



9.5 VILLAGE OF CHURCHVILLE

This section presents the jurisdictional annex for the Village of Churchville.

9.5.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the primary and alternate points of contact for questions and information on the hazard mitigation plan.

Primary Point of Contact	Alternate Point of Contact
Nancy Steedman, Mayor 23 E Buffalo Street, Churchville, NY 14428 585-293-3720 mayornancy@churchville.net	Paul Robinson, Department of Public Works (DPW) Superintendent 23 E Buffalo Street, Churchville, NY 14428 585-293-3366 paul@churchville.net

9.5.2 Municipal Profile

The Village of Churchville is located in the southwestern quadrant of Monroe County, New York, and it is entirely encircled by the Town of Riga. The Village consists of 1.15 square miles in land area, and 0.018 square mile in water area. The community is located near several major population centers in New York, with the closest being Rochester, followed by Buffalo and Syracuse. The Town of Riga and the Village of Churchville implement natural resource protection initiatives both jointly and independently. According to the last comprehensive plan update, the Village and Town had a combined total of 1,160 acres of floodplain, 2,178 acres of wetlands, 2,940 acres of woodlots, and 392 acres of steep slopes. The Black Creek is the most significant local waterway.

The population of the Village of Churchville was 1,961, according to the 2010 U.S. Census. The majority of Village land is devoted to residential or agricultural purposes, or it is considered vacant land. Much of the Village's key infrastructure already exists, and the Village can increase in population without significantly impacting the need for increased services (discounting more children attending the local school district). By encouraging local growth in the Village, the community can help relieve development pressure on rural and undeveloped lands in the Town of Riga (Comprehensive Plan 2008).

Growth/Development Trends

The following table summarizes recent residential/commercial development from 2010 to the present, and lists any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next 5 years within the municipality. Refer to the maps following Section 9.5.9 of this annex: Figure 9.5-1 illustrates landslide and wildfire hazard areas and Figure 9.5-2 illustrates flood hazard areas.

Table 9.5-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2010 to present					
Baker Street Landing	Res.	64	Baker St south of E Buffalo St	None	Complete
Villas at Churchville	Res.	Planned – 103; To date – 22	Gilman Rd and Washington St	None	In progress
Wilkins RV	Comm.	1 – 44,000 sq. ft.	111 S Main St	None	Complete



Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
Sanford Road North, LLC	Comm.	1-40,625 sq. ft.	Sanford Road North	None	Complete
Known or Anticipated Development in the Next Five (5) Years					
Lotus Green	Res./Comm.	18-25 Concept plan	Not Provided	None	Under Review
Star of the West Milling Company	Ind.	Possible expansion	35 S Main St	None	Under Review

* Only location-specific hazard zones or vulnerabilities identified.

Res. Residential
Comm. Commercial
Sq. ft Square feet

9.5.3 Natural Hazard Event History Specific to the Municipality

Monroe County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0, of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this plan update, to the extent possible, all events that have occurred in the County were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damage is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0, of this plan.

Table 9.5-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
October 27 – November 8, 2012	Hurricane Sandy	EM-3351	Yes	Three localized power failures. Minor tree damage. Lost revenue and overtime. Mutual aid to LIPA
March 12, 2014	Blizzard	N/A	N/A	Overtime costs and fuel
July 28, 2014	Heavy Rain	NA	NO	Underground cable failure. Lost revenue, overtime costs.
May 9, 2015	Severe Thunderstorm	NA	NO	Tree fell into wires. Lost revenue and overtime costs.
May 27, 2015	Severe Thunderstorm	NA	NO	Tree into NG Transformer. Lost revenue and overtime.

9.5.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following section summarizes the hazard vulnerabilities and lists their rankings in the Village of Churchville. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

Table 9.5-3 presents the hazard risk/vulnerability rankings of potential hazards for the Village of Churchville. The hazards of concern for the Village are those with a High hazard ranking.



Table 9.5-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Landslide	Exposed: \$920,696,714	Frequent	48	High
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Utility Failure	Damage Estimate Not Available	Frequent	39	High
Extreme Temperature	Damage Estimate Not Available	Frequent	36	High
Infestation	Damage Estimate Not Available	Frequent	36	High
Severe Winter Storm	1% Damage Loss Estimate: \$5,286,945 5% Damage Loss Estimate: \$26,434,725 10% Damage Loss Estimate: \$52,869,449	Frequent	36	High
Earthquake	100-year MRP GBS: \$0 500-year MRP GBS: \$3,337,624 2,500-year MRP GBS: \$43,698,110 Annualized: \$54,071	Frequent	30	Medium
Flood	1% annual chance: \$14,423,636	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Civil Unrest	Damage Estimate Not Available	Occasional	12	Low
Drought	Damage Estimate Not Available	Frequent	12	Low
Hazardous Materials	Damage Estimate Not Available	Occasional	12	Low
Wildfire	Exposed Value in the WUI: \$0	Frequent	3	Low

Notes:

- Building damage ratio estimates were based on FEMA 386-2 (August 2001)
- The valuation of general building stock and loss estimates was based on custom inventory for the municipality.
High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 15-30
Low = Total hazard risk ranking below 15
- Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- Loss estimates for the flood and earthquake hazards represent both structure and contents.
- The HAZUS-MH earthquake model results are reported by Census Tract.

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Churchville.

Table 9.5-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in the 1% Flood Boundary (3)
Churchville (V)	8	0	\$0	0	0	4

Source: FEMA Region 2 2015

Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of June 30, 2015 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 6/30/15.

Note (2) Total building and content losses from the claims file provided by FEMA Region 2.

Note (3) The policies inside and outside of the flood zones are based on the latitude and longitude provided by FEMA Region 2 in the policy file. Number in the floodplain was determined using the 2007 Effective DFIRM 1% annual chance flood boundary.

Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.



Critical Facilities

The table below presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of 1 percent and 0.2 percent annual chance flood events.

Table 9.5-5. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event	
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage
None identified.					

Source: Monroe County; HAZUS-MH 2.2; FEMA 2015

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.2 User Manual).

Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within their community:

- The Village of Churchville has noted an increase in Severe Storms, HazMat (in transit), Winter Storms, Utility Failures, and Explosions in the last five years; the Village has noted a decrease in structural collapses.
- Several recorded floods (1950, 1956, 1960, and 1963) have occurred along Black Creek. The bridges and many bends in the creek, as well as its lining of heavy brush, weeds, and large trees growing in the creek bed, aggravate flooding (FEMA FIS 2008).

