility still in use in the United States. A couple of years later, the larger Good Time Park was built, which hosts the Hambletonian race.

Governing Body

The Board of Trustees is the legislative body of a Village. The Board of Trustees is comprised of the Mayor and four (4) Trustees.

Future Growth

A number of new developments are in various stages of the development process. Phase 2 of Harness Estates with approximately eighty (80) homes is beginning in the near future. There are also areas of the Village that are ripe for development. Two vacant parcels on West Main zoned for mixed-use while Good Time Park (approximately ninety-five (95) acres zoned for residential), vacant land along Scotchtown zoned for office, along with several under developed parcels along Greenwich Avenue – including the thirteen (13)-acre CVS site – are attractive locations for prospective developers. Lastly, with the redevelopment of the County Government Center, the temporary offices on Matthews Street will be available for a new major employer in the near future.

10.2.11.3 Hazard Vulnerabilities and Ranking

Village of Goshen has a history of natural and non-natural hazard events (see the table below).

Risk Ranking

The following hazards have been identified by the Village of Goshen. Vulnerability was assessed due to frequency and potential extent for damages.

Table 10.2.11a: Hazard Vulnerability By Event	
Hazard Event	Vulnerability
Drought	Moderate
Earthquake	Low
Extreme Temperatures	Moderate
Flood	High
Hurricane	Moderate
Ice Jam	Low
Ice Storm	Moderate
Landslide	Low
Severe Storm	High
Severe Thunderstorm	Moderate

Hazard Event	Vulnerability
Tornado	Low
Wildfire	Low
Winter Storm	High

Critical Facilities

Transportation Network	Water Supply Systems (Wells)	Government Services	Emergency Services	Educational/ Shelter and Evacuation Facilities	Telecommunications
2	3	3	4	1	4

Of note, there are numerous Government Services buildings including both municipal offices for the Town and Village of Goshen, Orange County 911 Center, Orange County 1887 Building, Orange County Offices on Matthews Street, and Orange County Court Offices. Also under ‘Educational’ category, the Village has four (4) school buildings plus the Goshen Central School District offices.

The Village of Goshen has twenty-six (26) critical facilities within the 500-year floodplain or the high hazard Landslide Rating¹ area. Nine (9) of these facilities are located in both. Below is a table that identifies the structures and hazard issues.

The sixteen (16) critical facilities that are located within in the 500-year floodplain are impacted by an underground stream with undersized culverts. Action VG-1 (Culvert clean-out, right-sizing, and replacement) addresses the flood hazard that impacts most of these critical facilities. Action VG-3 also addresses vulnerabilities at the Village DPW by providing generator back-up power. The following table identifies facilities located within the 500-year floodplain and Landslide Rating Area.

Critical Infrastructure	Critical Infrastructure	Critical Infrastructure	Associated Mitigation Action
Blaser Swisslube	Y	N	VG-1
Goshen Methodist Daycare	Y	Y	VG-1
Bruen Park	Y	Y	VG-1
Church Park	N	Y	N/A
Erie Street Park	Y	Y	VG-1
Center for Stress Reduction	Y	N	VG-1

¹ Areas with a landslide rating in of greater than 37 are considered hazardous. The data was derived from HAZUS software analysis.

Table 10.2.11c: Village of Goshen Critical Facilities and Infrastructure in Hazard Areas			
Critical Infrastructure	Critical Infrastructure	Critical Infrastructure	Associated Mitigation Action
Planned Parenthood	Y	N	VG-1
Cataract Fire Co.	Y	Y	VG-1
Dikemans Fire Co.	Y	N	VG-1
Goshen Ambulance	Y	N	VG-1
Goshen Library	N	Y	N/A
Goshen Department of Public Works	Y	Y	VG-1, VG-3
Goshen Post Office	Y	N	VG-1
Goshen School Administration	N	Y	N/A
Goshen Town Hall*	N	Y	N/A
Minisink Fire Co.	Y	N	VG-1
Orange County Board of Elections	Y	Y	VG-1
Orange County Department of Environmental Health**	N	Y	N/A
Orange County Department of Social Services	Y	Y	VG-1
Orange County Historian	N	Y	N/A
Orange County Information Technology	Y	Y	VG-1
Orange County Legal Aid Society	Y	Y	VG-1
Orange County Water Authority***	N	Y	N/A
Surrogate Court	N	Y	N/A

*It is important to note that Goshen Town Hall & Town Court are located within the same facility.

