

Section 1: Community Plan Checklist		Yes	No	Adoption Year	Update Frequency	Notes
1.1	Municipal Master Plan	x		2009		
1.2	Zoning Ordinance	x		2009		
1.3	Subdivision Ordinance	x		2009		
1.4	Open Space Plan	x		2013		
1.5	Natural Resource Conservation Plan		x			Natural Areas and Wildlife in Your Community: A Habitat Summary Prepared for the Town of Pleasant Valley December 2013. Also included in Open Space Plan (Natural Resources Inventory)
1.6	Stormwater Management Plan		x			Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007)
1.7	Coastal Plan or Element in Other Plan		x			
1.8	Shoreline Restoration Plan		x			
1.9	Coastal Erosion Hazard Area Ordinance		x			
1.10	Multi-Hazard Mitigation Plan	x		2016		Dutchess County specific plan, but Pleasant Valley has a Jurisdictional Annex
1.11	Floodplain Management Plan		x			
1.12	Flood Damage Prevention Ordinance	x		2012		Chapter 50: Flood Damage Prevention
1.13	Evacuation Plan		x			
1.14	Emergency Response & Short-term Recovery Plan	x				Town of Pleasant Valley Emergency Preparedness Action Plan
1.15	Continuity of Operations Plan		x			
1.16	Disaster Recovery Plan		x			
1.17	Long-term Recovery Plan		x			
1.18	Economic Development Plan/Strategy		x			Hudson Valley has a Regional Economic Development Plan, which is mostly focused at the County level. Pleasant Valley Town Center Feasibility Analysis (2017)
1.19	Capital Improvements Plan		x			Dutchess County has a plan, but it is not specific to the Town of Pleasant Valley
1.20	Metropolitan Transportation Plan		x			
1.21	Historic Preservation Plan		x			Part of Comprehensive Plan. Also Historic Register ordinance (2002)
1.22	Local Waterfront Revitalization Plan		x			
1.23	Climate Action Plan		x			
1.24	Other: Chapter 53: Wetland, Waterbody and Watercourse Protection Ordinance	x		2003		
1.25	Other: Pleasant Valley Recreation Master Plan	x		2011		

Section 2: Vulnerability & Risk Assessments		Yes No N/A		Notes	Definitions	References
2.1	Does the municipality have a localized hazard risk and vulnerability assessment?	x		Town of Pleasant Valley Annex to Dutchess County Hazard Mitigation plan. Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (p.3), but it is not as comprehensive as it could be.		
2.2	Have current and future <b>climate hazards</b> been identified?	x		Yes, Tables 9.16-2 Hazard Event History (p.2) and 9.16-3 Hazard Risk/Vulnerability Risk Ranking (p.3)	<b>Climate hazards</b> include higher temperatures, heavy precipitation, sea-level rise, storm surge & flooding, disruption of natural resource life cycles and a variety of human health risks.	<a href="#">Impacts of climate change</a>
2.3	Have potential risks been prioritized as follows?					
2.3.1	Likelihood of a given effect, e.g. virtually certain/already occurring, high, moderate, low	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (p.3)		
2.3.2	Magnitude of consequence, e.g., disruption of internal operations, capital and operating costs, number of people affected, public health, economy, and environment.		x	Only dollar losses are listed in Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (p.3)		
2.3.3	Are conditions identified that could amplify the effect of a hazard, e.g. storm surge inundation at a high tide or erosion of stabilized shorelines?	x		County Hazard Mitigation Plan Section 5: Risk Assessment		
2.4	Have municipal employees utilized any of the following vulnerability assessment modalities?					
2.4.1	<b>HAZUS-MH</b>		x	Table 9.16-7 Administrative and Technical Capabilities (County Hazard Mitigation Plan Annex, p.7)	<b>HAZUS-MH</b> - a tool developed by FEMA to help communities estimate potential losses from natural disasters.	<a href="#">HAZUS-MH</a>
2.4.2	Other:	x		Through PESH. Information provided by Town Supervisor		
2.5	Are municipal employees <u>trained</u> in the use of FEMA's HAZUS-MH?		x	Table 9.16-7 Administrative and Technical Capabilities (County Hazard Mitigation Plan Annex, p.7)		
2.6	Have adaptation strategies been identified and categorized as follows:					
2.6.1	Type		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.6.2	Administration		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.6.3	Condition		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.6.4	Timing		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.6.5	Geography		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.7	Have adaptation strategies been evaluated and prioritized as follows:					
2.7.1	Strategy cost		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.7.2	Strategy feasibility		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.7.3	Timing of Implementation		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.7.4	Efficacy		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.7.5	Co-benefits		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.8	Have stakeholders linked adaptation strategies to the capital budget and rehabilitation cycles?		x	Mitigation strategies not adaptation strategies (County Hazard Mitigation Plan, Pleasant Valley Annex)		