9.5.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capabilities
- Administrative and technical capabilities
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

Planning and Regulatory Capabilities

Table 9.5-6 summarizes the regulatory tools that are available to the Village of Churchville.



Table 9.5-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. / Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Master Plan	2008	Local	Town of Riga and Village of Churchville (VOC)	Town of Riga and Village of Churchville 2008 Joint Comprehensive Plan
Capital Improvements Plan	2015	County	County	2015 Capital Improvements Plan (CIP)
Floodplain Management / Basin Plan	1996, 2015	Local NYS	VOC NYS	Chapter 62, Code of VOC
Stormwater Management Plan	2000, 2015	Local NYS	DES, County, Stormwater Coalition	IMA signed 4/2015, member since 2000
Open Space Plan	2007	Local	VOC	A community-based vision plan VOC 2007
Stream Corridor Management Plan	2015	Local	NYS DEC	Black Creek Watershed Management Plan, G/FL Planning Council
Watershed Management or Protection Plan				
Economic Development Plan	2007	Local	VOC	Community-Based Vision Plan, 2007
Comprehensive Emergency Management Plan		County	Monroe County OEM	
Emergency Response Plan	2000	Local	VOC	VOC Disaster Plan
Post-Disaster Recovery Plan	No			
Transportation Plan	No			
Strategic Recovery Planning Report	No			
Other Plans:	N/A			
Regulatory Capability				
Building Code	1984	Local	BI/CEO	Chapter 38, Code of the VOC
Zoning Ordinance	2007	Local	BI/CEO	Chapter 108, Code of the VOC
Subdivision Ordinance	2011	Local	PB/ZBA/BI/CEO	Chapter 92, Code of the VOC
NFIP Flood Damage Prevention Ordinance	1996	Local	BI	Chapter 62, Code of the VOC
NFIP: Cumulative Substantial Damages	Yes	NYS Local		
NFIP: Freeboard	Yes	State, Local		State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No			
Site Plan Review Requirements	Yes	Local	PB	Development Guidelines, 1998
Stormwater Management Ordinance	Yes	County	County	
Municipal Separate Storm Sewer System (MS4)	Yes	DEC	Stormwater Coalition	Voluntary



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. / Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Natural Hazard Ordinance	No			
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	Yes			NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other (Special Purpose Ordinances, such as sensitive areas, or steep slopes)	Yes	Local	BI/CEO	Code 78 (Property Maintenance)

Administrative and Technical Capabilities

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

Table 9.5-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Y	Planning Board, ZBA
Mitigation Planning Committee	Y	Mayor, DPW Superintendent
Environmental Board/Commission	N	
Open Space Board/Committee	N	
Economic Development Commission/Committee	N	
Maintenance Programs to Reduce Risk	N	
Mutual Aid Agreements	Y	Town of Riga, Churchville-Chili Central School District (CCCS), Municipal Electric Utilities Association of New York State (MEUA)
Technical/Staffing Capability		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Planning Board, Village Engineer
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Building Inspector
Planners or engineers with an understanding of natural hazards	N	
NFIP Floodplain Administrator	Y	Code Enforcement Officer, Village of Churchville (VOC) Code, Chapter 62-4
Surveyor(s)	N	
Personnel skilled or trained in GIS and/or HAZUS-MH applications	Y	DPW GIS
Scientist familiar with natural hazards	N	
Emergency Manager	N	
Grant Writer(s)	Y	VOC and external contractor
Staff with expertise or training in benefit/cost analysis	Y	Village Treasurer
Professionals trained in conducting damage assessments	-	



Fiscal Capability

The table below summarizes financial resources available to the Village of Churchville.

Table 9.5-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes, Eligible to use
Capital Improvements Project Funding	Yes, Eligible to use
Authority to Levy Taxes for specific purposes	Yes, Eligible to use
User fees for water, sewer, gas or electric service	Yes, sewer and electric service only
Impact Fees for homebuyers or developers of new development/homes	Yes, accessible
Stormwater Utility Fee	TBD
Incur debt through general obligation bonds	Yes, eligible to use
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	Grants, as available
Open Space Acquisition Funding Programs	No
Other	N/A

Community Classifications

The table below summarizes classifications for community program available to the Village of Churchville.

Table 9.5-9. Community Classifications

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	N	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	N	N/A	N/A
Public Protection (ISO Fire Protection Classes 1 to 10)	Y	Class 4	-
Storm Ready	Y	StormReady County	-
Firewise	N	N/A	N/A
Disaster/Safety Programs in/for Schools	Y	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	N	N/A	N/A
Public Education Program/Outreach (through website, social media)	Y	-	-
Public-Private Partnerships	N	N/A	N/A

N/A = Not applicable.

- = Unavailable.

The classifications listed above relate to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery, and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS classification applies to flood insurance while the BCEGS and Public Protection classifications apply to



standard property insurance. CRS classifications range on a scale of 1 to 10, with Class 1 being the best possible classification and Class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinator's Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <http://www.stormready.noaa.gov/become.shtml>
- The National Firewise Communities website at <http://firewise.org/>

Self-Assessment of Capability

The table below provides an approximate measure of the Village of Churchville's capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.5-10. Self-Assessment Capability for the Municipality

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)*	Moderate	High
Planning and Regulatory Capabilities			X
Administrative and Technical Capabilities		X	
Fiscal Capability	X: \$\$, Staffing, Tax Cap, Tax Freeze		
Community Political Capability			X
Community Resiliency Capability		X	
Capability to Integrate Mitigation into Municipal Processes and Activities		X	

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Building Inspector and Code Enforcement Officer

Flood Vulnerability Summary

The Village of Churchville maintains an inventory of properties that have been flood damaged. Village records indicate that three structures were impacted by Hurricane Sandy when trees fell into power lines, causing brief interruptions of power. The Village has the capacity to make substantial damage assessments but did not need to declare any for this situation. The Village is not aware of any property owners interested in mitigation activities.

Resources

The Floodplain Administrator is the primary person assuming the responsibilities of floodplain administration; however, he is supported by the Department of Public Works (DPW) superintendent and other staff, as needed.



Doug Scarson, Building Inspector, provides NFIP administration services and functions, including permit review, inspections, damage assessments, record-keeping, and GIS. Currently, no education or outreach programs are being offered to the community regarding flood hazards/risk or flood risk reduction through NFIP insurance or mitigation.