**It important to note that OC Department of Environmental Health, Health, Planning, Property Tax Services, Public Health Nursing, Tourism, and Early Intervention Services are located within the same facility.

***It is important to note that OC Department of Affairs & Weights & Measures and OC Water Authority are located within the same facility.

As indicated in Section 2.8, participating municipalities did not wish to disclose the locations of public water systems facilities due to security concerns. However, they acknowledge the criticality of such facilities. While it is assumed that most municipal water systems facilities are not located within the floodplain, these jurisdictions will explore hardening/relocation opportunities for those that are located within the floodplain should such actions become necessary due to the incidence of flooding impacts.

By necessity, critical wastewater facilities are located within the 500-year floodplain due to discharge requirements and gravity-fed systems optimization. While relocation is neither desired nor feasible, participating municipalities will seek to harden these facilities where feasibly and fiscally possible.

Table 2.8a – Orange County NPDES Data lists all wastewater facilities in the County, including the Village of Goshen, with a NPDES (National Pollutant Discharge Elimination System) permit. In the case of New York State, NPDES permit listing match State Pollutant Discharge Elimination System (SPDES) permit listings.

Priority Hazard Events

The following sections detail the priority hazard events identified by the jurisdiction. Additional information about each hazard including frequency, history, and severity within Orange County is included within Section 5.0 of the main body of the Hazard Mitigation Plan (Volume I).

The probability of climate-related hazard events is generally expected to increase in the future within the Village of Goshen. This anticipated increase results from the expected increase in weather volatility associated with climate change. Both the Wallkill River and Moodna Creek watersheds also contribute to increased flooding occurrences.

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

Flood

Flooding in the Village is a result from snow melt, heavy rains or other weather conditions. By identifying areas that are prone to flooding, it is possible to restrict development to open space uses, including passive recreation and agricultural uses, which don't obstruct water flow and are tolerant of flooding. The Federal Emergency Management Agency (FEMA) has identified potential flood hazard areas in the Village of Goshen, which are shown on FEMA maps.

The following table summarizes the FEMA Presidential Disaster (DR) or Emergency (EM) Declarations for flood events in Orange County, which encompasses the Village of Goshen. Many of these federal disasters were the remnants of severe storms or tropical or extra tropical disturbances (hurricanes, tropical storms, Nor'easters) either passing over or located within proximity to the State. Further information about flooding events which impacted Orange County is provided in Section 5.0 of this plan.

Type of Event	Date	Declaration Number	Cost of Losses (Approximate)	Source(s)
Hurricane & Flood (Hurricane Connie and Diane)	August 1955	DR-45	Flooding throughout the Town and Village of Goshen that caused evacuations. Flooding caused damage to residential and commercial properties, road closures, and power outages.	FEMA, Orange County HMP
Severe Storms and Flood (Tropical Storm Doria)	August 1971	DR-311	This storm caused seven deaths and \$147.6 M in damage throughout its path (1971 USD, \$735 M 2006 USD). New York State experienced approximately \$7.4 M in total eligible damages. Orange County experienced approximately \$29 K in property and crop damages. Estimated damages for the Town and Village of Goshen are unknown.	FEMA, Orange County HMP
Coastal Storms and Flood	April 1984	DR-702	Flooding occurred across southeastern New York State, and a federal disaster designation was declared on April 17. Flooding caused road closures in the Town and Village of Goshen Planning Area. Orange County experienced approximately \$11.9M in total eligible damages.	FEMA, Orange County HMP