2.9	Are maps used to spatially define the following vulnerabilities in relationship to risks?					
2.9.1	Populations, e.g., elderly, children, poor, disabled		x	County Hazard Mitigation Plan has maps in Section 4.2 Population and Demographics showing distribution of elderly and low income populations but not in relation to risks		
2.9.2	Buildings, e.g., business and residential		x	County Hazard Mitigation Plan has maps in Section 4.3 General Building Stock showing distribution of residential, commercial and industrial building stock and exposure/value density, but not in relation to risks		
2.9.3	Infrastructure, e.g. roads, schools, wastewater treatment facilities, hospitals, public works, power plants, drinking water treatment facilities	x		Town of Pleasant Valley Hazard Area Extent and Location Map 1 (County Hazard Mitigation Plan, p.17)		
2.9.4	Natural resources, e.g. wetlands, critical habitats, rare species, dunes, beaches, bluffs		x	County Hazard Mitigation Plan has maps in Section 4.1 General Information showing Dutchess County land cover including wetlands, forest, and water but not in relation to risks		

2.9.5 Cultural resources, e.g., historic districts, properties, and landmarks, libraries, museums, recreational areas		x		Town of Pleasant Valley Hazard Area Extent and Location Map 1 (County Hazard Mitigation Plan, p.17) does include the Pleasant Valley library		
2.10 Have the following been identified as climate risks to the community?						
2.10.1 Extreme precipitation and riverine flooding	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3)		
2.10.2 Landslides			x	Included in Section 5.4.3 Earthquake and Section 5.4.6 Severe Storm at County level, but not identified as a climate risk on its own (County Hazard Mitigation Plan). While earthquakes and severe storms are listed as a high hazard ranking for Pleasant Valley in Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3), landslides are not identified as a major hazard risk for Pleasant Valley on their own. Pleasant Valley does have steep slope protections in its zoning code to prevent landslides caused by erosion.		
2.10.3 Sea-level rise			x	Sea-level rise is included in 5.4.1 Coastal Hazards and 5.4.5 Flood Hazard as a hazard, but is not identified as a climate risk on its own (County Hazard Mitigation Plan). Coastal Storms and Floods are ranked high as hazards for Pleasant Valley in Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3), but sea-level rise is not listed on its own as a major hazard risk for Pleasant Valley		
2.10.4 Coastal storms, storm surge, and coastal flooding	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3)		
2.10.5 Extreme temperatures and heat waves	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3)		
2.10.6 High winds	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3)		
2.10.7 Heavy snow and/or ice storms	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3)		
2.11 Are municipal planners and emergency managers trained in the use of the following risk-mapping tools?						
2.11.1 Flood insurance rate maps			x	We rely on Planning Board Engineers (information provided by Town Supervisor)	<b>Flood Insurance Rate Maps</b> , or FIRMS, are official maps produced by FEMA that identify areas at risk of flooding, as well as National Flood Insurance risk premium zones in a community.	<a href="#">FIRMS</a>
2.11.2 Sea, Lake and Overland Surges from hurricanes			x	We rely on Planning Board Engineers (information provided by Town Supervisor)	Storm Surge is an abnormal rise of water generated by a storm, often a hurricane.	<a href="#">SLOSH</a>
2.11.3 Shoreline change analysis			x	We rely on Planning Board Engineers (information provided by Town Supervisor)	Shoreline changes through erosion or accretion can be analyzed in geographic information system (GIS).	<a href="#">NOAA Shoreline website</a>
2.11.4 Cumulative risk assessments			x	We rely on Planning Board Engineers (information provided by Town Supervisor)	A tool to assist communities in understanding the aggregation of risks from multiple environmental stressors.	<a href="#">USEPA Cumulative Risk Assessment Framework</a>
2.11.5 Sea level rise inundation maps			x	We rely on Planning Board Engineers (information provided by Town Supervisor)	Mapping tools to help communities visualize impacts from coastal flooding and sea-level rise.	<a href="#">NOAA Sea Level Rise Viewer</a>
2.11.6 Other:			x			
2.12 Have vulnerability and risk assessments been directly shared with municipal planners, public work officials, transportation planners, and other appropriate municipal, county or state officials?	x			Shared with County through Hazard Mitigation Plan - Section 5 Risk Assessment and Section 9 Pleasant Valley Annex		
2.13 Has inland (riverine) flooding been identified as a hazard in this community? If yes, complete the following:	x			Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, Pleasant Valley Annex, p.3)		
2.13.1 Are emergency managers and planners aware of potential riverine flooding extents in the community?	x			Yes, Hamlet of Pleasant Valley is almost entirely within the 100-year floodplain (County Hazard Mitigation Plan, Pleasant Valley Annex, Other Vulnerabilities Identified, p.4-5)		
2.13.2 Are local planners, emergency managers and public works officials aware of the location of riverine repetitive loss properties?	x			Table 9.16-11 Proposed Hazard Mitigation Activities lists some locations and Table 5.4.5-12 Occupancy Class of Repetitive Loss Structures in Dutchess County, by Municipality shows that RL and SRL are single family residences		
2.13.3 Does the community track riverine repetitive loss properties within the National Flood Insurance Program?	x			In Table 9.16-4 NFIP Summary (p.4) from Pleasant Valley Annex to Dutchess County Hazard Mitigation Plan	<b>National Flood Insurance Program</b> , or NFIP, a federally-subsidized insurance program aimed at reducing the impact of flooding on private and public structures.	<a href="#">NFIP</a>