The Floodplain Administrator does not report any barriers to running an effective floodplain management program in his community. However, at this time, he does not feel adequately supported and trained to fulfill his responsibilities as the municipal floodplain manager. The Floodplain Administrator expressed interest in attending continuing education and/or certification training on floodplain management if it were offered in the County for all local floodplain administrators.

Compliance History

As of June 30, 2015, eight policies are in force, four of which are within the 100-yr flood boundary. There are no repetitive loss or severe repetitive loss properties in the Village. Since 1978, 0 claims have been paid within the Village of Churchville. According to the NFIP Policy Statistics report available at the time of this plan, the policies in the Village insured \$1.717 million of property with total annual insurance premiums of \$6,197. The Floodplain Administrator is unaware of any outstanding NFIP compliance issues in the community, and does not know when the most recent Community Assistance Visit (CAV) was completed.

Regulatory

The Village's Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated in June 2008 and is found in Chapter 62 of the local code. Floodplain management regulations and ordinances meet the FEMA and New York State minimum requirements, and do not exceed these requirements.

Other local ordinances, plans, and programs support floodplain management and meet NFIP requirements in the Village of Churchville, including the planning and zoning board reviews of development applications to consider efforts to reduce flood risk.

Community Rating System

The Village of Churchville does not participate in the Community Rating System (CRS) program.

Other Capabilities Identified

Previous actions taken, which are now ongoing programs and capabilities, are described below. Refer to Table 9.5-11 presented later in this annex.

- The Village Board, Building Inspector, and DPW Superintendent comply with and enforce all applicable federal and state regulations. Emergency plans are also reviewed and posted in visible locations. The DPW Superintendent and Building Inspector administer the Village's floodplain management program, and the DPW Superintendent participates for the Village in the Monroe County Stormwater Coalition.
- The Village Clerk and support staff also engage emergency services in local municipal government processes to enhance operations. The Village Clerk also updates the local website, as needed.
- The Village Board regularly reviews local laws. Along with the DPW Superintendent and Village Clerk, the Village Board also collaborates with the Monroe County Sheriff and NYS Police, as needed, on legal surveillance and threat assessment needs.
- The Village Board, DPW Superintendent, and Clerk secure and provide redundant critical systems and facilities, including off-site data backup and storm sewer and sanitary improvements.



- The Village DPW and Electrical Department stockpile emergency supplies and maintain a higher inventory, solicit mutual aid agreements, and review utility service restoration plans. The Electrical Department provides services for the Village's tree trimming, tree removal, and new plantings for its urban forests program.
- The Village DPW ensures the proper disposal of hazardous waste, and the DPW Superintendent ensures that drainage structures are inspected annually. The DPW also identifies critical circuits and service providers.
- The Churchville Volunteer Fire Department continues to provide emergency medical services to the community. They also schedule annual campaigns for fire prevention at schools, community functions, and public facilities. Other ongoing capabilities include:
 - Encouraging residential use of smoke detectors
 - Planning, designing, and developing on-site specialized emergency fire training
 - Providing special operations and tactical rescue training on Black Creek at least twice a year
 - Enhancing personnel emergency notification through the "I am responding" radio system

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

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

Planning

Land Use Planning: The Village of Churchville has a Planning Board and Zoning Board of Appeals which review all applications for development and consider natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS State Environmental Quality Review Act (SEQR) and federal NEPA requirements. Additionally, the Village has a non-regulated stormwater management program, which is maintained on a volunteer basis. Associated plans identify actions to mitigate stormwater volume and flooding.

Town of Riga and Village of Churchville Comprehensive Plan, 2008: The Village of Churchville and Town of Riga completed a joint comprehensive plan update in 2008 to address changes, since the previous update was completed in 1988. Part of the 2008 update included the identification of natural hazard risk areas and environmentally sensitive areas, such as wetlands, floodplains, waterways, steep slopes, woodlots, prime agricultural soils, and open space/farmland, as well as land use and zoning recommendations for managing risks and directing growth. Relevant objectives in the Comprehensive Plan include:

1. Protect the community's natural resources.
2. Ensure that future development activities protect and sustain our environment.
3. Reduce, reuse, and recycle appropriate materials.
4. Identify contaminated sites.
5. Focus stewardship efforts on the health of Black Creek.
6. Develop a strategy to address the increasing drainage problems.

Community-Based Vision Plan, 2007: The Village developed urban design plans to reflect the revitalization goals for the community. These goals include targeting neighborhoods, the central business district, and the open and agricultural spaces around the Village. In the urban designs, the Village considers floodplain regulations for open spaces and parkland.



Regulatory and Enforcement

Building Code Administration Chapter 38: The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The Village complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

Flood Damage Prevention Chapter 62: This chapter promotes the public health, safety, and general welfare of residents, and seeks to minimize public and private losses due to flood conditions. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

Subdivision of Land Regulations Chapter 92: The Village's Planning Board is tasked with site plan/subdivision review. The Planning board pays special attention to ensure that developments mitigate the issues associated with stormwater, flooding, and steep slopes.

Zoning Chapter 108: The Village's zoning code includes districts and standards pertaining to ensuring resident and property safety. While the zoning code does not explicitly focus on hazard areas, it does promote the continued wellbeing of residents.

Fiscal

Operating Budget: The Village's operating budget contains minimal provisions for expected repairs such as snow removal and infrastructure repair after a storm or natural disaster. Additionally, it also budgets for mitigation-related projects and capital improvements.

Education and Outreach

Village of Churchville staff attend trainings and classes sponsored by Monroe County Department of Planning and Development, Monroe County Office of Emergency Management, or by state and federal agencies, as able and in order to meet all professional requirements. Village emergency responders also have the option to attend courses at the Monroe County Public Safety Training Facility.