Table 10.2.11d: Presidential Disaster Declarations for Flooding and Related Events in The Village of Goshen				
Type of Event	Date	Declaration Number	Cost of Losses (Approximate)	Source(s)
Severe Storm and Flooding	January 1996	DR-1095	Severe storms and flooding across the region from January 19-30 led to road damage across Orange County. Orange County was among many counties in New York State that became eligible for Individual and Public Assistance under Federal Disaster Declaration DR-1095. Storm-induced damages to County roads at 32 locations resulted in approximately \$330,000 in damages. Estimated storm damages to Town and Village of Goshen are unknown.	FEMA, NOAA-NCDC, Orange County HMP
Severe Storms and Flooding	August-September 2004	DR-1564	The remnants of a tropical system combined with thunderstorms moved over Western Orange County, where hourly rainfall estimates in the three to five inches was observed at times. Houses were damaged, roads were destroyed, and buildings collapsed throughout Western Orange County. A federal disaster declaration was made on October 1. Damage estimates were \$2.2 M in public and \$1.8 M in private property. As of April 2013, \$2.8 M in FEMA Individual Assistance and \$14 M in Public Assistance Grants were approved and obligated throughout New York State. Estimated storm damages to Town and Village of Goshen are unknown.	FEMA, Orange County HMP
Remnants of Hurricane Ivan and Flooding	September 2004	DR-1565	Remnants of Hurricane Ivan dropped up to 5" of rainfall in some areas of Orange County. This amount of rainfall caused flash flooding of roadways and highways across the region. The total damages within New York State were approximately \$15.10 M. Specific damages totals for the Town and Village of Goshen are unknown.	NOAA-NCDC, Orange County HMP
Severe Storms and Flooding (also identified as a Nor'Easter)	March 2010	DR-1899	New York State experienced millions in eligible damages (FEMA). Specific damages in for the Village of Goshen are unknown. FEMA gave out more than \$76 million in assistance to affected counties within the State. Disaster assistance to Orange County totaled \$4.37 M.	NOAA-NCDC, FEMA
Remnants of Tropical Storm Lee and Flooding	September 2011	DR-4031	The remnants of Tropical Storm Lee impacted the county two weeks after Hurricane Irene made landfall. Combined damages for Hurricane Irene and Tropical Storm Lee exceeded \$ 55 million for Orange County. Specific damages for the Town and Village of Goshen were not available for this storm event.	NOAA-NCDC, FEMA,
Remnants of Hurricane Sandy and Flooding	October 2012	DR-4085	Much of the worst impacts during this storm were felt along the eastern portion of the County, and downstate. In Town and Village of Goshen, there were widespread power outages and downed trees. The water and wastewater plants were inaccessible due to road closures.	NOAA-NCDC, FEMA, Planning Area Input

The following table, Table 10.2.11e, indicates that approximately eighteen (18) percent of the land in the Village is within high flood risk areas (Zones A, AE, AH, AO) and approximately one (1) percent of the land in the Village is mapped as moderate flood risk areas (X500). (FEMA Flooding Mapping, 2016)

Table 10.2.11e: Summary of Land Areas Within the Village of Goshen in Flood Hazard Areas (Source: FEMA DFIRM Data, 2016)						
Municipality	Total Land Area (Acres)	High Flood Risk (Acres)	Moderate Flood Risk (Acres)	Low Flood Risk (Acres)	Land in High Flood Risk %	Land in Moderate Flood Risk %
		A, AE, AH, AO	X500	X	A, AE, AH, AO	X500
Village of Goshen	2,032	365	20	1,647	18%	1%

Below is a table that illustrates the value of property in the Village of Goshen that is located within the 500-year floodplain and is categorized by land use type. This table was derived from FEMA floodplain mapping and parcel data from the Orange County Property Assessor.

Table 10.2.11f: Structures in the Village of Goshen Vulnerable to 500-year Flood Events and Their Estimated Values		
Type of Structure	# Structures in Hazard Area	Value of Structures (in millions)
Residential	60	\$19.7
Commercial	88	\$55.0
Industrial	8	\$7.7
Agricultural	0	\$0
Religious/Non-profit	2	\$1.7
Government	10	\$8.9
Education	1	\$6.3
Utilities	1	\$0.5
Dams	0	\$0
Parks	2	Unknown
Total	172	\$99.8

Extreme Temperatures

For a description of this hazard, please see section 5.1.

Historical Occurrence:

In the past ten (10) years there is no record of any Extreme Temperatures that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Severe Storm/Severe Thunderstorm

For a description of these hazards, please see section 5.2.

Historical Occurrence:

In the past ten (10) years there is no record of any Severe Storms or Severe Thunderstorms that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Tornado

For a description of this hazard, please see section 5.2.

Historical Occurrence:

In the past ten (10) years there is no record of any Tornadoes that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Hurricane

For a description of this hazard, please see section 5.3.

Historical Occurrence

In the past ten (10) years there is no record of any Hurricanes that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document. It is of note that hurricane threats could potential increase due to climate change trends.