2.13.4 Do any plans or reports describe the damage and cost of previous storms, riverine floods, or erosion?	x			Table 9.16-2 Hazard Event History describes damages, but not monetary costs from previous storms, floods or erosion		

2.13.5 Do any plans or reports estimate future financial losses that may result from riverine flooding?		x	County Hazard Mitigation Plan Section 5.4.5 Risk Assessment - Flood and Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking shows dollar losses to structures vulnerable to identified hazards, including floods, but is not specific to riverine flooding		
2.14 Have sea-level rise, coastal storms, storm surge and coastal flooding been identified as hazards? If so, answer the following:	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, Pleasant Valley Annex, p.3) - coastal storms only		
2.14.1 Are emergency managers and planners aware of potential coastal flooding extents in the community?		x	Pleasant Valley is not a coastal community		
2.14.2 Are local planners, emergency managers and public works officials aware of the location of coastal repetitive loss properties?		x	Pleasant Valley is not a coastal community		
2.14.3 Does the community track riverine coastal loss properties within the National Flood Insurance Program?		x	Pleasant Valley is not a coastal community		
2.14.4 Do any plans or reports describe the damage and cost of previous coastal storms, floods, or erosion?	x		Yes, Table 9.16-2 Hazard Event History and Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, Pleasant Valley Annex, p.2-3)		
2.14.5 Is a significant part of the community in a V-zone or A-zone as defined on a FEMA flood insurance rate map?	x		The Hamlet of Pleasant Valley is almost entirely in the Wappinger Creek's floodplain and other portions of the Town are in V- or A-zones as well		
2.14.6 Does the community contain lands within the Coastal Erosion Hazard Area?		x	The coastlines along Lake Erie and Lake Ontario, Long Island Sound, and the Atlantic Ocean coastline of NYC and Long Island are the only areas currently mapped as coastal erosion hazard areas requiring a Coastal Erosion Hazard Area (CEHA) permit for regulated activities	Coastal Erosion Hazard Areas are coastal shoreline areas that are vulnerable to erosion, and are identified in maps produced by NYS DEC. Coastal Erosion Hazard Areas are regulated and permits are required for construction and other activities.	<a href="#">NYS DEC Coastal Erosion Hazard Management Program</a>
2.14.7 Have areas of the coastline most prone to erosion hazards been identified?		x	Pleasant Valley is not a coastal community		
2.14.8 Has the community used all available authorities to restrict or prohibit any activities, development or other actions in such erosion hazard areas, in order to minimize damage to property, and to prevent the exacerbation of erosion hazards?	x		Chapter 82: Subdivision of Land mentions restrictions to help minimize erosion, as well as Chapter 98: Zoning (steep slope protections), Chapter 74: Stormwater Management and Erosion and Sediment Control and Chapter 50: Flood Damage Prevention. The Zoning code restricts building on steep slopes or in buffers to wetlands, water bodies and streams. These areas are also removed from the acreage determination for maximum lot count with respect to subdivision. Steep slopes and buffer areas are the primary erosion hazard areas in the Town. In addition, during construction phases, we require extensive erosion controls measures.		
2.14.9 Has the community developed a build-out analysis using existing zoning ordinances? If so, answer the following:		x	The Town has not developed a build out analysis under the current zoning passed in 2009.		
2.14.9.1 Has the build-out analysis been compared to the extent of storm surge scenarios?		x	Pleasant Valley is not a coastal community		
2.14.9.2 Has the build-out analysis been compared to projected sea-level rise scenarios?		x	Pleasant Valley is not a coastal community		
2.14.10 Do any plans or reports describe the damage and cost of previous coastal storms, floods, or erosion?	x		Yes, Table 9.16-2 Hazard Event History and Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, Pleasant Valley Annex, p.2-3)		
2.14.11 Are emergency managers and planners aware of potential storm-surge heights in the community?		x	Pleasant Valley is not a coastal community		
2.14.12 Do any plans or reports estimate future financial losses that may result from sea-level rise?		x	County Hazard Mitigation Plan Section 5 and Annex estimate future losses due to coastal hazards/storms (5.4.1.2 Vulnerability Assessment Coastal Hazards) and Flood Hazard (5.4.5.2 Vulnerability Assessment - Flood) which sea-level rise will impact but no estimates of future financial losses specifically related to sea-level rise		
2.14.13 Has the community undertaken a vulnerability and risk assessments using the Department of State Asset Inventory Worksheet and Risk Assessment Tool?		x	Unknown. Information provided by the Town Supervisor		<a href="#">Governor's Office of Storm Recovery</a>
2.14.14 Has the community adopted the projections of sea-level rise from the State Sea Level Rise Task Force report or more recent studies for planning purposes?		x	The County level Hazard Mitigation Plan references the ClimAID report and details projections of sea-level rise, but does not mention anything about adopting the projections. Also, Pleasant Valley is not a coastal community	NYS has adopted official sea-level rise projections.	<a href="#">NYS DEC Official SLR Projections</a> <a href="#">NYS Sea Level Rise Task Force Report</a>

Section 3: Public Outreach and Engagement	Yes	No	N/A	Notes	Definitions	References
3.1 Has the public been involved in the identification of historic storm effects, such as storm-surge elevations, flood-prone streets, beach erosion and overwash, or property loss through any of the following means?						