The Village issues a newsletter in the spring/summer and fall/winter to inform residents about important notices in the community. The Village can also use this newsletter to provide hazard education information, when appropriate. The Village sends notifications as a supplement in the monthly utility bills. In addition, residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

9.5.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

Table 9.5-11 indicates progress on the community's mitigation strategy identified in the 2010 Plan. 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 ongoing 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 9.5-11. Past Mitigation Initiative Status

2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
ES-3: Establish an active Recruitment and Retention (of providers) Program.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
ES-4: Stockpile emergency supplies.	DPW Electric Dept.	In Progress	10% complete/tax payers 30% complete/tax payers	Discontinue; Project completed	Retain higher inventory; Describe in 2017 HMP as ongoing operational capability
ES-5: Solicit "Mutual Aid" agreements.	DPW Electric Dept.	Complete Complete	Through mutual aid with County municipalities Through MEUA	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
ES-6: Engage emergency service jurisdictions in local municipal government processes.	Supt./Clerk and support staff	In Progress	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
NRP-1: Ensure proper disposal of hazardous waste.	DPW/CME	Complete	100% both departments have procedures in place	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure.	BI/CEO	Complete	100% local budget	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure.	BI/CEO	Complete	100% all departments are aware of applicable codes and apply/enforce as necessary	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure.	DPW Supt and BI/CEO	In Progress	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
NRP-5: Maintain "Urban Forests."	Electrical Dept.	In Progress	Tree trimming and removal. New plantings	Discontinue	Describe in 2017 HMP as ongoing operational capability
PEA-3: Review Utility Service & restoration plans.	Electric Dept. DPW Supt.	Complete	100% CME and DPW have an active service restoration local plan	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
PEA-4: Identify and utilize a "Speakers Bureau."	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PP-1: Identify "special hazard" areas.	N/A	N/A	CSX Rail Road (Chemical, Petro) Start of the West Milling Company (Dust Explosion) I490 Transportation Corridor	Discontinue	Describe in 2017 HMP as ongoing operational capability
PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure.	DPW/Electric Supt.	In Progress	Pole replacement, new conductors, flushing and cleaning sewers, ditching, tree trimming. 60% Tax Cap limitations	Include in 2017 HMP	Update with specific public infrastructure locations. Projects will be reworded to focus on specific locations and will not use this exact language.
PP-3: Solicit inter-municipal and inter-agency cooperation.	DPW/CME	In Progress	Inter-municipal and inter-agency in place for Monroe County and MEUA	Include in 2017 HMP	Include in 2017 HMP as project for Ridgefield Drive pump station flood protection.



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PP-5: Property acquisition	Village Board	In Progress	N/A	Include in 2017 HMP	15 Willowbank Drive. Vacant property to use as hammer-head turnaround for large vehicles including fire, snow removal, etc.
PR-1: Enforce Building Code as required for existing and new infrastructure.	Building inspector	Complete	Adopt all NYS building codes	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
PR-2: Comply with applicable federal and state regulations.	Village board, building inspector, DPW supt.	Continual	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
PR-5: Regular review of Local Laws	Village Board	Continual	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
SP-1: Disaster “proof” public facilities. This may pertain to existing and/or new infrastructure.	Village Board, DPW Supt and Clerk	N/A	N/A	Include in 2017 HMP	Include in 2017 HMP as project for Ridgefield Drive pump station flood protection.
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing and/or new infrastructure.	Village Board, DPW Supt and Clerk	Continual	Generator back up system. Offsite data backup, Sanitary and storm sewer improvements. Use RGE specs for electrical distribution system	Discontinue	Describe in 2017 HMP as ongoing operational capability



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
SP-3: "Target Harden" facilities. This may pertain to existing and/or new infrastructure.	Village Board and DPW Supt	In Progress	Gates and fences installed CCTV monitoring, alarm system. Additional lighting 80%	Include in 2017 HMP	Include in 2017 HMP as project for Churchville Municipal Electric Substation on Sanford Road.
SP-4: Expand fiber telecommunications networks.	Electrical Dept., DPW Supt	In Progress	Fiber installed to connect office, DPW garage and substation. Some conduit for future needs 50%	Include in 2017 HMP	Adjust wording to focus on completing requirements to go from 50% to complete.
Dam-PEA-1: Churchville Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-ES-2: Local Project. Continue to provide Emergency Medical Services to the community. The Churchville Volunteer Fire Department is the first responder agency to all medical emergencies in our community.	Churchville Volunteer Fire Department	On going	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
Fire-PEA-2: Local Project. Churchville Volunteer Fire Department develops and schedules an annual campaign for Fire Prevention at schools, community functions, and public facilities using its interactive displays.	Churchville Volunteer Fire Department	In Progress – on going	N/A	Discontinue	Describe in 2017 HMP as ongoing operational capability
Fire-PP-1: Encourage residential use of smoke detectors through public education, and "give away" programs. This may pertain to existing and/or new infrastructure.	BI/CEO, Churchville Volunteer Fire Department	New construction complete On going	New construction and rental properties ensure working CO and Fire detector for C of O	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.	Churchville Volunteer Fire Department	In Progress – on going.	Fire training building complete. Roof simulation next step	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	Churchville Volunteer Fire Department	In Progress – on going.	Training on Black Creek at least two times a year	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-ES-4: Churchville Project. Enhance Fire Department Personnel Emergency Notification	Churchville Volunteer Fire Department	In Progress – on going	Now using “I am responding” radio system	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-ES-5: Churchville Project. Provide water rescue training and equipment e.g. Wet Suits and associated equipment.	Churchville Volunteer Fire Department	Completed	Purchased dry suits and associated equipment. 100%	Discontinue	Project completed
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-5: Local Projects with the U.S. Army Corps of Engineers, “Risk Management Program.” Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting, 7.29.08).	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-PR-1: Implement an annual, "Waterway/Drainage Maintenance" Program	DPW Supt	In Progress	Drainage structures inspected annually. Repairs and improvements budgeted. NYS tax cap severely inhibits ability.	Discontinue	Describe in 2017 HMP as ongoing operational capability
FI-SP-1: Local Project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer's 2003 proposal, and as agreed by local parties. (reference – Democrat & Chronicle, 3-2-03). This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-SP-2: Local Project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing and/or new infrastructure.	DPW Supt.	In Progress	Participant in MC Stormwater Coalition	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	DPW Supt	Complete	Purchase chain saws, brush chipper, clam buckets, backhoe, and rain gear. 100%	Discontinue	Project completed
Ice-ES-2: Regularly review restoration priorities	DPW Supt	Complete	Identify critical circuits and service providers. E.g., Fuel, food, school	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-ES-3: Enhance utility "Town Liaison" Program	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-NRP-1: Churchville Project. Replace trees (forestation) in Village of Churchville that were destroyed by various storm events.	DPW Supt, Village Board	In Progress	Damaged trees removed 90% New trees planted 89% Identify areas for plantings 75%	Include in 2017 HMP	Adjust wording to focus on completing remaining major areas of need.