Drought

For a description of this hazard, please see section 5.5.

Historical Occurrence

In the past ten (10) years there is no record of any Droughts that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Earthquake

For a description of this hazard, please see section 5.7.

Historical Occurrence

In the past ten (10) years there is no record of any Earthquakes that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Landslide

Landslides occur when a slope fails and moves downward due to gravity; this can be caused by anything that disrupts ground stability, from storms to acts of man. The New York State Geological Survey denotes areas with steep slopes and glacial lake clay soils as landslide vulnerable. There are areas within the Village of Goshen that meet these criteria. The Village has areas with steep slopes and ridgelines, some of which are generally wooded, increasing the probability for a potential landslide in the future. Analysis of critical facilities that fall into these high landslide rating areas can be found in Table 10.2.4c and in Attachment I.

Below is a table that illustrates the value of property in the Village of Goshen that is located within the landslide rating area and is categorized by land use type. This table was derived from GIS mapping and parcel data from the Orange County Property Assessor.

Type of Structure	# Structures in Hazard Area	Value of Structures (in millions)
Residential	159	\$27.3
Commercial	20	\$12.7
Industrial	0	\$0
Agricultural	0	\$0
Religious/Non-profit	0	\$0
Government	11	\$10.0
Education	1	\$6.3
Utilities	0	\$0
Dams	0	\$0
Parks	3	Unknown
Total	194	\$56.3

Winter Storm

For a description of this hazard, please see section 5.8.

Historical Occurrences:

In the past ten (10) years there is no record of any Winter Storms that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Ice Storm

For a description of this hazard, please see section 5.8.

Historical Occurrence

In the past ten (10) years there is no record of any Ice Storms that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Wildfire

For a description of this hazard, please see section 5.9.

Historical Occurrences:

In the past ten (10) years there is no record of any Wildfires that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Ice Jam

For a description of this hazard, please see section 5.10.

Historical Occurrences:

In the past ten (10) years there is no record of any Ice Jams that have explicitly impacted the Village of Goshen, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

10.2.11.4 Capability Assessment

Planning and Regulatory Capability

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

Table 10.2.11g: Planning and Regulatory Tools				
Tool/Program (Code, Ordinance, Plan)	Status Do you have this? (Y/N)	Authority (Local, County, State, Federal)	Dept./Agency Responsible	Code Citation and Comments (Code Chapter, Date of Adoption, Name of Plan, Explanation of Authority, etc.)
Building Code	Y	County, State, Federal	Planning Board and Building Inspector	NYS Building codes 2010 Edition
Zoning Ordinance	Y	Local	Planning Board and Building Inspector	It is adequately administrated and enforced. See chapter 97
Subdivision Ordinance	Y	Local	Planning Board	It is adequately administrated and enforced. See chapter 83
NFIP Flood Damage Protection Ordinance	Y	Federal, State, Local	Village Consultant Engineer	

Table 10.2.11g: Planning and Regulatory Tools				
Tool/Program (Code, Ordinance, Plan)	Status Do you have this? (Y/N)	Authority (Local, County, State, Federal)	Dept./Agency Responsible	Code Citation and Comments (Code Chapter, Date of Adoption, Name of Plan, Explanation of Authority, etc.)
NFIP - Cumulative Substantial Damages	Y	Federal, Local	Village Consultant Engineer	
Special Purpose Ordinances (e.g. wetlands, critical or	Y	Federal, State, Local	Village Planning Board	
Growth Management	Y	Local	Village Planning Board	
Floodplain Management/Basin Plan	Y	Local	Village Building Inspector	
Stormwater Management Plan/Ordinance	Y	Local	Village Building Inspector, Planning	2013
Comprehensive Plan/Master Plan	N	Local	Village Board	
Capital Improvements Plan	Y	Local	Village Board	
Site Plan Review Requirements	Y	Local	Village Planning Board, Building	
Economic Development Plan	Y	Local	Village Mayor	
Emergency Response Plan	Y	Local	Town/Village Emergency	Yearly
Post Disaster Recovery Plan	Y	Local	Town/Village Emergency	
Post Disaster Recovery Ordinance	N	Local	Village Board	

Administrative and Technical

The table below summarizes potential staff and personnel resources available to the Village.