3.1.1 Participatory mapping		x		Information provided by the Town Supervisor	<b>Participatory mapping</b> is a process in which stakeholders create maps that indicate important environmental, cultural social and economic features. Often used in land use decision-making.	<a href="#">NOAA Participatory Mapping Guide</a>
3.1.2 Public surveys		x		Community surveys done in 2006, 2011 (recreation survey) and 2017 (town center development survey). Not directly related to hazards and storm events, but the Town has a history of engaging with the community to receive their input.		
3.1.3 Stakeholder meetings		x		Information provided by the Town Supervisor		
3.2 Does the municipality have publicly visible <b>high water mark signs</b> ?		x		Information provided by the Town Supervisor	<b>High Water Mark signs</b> are a public awareness tool that indicate how high the water reached on a building, bridge or other infrastructure under flood conditions.	<a href="#">NOAA High Water Mark signs</a>
3.3 Has the public been involved in defining an overall acceptable level of natural-hazard risk?		x		Information provided by the Town Supervisor		
3.4 Does the municipality provide the public with information on the natural and beneficial functions of floodplains, wetlands and green infrastructure?	x			Occasional seminars & their availability is published and informational handouts at the Town Hall (information provided by the Town Supervisor)		
3.5 Does the municipality provide access to floodplain maps?	x			Information provided by Town Supervisor		
3.6 Does the municipality publicize the availability of floodplain information to property owners and businesses?	x			Yes, through Parcel Access (information provided by the Town Supervisor) "Education and outreach regarding flood hazard and risk reduction is provided to property owners within floodprone areas if requested, or if requesting a permit" (County Hazard Mitigation Plan, Pleasant Valley Annex, p.10)		
3.7 Does the municipality publicize the availability of floodplain information to insurance agents, real estate agents, and lenders?	x			Yes, through Parcel Access (information provided by the Town Supervisor)		
3.8 Does the municipality conduct storm-preparedness outreach to floodplain residents and businesses using the following methods?						
3.8.1 Website		x		The Dutchess County Department of Emergency Response has information on storm-preparedness (floods, hurricanes, etc) on their website (County level)		
3.8.2 Brochures and newsletters	x			Information provided by the Town Supervisor		
3.8.3 Community meetings	x			Information provided by the Town Supervisor		
3.8.4 Television or radio		x		Information provided by the Town Supervisor		
3.8.5 Other:		x		Information provided by the Town Supervisor		
3.9 Does the community provide easy access to coastal erosion area hazard maps?			x	Pleasant Valley is not a coastal community		
3.10 Does the community provide residents with guidance on the development of personal or family evacuation plans?		x		The Dutchess County Department of Emergency Response has information on developing personal and family emergency and evacuation plans on their website and social media pages. Together with Dutchess County Disaster Preparedness Training (County level)		
3.11 Does the municipality provide property owners information on what to include in the following?						

3.11.1 At-home emergency kit		x	The Dutchess County Department of Emergency Response has information on developing personal and family emergency kits on their website - link to FEMA's Ready.gov checklist. Through disaster preparedness conducted by the county at our town hall (County level)		
3.11.2 Emergency supplies		x	The Dutchess County Department of Emergency Response has information on developing personal and family emergency kits on their website - link to FEMA's Ready.gov checklist. Through disaster preparedness conducted by the county at our town hall (County level)		
3.11.3 Evacuation kit		x	The Dutchess County Department of Emergency Response has information on developing personal and family emergency kits on their website - link to FEMA's Ready.gov checklist. Through disaster preparedness conducted by the county at our town hall (County level)		
<b>Section 3 – Public Outreach and Engagement</b>					
3.12 Does the community have public-information plans in place to provide residents with the following information prior to the threat of a storm?					