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-PEA-2: Develop alternate communications plan	DPW Supt and Village Board	No progress	Join County wide radio system. Funding	Discontinue	County project
Ice-PEA-3: Provide automated utility restoration schedule to the public	DPW Supt and Village Board	In Progress	Discussions ongoing. Capabilities assessed 10%	Include in 2017 HMP	Adjust wording to focus on assessing capabilities and eventually incorporating this as an ongoing action.
Ice-PEA-4: Provide more public outreach during an emergency	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-6: Expand information available on websites	Village Board, Clerk	In Progress	Discussions ongoing. Capabilities discussed. Updates as needed.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing and/or new infrastructure.	Village Board, DPW Supt, BI/CEO, Office Staff	In Progress	All residents and community. Customers are encouraged to arrange for backup power supply.	Discontinue	Describe in 2017 HMP as ongoing operational capability
Ice-PR-1: Implement an "Annual, Tree/Stream Maintenance Program"	DPW Supt	Complete	Annual tree trimming. Assessments bi annually	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing and/or new infrastructure.	DPW Supt	In Progress	All new construction is required to be underground. 40% Ridgefield Drive lift station may require modifications	Include in 2017 HMP	Reword to focus on getting new construction required to have underground utilities from 40% to complete.



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
					Consider new action for modifying Ridgefield Drive Lift.
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	DPW Supt	In Progress	Plans and equipment in place. Disposal. Plan with Waste Management needs of addressing in event of debris from structure damage.	Include in 2017 HMP	Update wording to show update to plan to include information on addressing debris from structural damage.
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health care facilities and elderly housing facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure.	Village board, DPW Supt	Complete	Backup generator at office, DPW, lift stations and fire department	Discontinue	Project Completed
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, "Call Before You Dig."	DPW Supt, Clerk and staff	Complete	Advise all residents to call 811 for all digs - it is required. Provide literature at Village office	Discontinue	Project Completed
Land-PR-1: Local Project. Enact Local Laws: to restrict development on steep slopes; to require property owners and/or mine operators to rehabilitate open mines at closing. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
SC-PR-1: Local Project. Enact Local Laws that require property owners to demolish and remove unsafe structures from their property(ies). This may pertain to existing and/or new infrastructure.	BI/CEO	Complete	Enforce existing codes and property maintenance laws, patrolling. Communication.	Discontinue	Describe in 2017 HMP as ongoing operational capability



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Terr-PP-1: Implement a strategy to “target harden” critical and public facilities. This may pertain to existing and/or new infrastructure.	Village board, DPW Supt	In Progress	Installation of alarms, gates, cameras and lighting 75% Fencing. Funding. Local budget grant	Include in 2017 HMP	Reword to show current status. Consider combining with earlier related action.
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	Village board, DPW Supt, Clerk	In Progress	Work with Monroe County Sheriff and NYS Police as needed	Discontinue	Describe in 2017 HMP as ongoing operational capability
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	DPW Supt and Clerk	In Progress	Post emergency evacuation plans and place first aid kits and AED	Discontinue	Describe in 2017 HMP as ongoing operational capability
Terr-PR-3: Schools Project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Util-ES-1: Local Projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing and/or new infrastructure.	Village Board and DPW Supt	Complete	Fueling station is on back-up lighting and electric gate is on back-up generator	Discontinue; Project completed	Describe in 2017 HMP as ongoing operational capability
Util-PP-1: Local Utilities Project. Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g.	Village board and DPW Supt	No progress	CME does not generate power. Power is supplied by National Grid. It may be possible to be supplied by the Mill Seat Landfill. No	Discontinue	Not currently a target area for Village.



2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
August 14, 2003. This may pertain to existing and/or new infrastructure.			discussions or plans to date.		
WSC-PR-1: Provide redundant back-up power supply for public supply treatment facilities and system pump stations. This may pertain to existing and/or new infrastructure.	Village board and DPW Supt.	No progress	Purchase portable generators capable of running lift stations and critical building in the event that an existing backup generator fails. \$\$ and Tax Cap.	Continue in 2017 HMP	Locate funding.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Village of Churchville has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2010 Plan:

- None at the time of this update

Proposed Hazard Mitigation Initiatives for the Plan Update

FEMA Region II led a meeting for all Monroe County municipalities in November 2015 to discuss the purpose, goals, and long-term benefits of identifying mitigation actions to include in the updated HMP. FEMA provided handouts on creating a functionally diverse jurisdictional planning team, guidance for identifying integration actions, and guidelines for completing an action worksheet for jurisdictions to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards.

Additionally, Monroe County hosted two Annex Workshops in December 2015 to assist municipalities in completing their jurisdictional annexes, including identifying mitigation projects and developing action worksheets. All jurisdictions were provided with a set of sample mitigation actions that satisfied County goals of addressing all hazards and representing all six CRS categories, along with a refresher instruction sheet on how to complete an action worksheet, and an example of a completed action worksheet.

In January, Monroe County jurisdictions were provided with the results of the municipal risk assessment to further assist them in the development of their mitigation strategy. Throughout the planning process, jurisdictions had access to mitigation planners who were available to assist with the development of the jurisdictional annexes, including the mitigation strategy and action worksheets, as necessary.

Table 9.5-12 summarizes the comprehensive-range of specific mitigation initiatives the Village of Churchville 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.' Table 9.5-12 summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.5-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.5-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
VC-1	Disaster-proof Ridgefield Drive Pump Station for flood protection (Ridgefield Drive Lift Station Flood Protection)	Existing	Flood, Utility Failure	2	Village DPW, Churchville Municipal Electric	High	Low	Sewer Reserves, FEMA and federal/state grants (CDBG/CDBG-DR [HUD], PDM [FEMA], HMGP [FEMA], FMA [FEMA]), Electric Rate Payers	Short-Term	High	SIP	PP, ES, SP
VC-2	Harden Churchville Municipal Electric Substation on Sanford Road (East Side Electric Loop)	Existing and New	Severe Storm, Severe Winter Storm, Utility Failure	2	Churchville Municipal Electric	Medium	Medium	Federal/State grants (CDBG/CDBG-DR [HUD], PDM [FEMA], HMGP [FEMA], FMA [FEMA]), Bonding, and Rate Payers	Long-Term	High	SIP	PP, ES
VC-3	Complete fiber optic telecommunications networks expansion project. Currently about 50% complete (fiber installed to connect office, DPW garage, and substation)	Existing	All	3	Electrical Department, DPW	Medium	Medium	Community Connect Program (FCC), Telecommunication Infrastructure Loan Program (FCC)	Short-Term	Medium	SIP	ES
VC-4	Complete remainder of Churchville forestation project (replacement of trees destroyed by various storm events). Remaining needs include: remove damaged trees (10% remaining), plant new trees (11% remaining), and identify areas for planting (25% remaining).	Existing	Severe Storm	2, 5	DPW Superintendent, Village Board	Low	Medium	Environmental Solutions for Communities (National Fish and Wildlife Foundation), CDBG (HUD), Urban And Community Forestry Grants (NY DEC)	Short-Term	Medium	NSP	NR
VC-5	Assess Village capabilities to provide automated utility	Existing and New	Utility Failure	2, 4	DPW Superintendent, Village Board	Low	Low	Staff Time	Ongoing	Low	EAP	PI