Table 10.2.11h: Administrative and Technical Capabilities		
Available Staff/ Personnel Resources	(Y or N)	Department/Agency/Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Village Planning Board, Village Building Inspector & Village ZBA, Village Consultant Engineer
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Village Consultant Engineer / Village Building Inspector
Planners or engineers with an understanding of natural hazards	Y	Village Consultant Engineer

Table 10.2.11h: Administrative and Technical Capabilities		
Available Staff/ Personnel Resources	(Y or N)	Department/Agency/Position
NFIP Floodplain Administrator	Y	Building Inspector
Surveyor(s)	Y	Village Consultant Engineer
Personnel skilled or trained in "GIS" applications	Y	Village Consultant Engineer
Scientist familiar with natural hazards in the County.	Y	Village Consultant Engineer
Emergency Manager	Y	Village Police Chief
Grant Writer(s)	Y	Village Consultant Engineer / Village Consultant Planner
Staff with expertise or training in benefit/cost analysis	Y	Village Consultant Engineer
Professionals trained in conducting damage assessments	Y	Orange County Division of Emergency Management

Fiscal

Table 10.2.11i: Fiscal Opportunities for the Village of Goshen		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don't Know)	Comments
Community Development Block Grants	Y	Used for Storm Mitigation Improvements
Capital Improvements Project funding	Y	Various projects
Authority to levy taxes for specific purposes	Y	Various projects
Fees for water, sewer, gas, or electric service	Y	Water and sewer
Impact fees for homebuyers or new developments/homes	Y	Recreation
Incur debt through general obligation bonds	Y	Various projects
Federal/State Funding	Y	Municipal facilities grant safe routes to school

National Flood Insurance Program (NFIP)

According to FEMA Flood Mapping, the Village of Goshen has three hundred seventy-five (375) parcels located in 100 and 500 year floodplains. These include entire and or partial parcels. The Village has forty-four (44) current National Flood Insurance Program policies; the insurance In-Force (whole \$) is \$12, 165,600. The written premium In-Force for the Village is 72,802. The Village Building Inspector serves as the Floodplain Administrator.

Table 10.2.11j: National Flood Insurance Program (NFIP) Summary FEMA Policy Statistics NY						
Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	Closed Losses	Open Losses	CWOP Losses
Village of Goshen	44	50	\$795,345	33	0	17

There are three (3) residential properties that qualify as repetitive loss properties in the Village of Goshen, none of which qualifies as severe repetitive loss properties.

The Village has been maintaining NFIP participation by performing the duties and actions that were listed in the local laws that their municipal boards adopted (Local Law #1 of 2009). The Village Floodplain Administrator has been provided an NFIP best practices guidance package and will be using it to improve local participation in NFIP standards going forward. This package of documents was provided by NYSDHSES and can be found in Appendix F - NFIP Floodplain Administrator Guidance Package.

Hazard Mitigation: Existing and Planning Mechanisms

Emergency Communications, Routes, and Shelters:

The Village of Goshen and Orange County utilize the CodeRED Emergency Notification System for emergency notifications. The Village follows emergency route rules set by Orange County. The Village has one (1) emergency shelter location: Cataract Fire Station (40 Green St., Goshen, NY 10924). While this is located within the 500-year floodplain, the Village hopes to harden the structure using mitigation action VG-1. More information on these sites can be found in Attachment III.

Comprehensive Plan:

The Village doesn't have a comprehensive plan; however, the Town of Goshen does. The Town's Comprehensive Plan was adopted in 2004 and updated in January 2009. In New York State Municipal Law, Section 272 states the "Town Board shall provide, as a component of such Comprehensive Plan, the maximum intervals at which the adopted plan shall be reviewed." While the adopted Plan did not specify a timeframe for review, the generally accepted standard is every five (5) to the (10) years. The plan discusses existing conditions, comprehensive plans vision and goals, implementations, as well as potential zoning map changes. There is no discussion of mitigation or planning strategies in regards to hazards the Town and Village faces, other than ensuring infrastructure accommodates access for emergency personnel and services.

Planning Mechanisms:

While this annex has provided a summary and description of existing plans, policies, and regulatory mechanisms that support hazard mitigation, the 2018 Orange County Hazard Mitigation Plan Update is intended to allow for the integration of its recommendations and data into local plans. Listed below are several planning and policy mechanisms that lend themselves to the integration of materials and objectives from this hazard mitigation plan. Columns to the right indicate whether the municipality has utilized hazard mitigation planning elements in the

past (as in the aftermath of a previous local hazard mitigation plan) and whether they intend to be utilized in the future (which most, if not all, do).