3.12.1 Expected inundation areas		x	Information provided by Town Supervisor		
3.12.2 Evacuation routes		x	The Dutchess County Department of Emergency Response has information on evacuations through their website and social media pages, as well as calling 2-1-1 (County level)		
3.12.3 Evacuation bus pick-up locations		x	Information provided by Town Supervisor		
3.12.4 Location of severe weather shelters	x		On website, Facebook and Twitter pages. Also, the Dutchess County Department of Emergency Response has information on sheltering through their website and social media pages, as well as calling 2-1-1 (County level)		
3.12.5 Location of pet shelters	x		Information provided by Town Supervisor		
3.13 Has the community informed residents of ASPCA's disaster preparedness steps for domesticated animals?		x	The Dutchess County Department of Emergency Response has information on protecting pets through their website, including a link to the ASPCA's disaster preparedness steps. Together with Dutchess County Disaster Preparedness Training (County level)	Tips for including pets in your family's disaster preparedness efforts.	<a href="#">ASPCA Disaster Preparedness</a>
3.14 Has the community informed residents of FEMA's "Are You Ready?" Guide?	x		Information provided by Town Supervisor		<a href="#">FEMA "Are You Ready?" Guide</a>
3.15 Does the community actively inform property owners of FEMA suggested means to protect their homes against storm and wind damage?		x	The Dutchess County Department of Emergency Response has information for property owners on ways to protect their homes against storm damage on their website, but it is not from the FEMA Guide. Together with Dutchess County Disaster Preparedness Training (County level)		<a href="#">FEMA Guidance on Protecting Homes from Storms</a>
3.16 Does the municipality provide the public with flood mitigation information?	x		The Dutchess County Department of Emergency Response has information for the public on flood mitigation on their website (County level) Information provided by Town Supervisor		
3.17 Does the municipality refer home builders to FEMA's coastal construction manual?			x Pleasant Valley is not a coastal community		<a href="#">FEMA Guidance on Coastal Construction</a>
3.18 Does the municipality employ multilingual and culturally sensitive approaches while providing residents with essential information?	x		We have this support for the Court and have Spanish Speaking staff (information provided by Town Supervisor)		

Section 4: Integration of Municipal Plans		Yes	No	N/A	Notes	Definitions	References
4.1	Has the community adopted a comprehensive plan?	x			Adopted in December 2009		
4.1.1	Does the comprehensive plan reference the local multi-hazard mitigation plan and disaster recovery plans?		x		Dutchess County Hazard Mitigation Plan was completed in 2016 after the Comprehensive Plan		
4.1.2	Does the comprehensive plan explain the support and involvement of emergency managers, floodplain managers, coastal managers and public works officials?		x				
4.1.3	Does the planning process documentation describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information, e.g., the multi-hazard mitigation plan, capital improvement plan?	x			Incorporates Pleasant Valley Wetland, Waterbody and Watercourse Protection Ordinance, Centers and Greenspaces Plan, Municipal Aquifer Report, etc.		
4.1.4	Did the preparation of the comprehensive plan involve a broad base of the community, such as public officials, civic organizations, businesses, and citizens?	x			Comprehensive Plan Committee with input from the public		
4.1.5	Does the comprehensive plan provide a clear explanation of participation techniques used in its development?	x			Talks about public surveys (2006) and Comprehensive Plan Committee, addressed collective concerns from the community, public survey results included in Appendix B		
4.1.6	Does the comprehensive plan identify resilience within its mission, vision, or goals?		x		Mentions actions that contribute to resilience, such as protecting natural resources, preserving open space, concentrating development in walkable areas, etc. but could more explicitly mention resilience		
4.1.7	Are hazards addressed among the elements of the municipal master plan?		x				
4.1.8	Does the plan identify potential coastal-hazard effects on infrastructure, land uses, housing and community facilities?		x				
4.1.9	Does the plan make recommendations to reduce hazard vulnerability through land-use planning?		x		Mentions preserving/zoning for open space/greenways, encouraging land use decision-makers to use the Comprehensive Plan to understand important natural resources and development constraints, etc.		
4.1.10	Does the plan identify how often it should be updated?		x				
4.1.11	Does the comprehensive plan identify flood-prone areas and discourage development in those areas or require strategies to reduce flood damage to buildings?	x			The Comprehensive Plan makes reference to areas that flood in the 100-year floodplain, especially the hamlet of Pleasant Valley, which is almost entirely in the 100-year floodplain. The plan recommends reinforcing not abandoning the hamlet center, so new construction should conform to floodplain standards, while limiting downstream impacts. Several techniques are identified: placing residential uses on upper floors, flood-proofing non-residential structures. The plan also identifies other areas along the Wappinger and its major tributaries that are flood-prone and recommends those areas be limited to agriculture, recreation, forestry, etc. Structures should be sited elsewhere, floodplain setbacks, separate stream protection guidelines to preserve integrity of waterways (p.34-35)		
4.1.12	Does the comprehensive plan encourage using green infrastructure techniques to help prevent flooding?		x		The plan does mention concepts behind green infrastructure (maximizing on-site water infiltration) but does not explicitly mention green infrastructure or provide examples of green infrastructure practices		
4.1.13	Does the comprehensive plan emphasize non-structural pre-disaster mitigation measures such as acquiring flood-prone lands and adopting No Adverse Impact flood plain regulations?		x		The Comprehensive Plan recommends flood-prone areas be limited to agriculture, recreation, forestry, etc. New structures should be sited elsewhere, floodplain setbacks, separate stream protection guidelines to preserve integrity of waterways (p.34-35) This could be expanded to identify specific priority pre-disaster mitigation measures to be carried out/implemented that are non-structural; identify a specific acceptable level of disaster impact and detailed ways to mitigate any adverse impacts from natural disasters caused by development and enforcing implementation of those measures. The Dutchess County Hazard Mitigation Plan Pleasant Valley Annex does in Table 9.16-11 Proposed Hazard Mitigation Initiatives (p.13)		

4.1.14 Does the comprehensive plan or hazard mitigation plan discuss strategies to determine whether to relocate structures that have been repeatedly flooded, including identifying an equitable approach for community involvement in relocation decisions and potential funding sources?		x	The Comprehensive Plan does not. One of the mitigation initiatives in the Dutchess County Hazard Mitigation Plan Pleasant Valley Annex, Table 9.16-11 Proposed Hazard Mitigation Initiatives (p.13) is acquisition/relocation of RL and SRL properties. An equitable approach for community involvement in relocation could be added. Potential sources of funding are included.		