Table 9.5-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	restoration schedule to the public and then incorporate as a regular action.											
VC-6	Update DPW/DOT debris management plans to address management of debris from structural damage.	N/A	Severe Storm, Flood, Earthquake, Landslide, Severe Winter Storm, Civil Unrest, HazMat	1, 3	DPW Superintendent	Low	Low	Staff Time	Short-Term	High	LPR	PR, PP
VC-7	Locate and secure funding for redundant power supply for public supply treatment facilities and system pump stations.	New and Existing	Utility Failure	2, 3	DPW Superintendent, Village Board	High	Low	CDBG (HUD), PDM (FEMA), HMGP (FEMA), FMA (FEMA)	Ongoing	High	SIP	PR
VC-8	Creekside Drive Bank Stabilization Study	N/A	Flood (Erosion)	2, 3, 4, 5	Village Board, Planning Board	Medium	High	CDBG (HUD), PDM (FEMA), HMGP (FEMA), FMA (FEMA), Private	Long-term	Low	LPR, NSP	PP, NR
VC-9	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	Existing	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure	1, 3, and 4	Village Clerk	High	Low	Operating budget	OG	High	EAP	PI

Notes:

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

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.



Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
NYS DHSES	New York State Division of Homeland Security and Emergency Services
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	Ongoing program
DOF	Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

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

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

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

Benefits:

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

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

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

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

Mitigation Category:

- **Local Plans and Regulations (LPR)** – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- **Structure and Infrastructure Project (SIP)**- These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves manmade structures built 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:

- *Preventive 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 structures built 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 9.5-13. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
VC-1	Disaster-proof Ridgefield Drive Pump Station for flood protection (Ridgefield Drive Lift Station Flood Protection)	1	1	1	1	0	1	0	1	-1	1	1	1	1	0	9	High
VC-2	Harden Churchville Municipal Electric Substation on Sanford Road (East Side Electric Loop)	0	1	0	1	0	1	0	1	1	1	1	0	1	1	9	High
VC-3	Complete fiber optic telecommunications networks expansion project. Currently about 50% complete (fiber installed to connect office, DPW garage, and substation)	1	1	0	1	0	1	0	1	1	1	1	0	0	0	8	Medium
VC-4	Complete remainder of Churchville forestation project (replacement of trees destroyed by various storm events). Remaining needs include: remove damaged trees (10% remaining), plant new trees (11% remaining), and identify areas for planting (25% remaining).	0	1	0	1	1	1	0	1	1	1	0	1	0	0	8	Medium
VC-5	Assess Village capabilities to provide automated utility restoration schedule to the public and then incorporate as a regular action.	0	1	1	0	0	0	1	0	1	1	0	1	0	0	6	Low
VC-6	Update DPW/DOT debris management plans to address management of debris from structural damage.	1	1	1	1	1	1	1	0	0	1	1	1	0	0	10	High
VC-7	Locate and secure funding for redundant power supply for public supply treatment	1	1	1	1	1	1	-1	0	1	1	1	0	1	0	9	High



Table 9.5-13. Summary of Prioritization of Actions

Mitigation Action/ Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
	facilities and system pump stations.																
VC-8	Creekside Drive Bank Stabilization Study	0	1	0	1	1	1	-1	1	0	-1	0	-1	1	-1	2	Low
VC-9	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	High

Note: Refer to Section 6, which contains the guidance on conducting the prioritization of mitigation actions.



9.5.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.5.8 Hazard Area Extent and Location

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

9.5.9 Additional Comments

None at this time.



Figure 9.5-1. Village of Churchville Landslide and Wildfire Hazard Area Extent and Location Map