Table 10.2.11k: Incorporation of Hazard Mitigation Planning into Existing and Future Planning Mechanisms		
Planning Mechanism	Has been Utilized	May be Utilized
Capital Improvement Budget: Hazard Mitigation Actions to be considered during the development of annual capital improvement plans. Compliance with Hazard Mitigation goals and objectives as well as the hazard vulnerability of site will be a consideration during the evaluation of infrastructure and facilities projects.		X
Operating Budget: Hazard Mitigation Actions to be considered within day-to-day operating budgets as funding permits.		X
Building & Zoning Ordinances: Review of the hazard mitigation plan and hazard analyses are part of the evaluation of land use, zoning, and development review ordinances and permitted processes.		X
Comprehensive Land Use Plan: Elements such as hazard vulnerability and hazard area extents will be considered during the development of future land use maps and other elements of comprehensive planning.		X
Human Resource Manual: Employee job descriptions may contain elements related to hazard mitigation planning and associated recommendations.		X
Grant Applications: Support for funding requests in the form of data, maps, and priority recommendations will be drawn from the hazard mitigation plan.		X
Fire Plan: Fire Plans for the municipality and local fire departments can utilize data and mapping in the hazard mitigation plan.		X
Local School Service Projects: Municipal officials and staff can explore the possibility of collaboration with local school districts to provide avenues for student community service projects as well as educational opportunities.		X
Economic Development: Local chambers of commerce and other economic development agencies can utilize the hazard mitigation plan to better inform new/expanding businesses in finding a location.		X

Summary

The Village will utilize this Hazard Mitigation Plan to inform capital improvements plans and emergency management planning by advancing a list of potential mitigation actions, including but not limited to improvements to infrastructure, emergency response, and public awareness.

10.2.11.5 Mitigation Strategy and Prioritization

Past, Completed, and Ongoing Initiatives

The Village has not identified any past, complete or ongoing initiatives.

Proposed Initiatives

Table 10.2.11: Mitigation Actions/Projects Identified			
Action	Description	Involved Agency(ies)	Funding Source(s)
VG-1	Culvert clean-out/Culvert right sizing and or replacement	Village DPW	NYS DEC CDBG via Orange County FEMA Hazard Mitigation Grant Program
VG-2	Generator Replacement 1 (Police Department)	Village DPW	CDBG, FEMA Hazard Mitigation Grant Program, GOSR
VG-3	Generator Replacement 2 (DPW)	Village DPW	CDBG, FEMA Hazard Mitigation Grant Program, GOSR
VG-4	Generator Replacement 3 (Senior Center)	Village DPW	CDBG, FEMA Hazard Mitigation Grant Program, GOSR
VG-5	Acquire Properties	Village Board	FEMA Hazard Mitigation Grant Program

STAPLEE forms were completed for each of these actions. A table with these evaluations can be found in Attachment II of this jurisdictional annex.

“STAPLEE” refers to the following lenses of evaluation: social, technological, administrative, political, legal, economic, and environmental.