4.2 Is the community planning for development (e.g. parks, river-based recreation) along the river's edge that will help connect people to the river AND accommodate water during floods?		x	The Pleasant Valley Recreation Master Plan identifies goals for development of parks in the Town, including improving access to Wappinger Creek for recreation at Bower Park and Salt Point Creek area, relocation of fields/playground/concessions at Cady Park to outside the floodplain. The Town owns undeveloped parcels next to the Wappinger and Little Wappinger Creeks, which in the Recreation Master Plan were identified as areas for future, potential parks/recreation. However, nothing specific is planned as of right now in terms of recreation along the Wappinger Creek		
4.2.1 Are floodways and other frequently flooded areas zoned for open space or recreation?		x	The Special Flood Hazard district uses are generally limited to agriculture, forestry, recreation and other uses that would be minimally impacted by flooding. The only exception is the Hamlet - Pleasant Valley district, which already includes development in the floodplain. However within the Pleasant Valley Hamlet, floodplain regulations still apply and new construction must conform to floodplain standards, limiting downstream impacts. Some of the local parks (Bower and Cady) are located within the Wappinger and other creek floodplains		
4.2.2 Does the community use subdivision regulations to ensure low densities within the floodplain?		x	Chapter 82: Subdivision of Land: 82-22 Lots (D), etc.		
4.2.3 Have non-conforming use and structure standards been revised to encourage safer rebuilding in flood-prone areas?		x	All building in flood prone areas must conform to FEMA requirements.		
4.2.4 Do zoning or floodplain regulations require elevation of two or more feet above Base Flood Elevation?		x	State mandated BFE+2 for single and two-family residential construction and BFE+1 for all other construction (County Hazard Mitigation Plan, Table 9.16-6 Planning and Regulatory Tools, p.6) and Chapter 50: Flood Damage Prevention Ordinance		
4.2.5 Has the community adopted the International Building Code or American Society of Civil Engineers (ASCE) standards that promote flood-resistant building?		x	Information provided by the Zoning Board Chair		
4.2.6 Does the community plan for costs associated with the follow-up inspection and enforcement of land development regulations and building codes?		x	Information provided by the Zoning Board Chair		
4.2.7 Does the local comprehensive plan or hazard mitigation plan clearly identify safer growth areas in the community?		x	The Comprehensive Plan identifies areas outside of floodplains for growth and development and areas clustered around existing commercial development (the three hamlets) as priority areas for development while still preserving open space and farmland		
4.2.8 Has the community adopted policies to encourage development in these areas?		x	The Town revised zoning in 2009 to encourage dense development in the central areas of Town.		
4.2.9 Has the community planned for new development in safer areas to ensure that it is compact, walkable and has a variety of uses?		x	The 2009 Plan encourages growth and provides for development in the central part of Town to encourage walkability, less reliance on auto travel, reduction in traffic and support of central businesses.		
4.2.9.1 Has the community changed its land-use codes and regulations to allow for this type of development?		x	Yes the code was revised in 2009. The code encourages multifamily development in the center of town.		
4.2.9.2 Have land development regulations been audited to ensure that development in safer areas meets the community's needs for off-street parking requirements, building height and density, front yard setbacks and that these regulations do not unintentionally inhibit development in these areas?		x	The land use regulations have not been audited since enactment in 2009, but the regulations were drafted with the listed concerns in mind.		
4.2.9.3 Do capital improvement plans and budgets support development in preferred safer growth areas (e.g., through investment in wastewater treatment facilities and roads)?		x	The town lacks a central water system which will encourage growth in the center of Town. This is a focus for the Town Board with regard to development.		



4.2.9.4 Have building codes been upgraded to promote more flood-resistant building in safer locations?	x		Flood-resistant building is encouraged in the Comprehensive Plan. Ch 50: Flood Damage Prevention Ordinance requires new construction be located outside of the floodplain. Information provided by the Zoning Board Chair		
<b>Section 4 – Integration of Municipal Plans</b>					
4.3 Has the community adopted the concepts of <b>No Adverse Impact</b> of the Association of State Floodplain Managers?		x	Information provided by the Zoning Board Chair	<b>No Adverse Impact</b> , or NAI, is a floodplain management approach recommended by the Association of State Floodplain Managers that aims to help coastal communities achieve disaster resilience. "NAI is an approach by which the action of any community or property owner, public or private, is not allowed to adversely affect coastal resources or the property rights of others."	<a href="#">NAI Handbook</a>
4.3.1 Does the community have a local ordinance to protect dunes, bluffs or eroding cliffs from development or disturbance?		x			
4.3.2 Does the community have a local ordinance to protect wetlands?	x		Chapter 53: Wetland, Water Body and Watercourse Protection ordinance		
4.4 Does the community have an open space or other natural resources management plan?	x		Open Space and Farmland Plan (2013)		