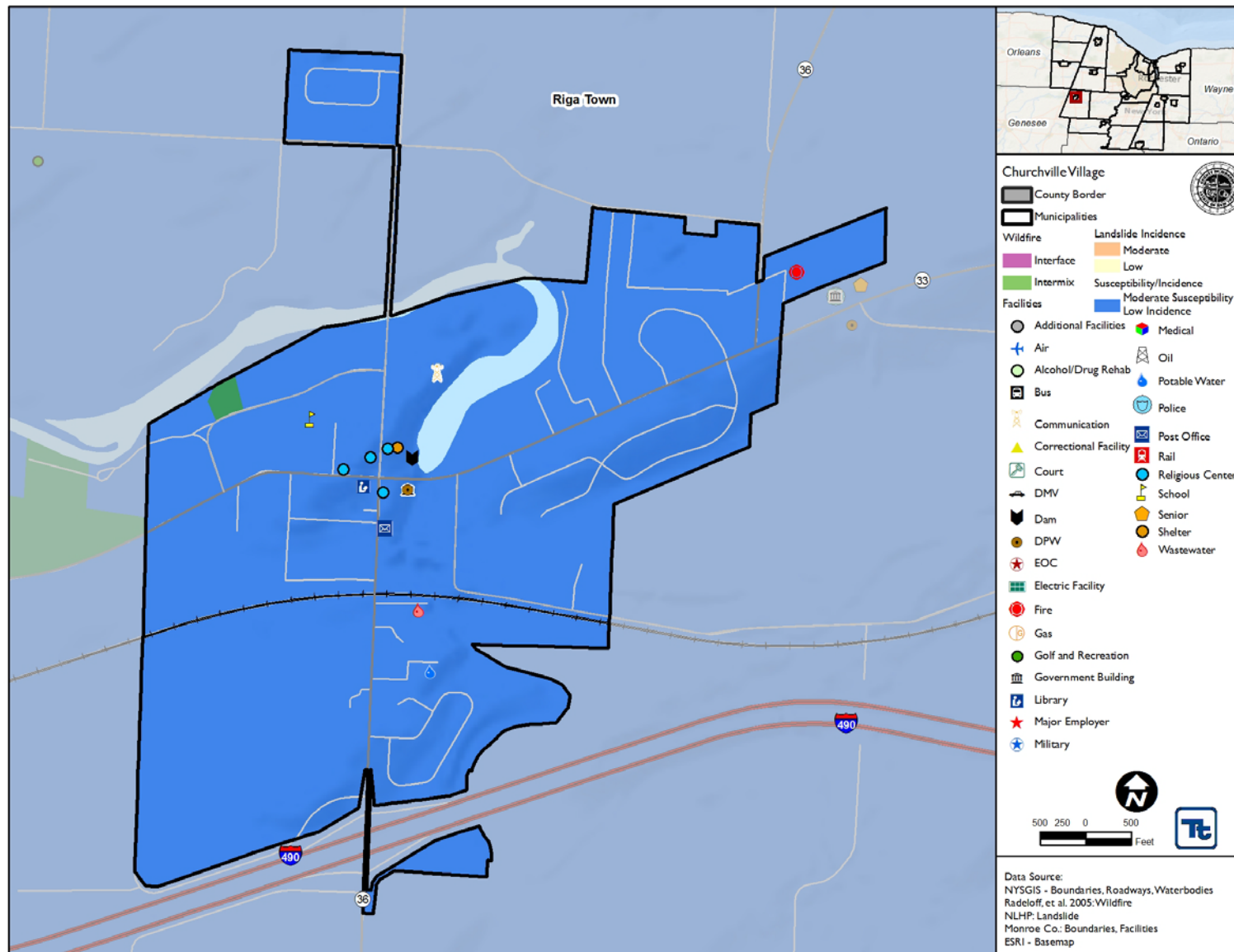
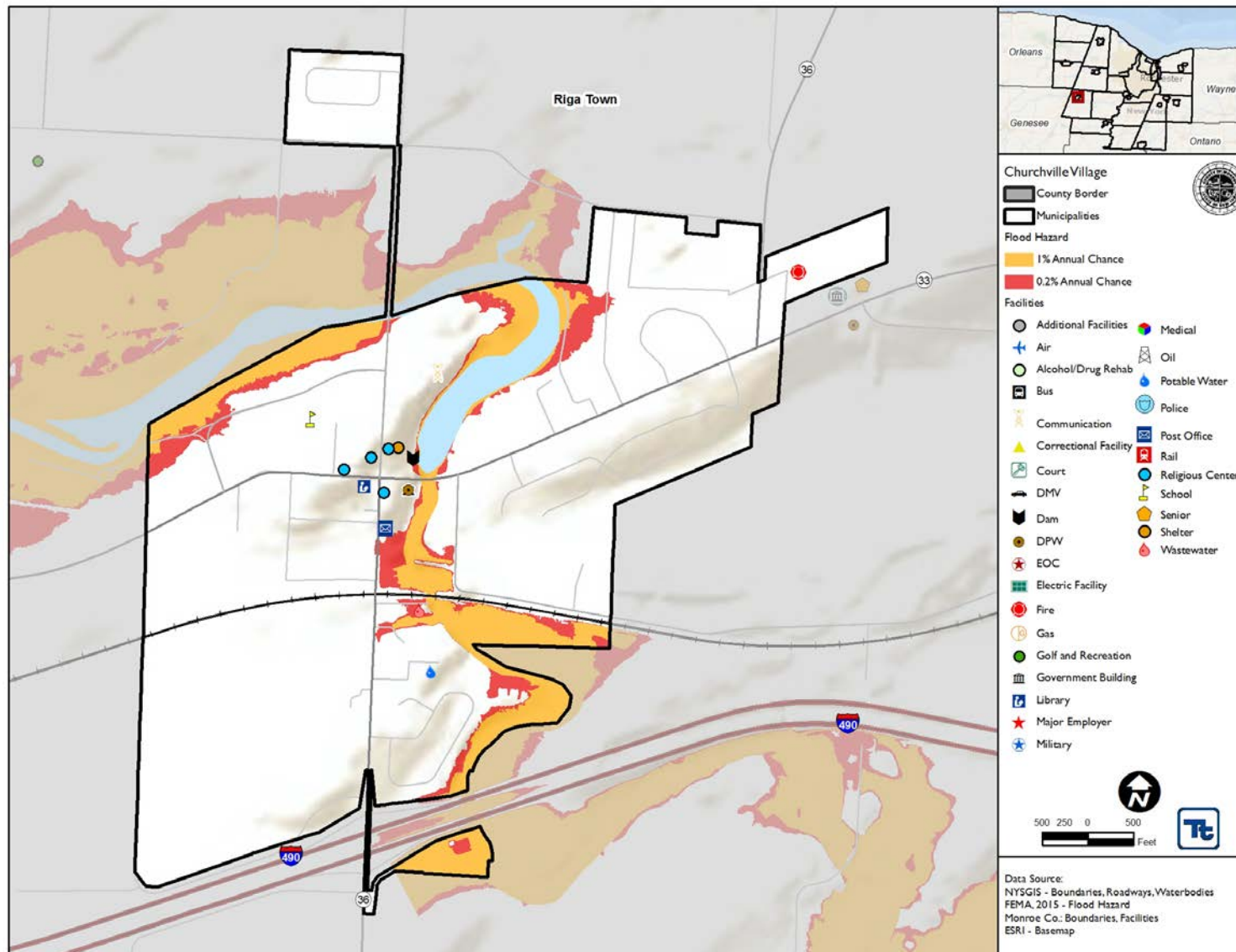




Figure 9.5-2. Village of Churchville Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction:	Village of Churchville
Name and Title Completing Worksheet:	Paul Robinson, Superintendent of Public Works
Action Number:	VC-1
Mitigation Action Name:	Ridgefield Drive Lift Station Flood Protection

Assessing the Risk	
Hazard(s) addressed:	Flooding and Utility Failure
Specific problem being mitigated:	Sanitary sewer pump protection & minimizing flood water infiltration
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Sand Bagging or No Action Sand bagging requires manpower to implement and does not protect against flash flooding. Electrical equipment and transformer would be a total loss in the event of flooding. Sewer service would be disrupted for a large population (350 homes and businesses) until flooding recedes and temporary pumps could be installed
Action/Project Intended for Implementation	
Description of Selected Action/Project	Construct an 18-inch concrete dyke around ground level pump house, and convert electric transformer from URG to overhead
Mitigation Action Type	SIP
Goals Met	Goal 2
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Sewer backups, flooded basements, prevent unsanitary living conditions
Estimated Cost	\$9,000.00
Priority*	High
Plan for Implementation	
Responsible Organization	Village DPW / Churchville Municipal Electric
Local Planning Mechanism	Internal
Potential Funding Sources	Sewer Reserves, Federal/State Grants (CDBG/CDBG-DR [HUD], PDM [FEMA], HMGP [FEMA], FMA [FEMA]), and Electric Rate Payers
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date:12/2/2015 Progress on Action/Project: Planning Stage