Future Needs

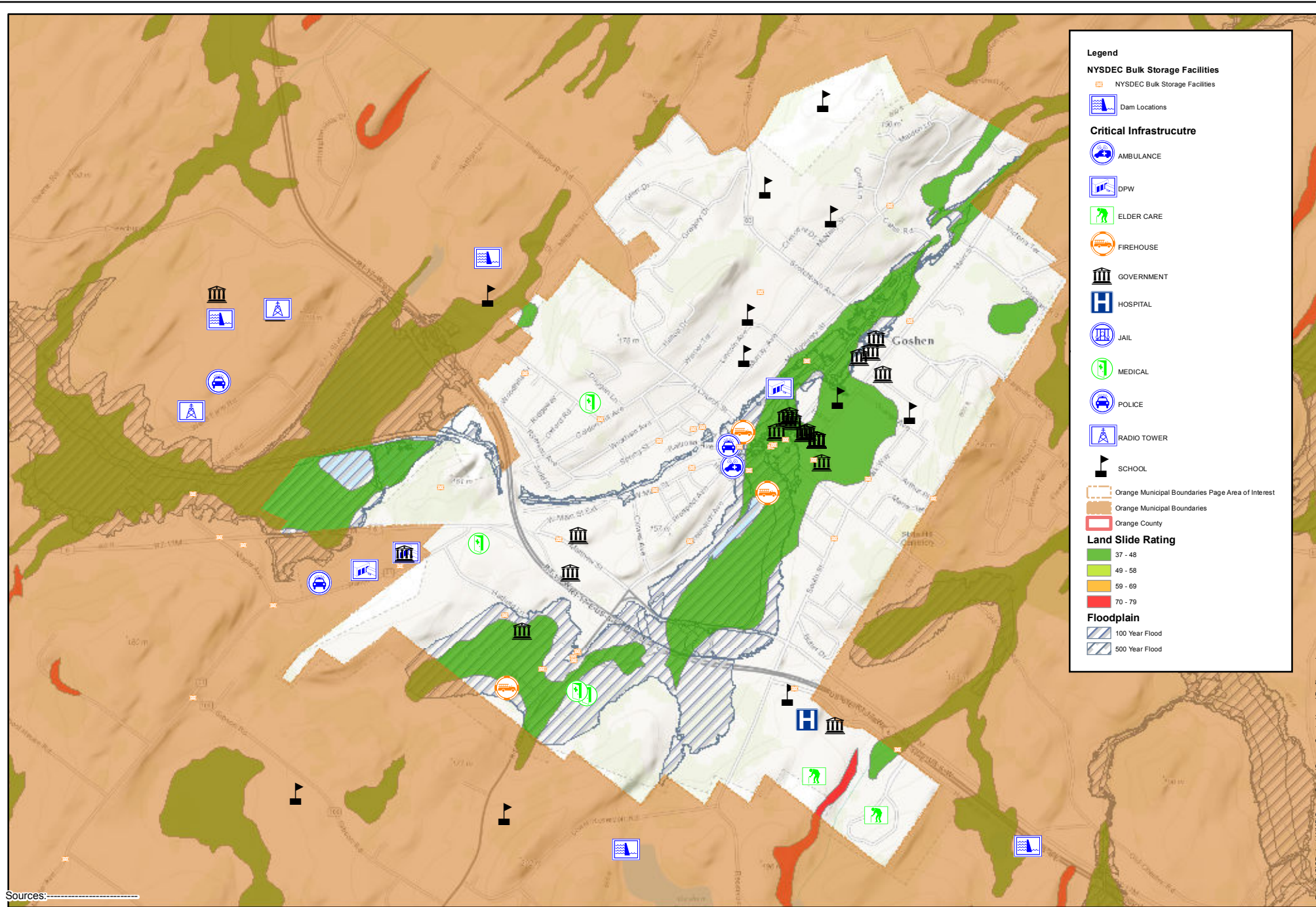
The Village has not identified any future needs.

10.2.11.6 Hazard Area Extent and Location

A map demonstrating the location of certain hazard areas is attached as Attachment I.

Attachment I

**Hazard Area Extent and Location Map -
Village of Goshen**



Legend

NYSDEC Bulk Storage Facilities

- NYSDEC Bulk Storage Facilities

Dam Locations

- Dam Locations

Critical Infrastructure

- AMBULANCE
- DPW
- ELDER CARE
- FIREHOUSE
- GOVERNMENT
- HOSPITAL
- JAIL
- MEDICAL
- POLICE
- RADIO TOWER
- SCHOOL

Orange Municipal Boundaries Page Area of Interest

- Orange Municipal Boundaries
- Orange County

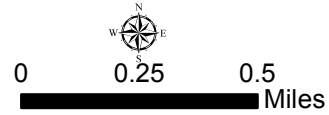
Land Slide Rating

- 37 - 48
- 49 - 58
- 59 - 69
- 70 - 79

Floodplain

- 100 Year Flood
- 500 Year Flood

Sources: _____



Path: C:\Users\jgarcia\Documents\Orange County\Orange County Hazard Mitigation Plan