4.4.1 If so, does the plan identify floodplain management as a priority?		x	Action Item: Protect creek buffers, wetlands, trees and valuable natural resources. No specific mentions to actively managing floodplains, but mentions preserving existing undeveloped floodplain areas as open space. No mention of managing existing infrastructure in floodplains		
4.4.2 Is actively managed open space maintained in a manner that provides flood protection?	x		Open Space Plan encourages keeping undeveloped floodplain areas as undeveloped/open space		
4.4.3 Is the plan adopted as part of the municipal comprehensive plan?		x	Open Space Plan was created after adoption of Comprehensive Plan in 2009, but the Open Space Plan builds on the recommendations of the Comprehensive Plan		
4.4.4 Is the local <b>open space plan</b> updated in coordination with the state open space plan?		x	The Open Space Plan was created in 2013 and has not been updated since. The State Open Space Plan was updated in 2016		<a href="#">NYS Open Space Plan</a>
4.4.5 Does the community participate in the state open space plan updates?		x			
4.5 Does the municipality have a FEMA-approved <b>multi-hazard mitigation plan</b> ?		x	Dutchess County Plan with a specific annex for Pleasant Valley	<b>FEMA Hazard Mitigation Plan</b> , or HMP, formalizes community efforts to reduce loss of life and property from natural disasters. A FEMA-approved HMP is a condition for receiving certain types of non-emergency disaster assistance.	<a href="#">FEMA Hazard Mitigation Planning</a>
4.5.1 Does the multi-hazard mitigation plan cross-reference with the local comprehensive plan?	x		The County Hazard Mitigation Plan references the Town of Pleasant Valley Comprehensive Plan (Pleasant Valley Annex, Integration of Hazard Mitigation into Existing and Future Planning Mechanisms, p.9.16-10), but the Pleasant Valley Comprehensive Plan does not reference the County Hazard Mitigation Plan		
4.5.2 Was a certified floodplain manager included in the hazard-mitigation planning process?	x		Section D: Participation Matrix - Town of Pleasant Valley FPA/Zoning Administrator is listed as participating in the hazard mitigation planning process in addition to the Supervisor and Councilman		
4.5.3 Does the multi-hazard mitigation plan describe the support and involvement of local government departments and offices?	x		Section 3: Planning Process (municipal planning partnership) - Town of Pleasant Valley Supervisor and Councilman part of the planning partnership and Appendix B: Meeting Documentation and Appendix D: Participation Matrix		
4.5.4 Does the multi-hazard mitigation plan provide a clear explanation of public participation used during its development?	x		Section 3: Planning Process and Appendix C: Public and Stakeholder Outreach Documentation - Town of Pleasant Valley Supervisor and Councilman were members of the Steering Committee which was tasked with public outreach and stakeholder engagement. Section 7.3 Continued Public Involvement		

4.5.5 Does the multi-hazard mitigation plan identify critical facilities and infrastructure that are located in vulnerable areas and should be protected, repaired or relocated (e.g., town facilities, bridges, roads, and wastewater facilities)?	x		Section 4: County Profile (p.28-42) Pleasant Valley included on Figure 4-14 Emergency Facilities in Dutchess County, 4-16 Utility Lifelines in Dutchess County, 4-17 High Potential Loss Facilities in Dutchess County. Table 5.4.5-14 Number of Critical Facilities Located in the 1-Percent Annual Chance Flood Zone and Table 5.4.5-15 Number of Critical Facilities Located in the 0.2-Percent Annual Chance Flood Zone. Pleasant Valley Annex Table 9.16-5 Potential Flood Losses to Critical Facilities lists estimates of damage and loss of use to critical facilities in the community from 1 and 0.2% annual chance flood events. The following critical facilities are listed: Pleasant Valley Fire Department, Pleasant Valley Library, Pleasant Valley Post Office and Pleasant Valley Town Hall		
4.5.6 Does the multi-hazard mitigation plan identify projects that could be included in pre-disaster grant applications and does it expedite the application process for post-disaster Hazard Mitigation Grant Program acquisitions?		x	9.16-11 Proposed Hazard Mitigation Initiatives mentions projects that could potentially be included in Pre-Disaster Mitigation and Hazard Mitigation Grant Program acquisitions, but does not mention anything about expediting the application process		
4.5.7 Does the multi-hazard mitigation plan describe past mitigation efforts e.g., shoreline stabilization and land acquisition, along with their costs and effectiveness?		x	Section 6.1 Background and Past Mitigation Accomplishments provides a broad overview of County-wide past mitigation activities, but does not include their costs or effectiveness and does not contain information specific to Pleasant Valley. The Pleasant Valley Annex 9.16.6 Past Mitigation Initiative Status (p.9.16-12) states that Pleasant Valley has no prior mitigation strategy		
4.5.8 Does the multi-hazard mitigation plan provide a general explanation of the environmental, social and economic consequences of failing to address natural hazards?		x	Section 5: Risk Assessment explores the environmental, social and economic impacts of each of the County's identified hazards, but does not explain the consequences of failing to address these natural hazards		
4.5.9 Does the multi-hazard mitigation plan include municipal maps that indicate local hazard risks, such as flood zones, storm-surge inundation and erosion rates?	x		Figure 9.16-1 Town of Pleasant Valley Hazard Area Extent and Location shows 1% and 0.2% annual chance flood, wildfire and soil type (earthquake) in relation to locations of critical facilities		