Action Number:

VC-1

Mitigation Action Name:

Ridgefield Drive Lift Station Flood Prevention

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Prevent public health threats
Property Protection	1	Prevent property damage from sewer backups
Cost-Effectiveness	1	Prevent significant future losses
Technical	1	
Political	0	
Legal	1	
Fiscal	0	
Environmental	1	
Social	-1	
Administrative	1	
Multi-Hazard	1	Flooding and Utility Failure
Timeline	1	
Agency Champion	1	Village Mayor and other staff
Other Community Objectives	0	
Total	9	
Priority (High, Med, or Low)	High	



Name of Jurisdiction:	Village of Churchville
Name and Title Completing Worksheet:	Paul Robinson Superintendent of Public Works
Action Number:	VC-2
Mitigation Action Name:	East Side Electric Loop

Assessing the Risk	
Hazard(s) addressed:	Severe Storm, Severe Winter Storm, and Utility Failure
Specific problem being mitigated:	Providing alternate electric power supply to the east side of the village (500 + Homes and businesses)
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Take no action. Re: Power restorations on parts of the existing feeder line can be time consuming (12 + hours) Alternate routes have been studied.
Action/Project Intended for Implementation	
Description of Selected Action/Project	SIP
Mitigation Action Type	Infrastructure
Goals Met	Goal 2 Protect Life & Property
Applies to existing and or new development, or not applicable	Existing and new
Benefits (losses avoided)	Loss of property, loss of business & quality of life impacted
Estimated Cost	\$45,000 to \$85,000 (route dependent)
Priority*	High
Plan for Implementation	
Responsible Organization	Churchville Municipal Electric
Local Planning Mechanism	Internal
Potential Funding Sources	Federal/State Grants (CDBG/CDBG-DR [HUD], PDM [FEMA], HMGP [FEMA], FMA [FEMA]), Bonding & Rate Payers
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date:12/2/2015 Progress on Action/Project: Discussions / Early Planning



Action Number:

VC-2

Mitigation Action Name:

East Side Electric Loop

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	
Cost-Effectiveness	0	
Technical	1	
Political	0	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Severe Storm, Severe Winter Storm & Utility Failure
Timeline	0	
Agency Champion	1	Village Mayor and Other Staff
Other Community Objectives	1	Benefits 500+ homes and businesses
Total	9	
Priority (High, Med, or Low)	High	



Name of Jurisdiction:	Village of Churchville
Name and Title Completing Worksheet:	
Action Number:	VC-3
Mitigation Action Name:	Complete fiber optic telecommunications networks expansion project. Currently about 50% complete (fiber installed to connect office, DPW garage, and substation)

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	High-speed data communications is not available across the entire Village. This may result in degradation of emergency service during times of emergency.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none">1. Do nothing – vulnerability continues or worsens.2. Complete data telecommunications network expansion – selected action.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Complete fiber optic telecommunications networks expansion project. Currently about 50% complete (fiber installed to connect office, DPW garage, and substation)
Mitigation Action Type	SIP
Goals Met	3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Electrical Department, DPW
Local Planning Mechanism	None
Potential Funding Sources	Community Connect Program (FCC), Telecommunication Infrastructure Loan Program (FCC)
Timeline for Completion	Short-term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VC-3

Mitigation Action Name:

Complete fiber optic telecommunications networks expansion project. Currently about 50% complete (fiber installed to connect office, DPW garage, and substation)

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	0	
Technical	1	
Political	0	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
Total	8	
Priority (Tier I, II or III)	Medium	



Name of Jurisdiction: Village of Churchville

Name and Title Completing Worksheet:

Action Number: VC-7

Mitigation Action Name: Locate and secure funding for redundant power supply for public supply treatment facilities and system pump stations.

Assessing the Risk	
Hazard(s) addressed:	Utility Failure
Specific problem being mitigated:	Power loss at critical facilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	The Village is currently considering the feasibility of installing permanent generators or possibly the option of installing transfer switches to facilitate use of mobile generators.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Locate and secure funding for redundant power supply for public supply treatment facilities and system pump stations.
Mitigation Action Type	SIP
Goals Met	2, 3
Applies to existing and or new development, or not applicable	New and existing
Benefits (losses avoided)	High – reduce risk of power outage at critical facilities
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	DPW Superintendent, Village Board
Local Planning Mechanism	None
Potential Funding Sources	CDBG (HUD), PDM (FEMA), HMGP (FEMA), FMA (FEMA)
Timeline for Completion	Ongoing
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VC-7

Mitigation Action Name:

Locate and secure funding for redundant power supply for public supply treatment facilities and system pump stations.

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	-1	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	0	
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (High, Medium, or Low)	High	



Name of Jurisdiction:	Village of Churchville
Name and Title Completing Worksheet:	Paul Robinson Supt. of Public Works
Action Number:	VC-8
Mitigation Action Name:	Creekside Drive Bank Stabilization Study

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Study creek bank erosion and possible stabilization measures
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Property acquisition: Cost prohibitive Relocate homes on existing property: Cost prohibitive Property reclamation: Cost prohibitive
Action/Project Intended for Implementation	
Description of Selected Action/Project	Study creek bank erosion. Explore possible bank stabilization measures. Secure funding. Implement stabilization measures.
Mitigation Action Type	LPR, DIP & NSP
Goals Met	2, 3, 4 & 5
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Loss of property.
Estimated Cost	High
Priority*	Low
Plan for Implementation	
Responsible Organization	Study: Village of Churchville. Implementation: Unknown
Local Planning Mechanism	Village Board / Planning Board
Potential Funding Sources	CDBG (HUD), PDM (FEMA), HMGP (FEMA), FMA (FEMA), State, Local, Private
Timeline for Completion	Long term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date:12/22/2015 Progress on Action/Project: Planning



Action Number:

VC-8

Mitigation Action Name:

Creekside Drive Bank Stabilization Study

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	-1	High Cost
Environmental	1	
Social	0	
Administrative	-1	Study involves more administrative work
Multi-Hazard	0	
Timeline	-1	Amount of time needed to complete
Agency Champion	1	Village Mayor, DPW Superintendent, and Other Staff
Other Community Objectives	-1	
Total	2	
Priority (High, Med, or Low)	Low	