Attachment II

STAPLEE Mitigation Action Cost/Benefit Analysis - Village of Goshen

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction: Village of Goshen

Action ID	Action	S	T	A	P	L	E	E	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
		+ = benefit (favorable), - = cost (unfavorable), 0 = neutral or N/A											Levels = high, medium, or low	
VG-1	Village-wide Culvert Clean-out plus Culvert Right-sizing or Replacement	+	+	-	+	+	-	+	-	+	-	High	High	Medium
VG-2	Generator Replacement - Install new emergency generators at Goshen Police HQ	+	+	0	+	+	-	0	0	+	-	High	Medium	High / Medium
VG-3	Generator Replacement - Install new emergency generators at	+	+	0	+	+	-	0	0	+	-	High	Medium	High / Medium
VG-4	Generator Replacement - Install new emergency generators at	+	+	0	+	+	-	0	0	+	-	High	Medium	High / Medium
VG-5	Acquire Properties - Offer to purchase properties in the flood zone	0	+	0	0	0	-	+	-	0	-	Medium	High	Low

Attachment III

**Hazard Mitigation Worksheets -
Village of Goshen**

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Goshen
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	VG – 2
Name of Action/Project	Generator Replacement
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Install new (20 kW capacity, natural gas generators) emergency generators at Goshen Police Headquarters, the Goshen DPW garage where the generator is currently located within the flood zone & Goshen Senior Center. The Senior Center is identified as an emergency shelter. \$140,000 per generator.
Plan for Implementation	
Responsible Organization	Village DPW
Action/Project Priority	Moderate/High
Potential Funding Sources	CDBG, FEMA HMGP, GOSR
Other assisting organizations, entities, etc.	Village Engineer
Local planning mechanisms to be used in project/action implementation, if any	Likely a component of the local emergency management committee.
Progress Report	
Date of status report	
Report of progress	
Evaluation of effectiveness	

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Goshen
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	VG – 3
Name of Action/Project	Acquire properties within the flood zone
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Offer to purchase properties within the flood zone. This alternative is not being pursued as flooding, particularly that which leads to property damage, is not a frequent occurrence in the Village, many properties are within the Village central business &/or historic district comprising the Village’s primary tax base & cultural center.
Plan for Implementation	
Responsible Organization	Village Board
Action/Project Priority	Low
Potential Funding Sources	CDBG, FEMA HMGP, GOSR
Other assisting organizations, entities, etc.	Village Engineer, Village Attorney
Local planning mechanisms to be used in project/action implementation, if any	None.
Progress Report	
Date of status report	
Report of progress	
Evaluation of effectiveness	

Orange County
Multi-Jurisdictional All Natural Hazard Mitigation Plan
Emergency Shelter Questionnaire

Name of Your Municipality:	<u>Village of Goshen</u>
Common Name of Your Emergency Shelter:	<u>Cataract Fire Station</u>
Street Address of Your Emergency Shelter:	40 Green Street, Goshen, NY 10924
Name of the Owner of Your Emergency Shelter:	<u>Goshen Fire District</u>
Name of the Regular Occupant of Your Emergency Shelter:	<u>Goshen Fire District, Cataract Engine and Hose Co.</u>

Name of Jurisdiction: _____

**RESOLUTION
TO AUTHORIZE THE ACCEPTANCE AND ADOPTION OF THE
MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN UPDATE FOR
ORANGE COUNTY, NEW YORK**

WHEREAS, the Orange County Department of Emergency Services, with the assistance from Barton & Loguidice, D.P.C., has gathered information and prepared the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York; and

WHEREAS, the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York has been prepared in accordance with the Disaster Mitigation Act of 2000 and Title 44 Code of Federal Regulations (CFR), Part 201; and

WHEREAS, Title 44 CFR, Chapter 1, Part 201.6(c)(5) requires each local government participating in the preparation of a Multi-Jurisdictional Mitigation Plan or Plan Update to accept and adopt such plan; and

WHEREAS, the Village of Goshen, has reviewed the 2016 Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, has found the document to be acceptable, and as a local unit of government, has afforded its citizens an opportunity to comment and provide input regarding the Plan Update and the actions included in the Plan;

WHEREAS, the Village of Goshen, will consider the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County during the implementation and updating of local planning mechanisms, and will incorporate the hazard assessment data, hazard vulnerabilities, and mitigation actions in these mechanisms, where applicable;

NOW THEREFORE, BE IT RESOLVED, that the Village of Goshen, as a participating jurisdiction, adopts the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York, dated May 2016.

This resolution was thereupon declared duly adopted on _____.

(Mayor)

(Clerk)