4.5.10 Does the plan consider inland riverine erosion as a hazard?		x	Sections 5.4.1 Coastal Hazards and 5.4.5 Floods only mention coastal/beach erosion		
4.5.11 Does the plan identify shoreline erosion as a hazard?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Section 5 Table 5.2-1 Identification of Hazards of Concern for Dutchess County		
4.5.12 Does the plan identify sea-level rise enhanced storm surges as hazards?		x	Mentions sea level rise and storm surges in Sections 5.4.1 Coastal Hazards and 5.4.5 Floods, but storm surge and sea-level rise are mentioned separately - not sea-level rise enhanced storm surge		
4.5.12.1 Are zoned land uses compatible with coastal hazards?			x Pleasant Valley is not a coastal community		
4.5.13 Does the plan identify landslides as a hazard?	x		Section 5: Table 5.2-1 Identification of Hazards of Concern for Dutchess County. Section 5.4.3 Earthquake		
4.5.14 Does the multi-hazard mitigation plan consider high winds and tornadoes as hazards?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Section 5: Table 5.2-1 Identification of Hazards of Concern for Dutchess County		
4.5.15 Does the plan identify drought as a hazard?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Section 5 Table 5.2-1 Identification of Hazards of Concern for Dutchess County		
4.5.15.1 Does the plan identify specific conservation measures for acknowledged drought thresholds?		x	Section 5.4.2 Risk Assessment - Drought (p.5.4.2-2 and 5.4.2-3) mentions general conservation measures, but does not include specifics beyond generalized restrictions on watering lawns and washing cars (p.5.4.2-7)		
4.5.16 Does the plan identify extreme temperatures and heat waves as hazards?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Section 5 Table 5.2-1 Identification of Hazards of Concern for Dutchess County		
4.5.17 Does the plan identify heavy snowfall as a hazard?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Section 5 Table 5.2-1 Identification of Hazards of Concern for Dutchess County		

4.5.18 Does the plan identify tropical storms, hurricanes and Nor'easters as hazards?	x		Table 9.16-3 Hazard Risk/Vulnerability Risk Ranking (County Hazard Mitigation Plan, p.3) and Table 5.2-1 Identification of Hazards of Concern for Dutchess County		
4.5.19 Does the plan address transportation and other needs of particularly vulnerable populations, such as homeless, low income, elderly, special needs and disabled?		x	Section 5: Risk Assessment mentions populations that are most vulnerable to each hazard risk but doesn't address them or provide specific solutions for them		
4.5.20 Does the plan specify timelines for completing projects and achieving goals?	x		Table 9.16-11 Proposed Hazard Mitigation Initiatives		
4.5.20.1 Do mitigation goals correspond with measurable mitigation objectives?	x		Table 9.16-11 Proposed Hazard Mitigation Initiatives		
4.5.21 Is a process for intergovernmental coordination explained for mitigating natural hazards?	x		Section 3: Planning Process. Lead and Support agencies listed in Table 9.16-11 Proposed Hazard Mitigation Initiatives		
4.5.22 Does the plan identify critical facilities and infrastructure that are located in vulnerable areas and should be protected, repaired or relocated?	x		Section 4 shows critical facilities in the entire County in several maps and Table 9.16-5 Potential Flood Losses to Critical Facilities shows estimates of damages for critical facilities from floods, but not any other hazards. Other Vulnerabilities expands beyond the table to include some additional information on infrastructure in the town that is vulnerable and why. Figure 9.16-1 Town of Pleasant Valley Hazard Area Extent and Location Map 1 also shows hazards in relation to critical facilities and other infrastructure.		
4.5.23 Have neighboring local governments been consulted to coordinate disaster responses and hazard-mitigation strategies?	x		There are agreements relating to Disaster Response: the latest example was last month's storm damage to Fishkill, Wappingers, and Beacon where at least a dozen Towns & Villages responded with equipment & personnel assistance (Information provided by the Town Supervisor). Section 3: Planning Process - Adjacent Counties (p.11-12). Dutchess County reached out to Columbia, Orange, Rockland, Putnam, Ulster, Westchester, Fairfield (CT), and Berkshire (MA) counties to provide input on the planning process (County level)		
<b>Section 4 – Integration of Municipal Plans</b>					
4.5.24 Does the plan identify opportunities to incorporate hazard mitigation into existing planning mechanisms, e.g., land-use planning, capital investments, shoreline restoration projects?	x		Section 3: Planning Process - Section 3.4 Incorporation of Existing Plans, Studies, Reports and Technical Information (p.14-17) and Section 3.5 Integration with Existing Planning Mechanisms and Programs (p.18). County used existing plans, reports, etc. to inform hazard mitigation planning process, and plans to integrate and coordinate hazard mitigation plan with existing plans and programs supporting hazard mitigation and risk management. Section 7.2 Implementation of Mitigation Plan through Existing Programs and Pleasant Valley Annex: Integration of Hazard Mitigation into Existing and Future Planning Mechanisms (p.9.16-10 and 9.16-12)		
4.5.25 Does the multi-hazard mitigation plan identify projects that could be included in pre-disaster grant applications and does it expedite the application process for post-4.5.25. Does the multi-hazard mitigation plan identify projects that could be included in pre-disaster grant applications and does it expedite the application process for post-disaster Hazard Mitigation Grant Program acquisitions?		x	9.16-11 Proposed Hazard Mitigation Initiatives mentions projects that could potentially be included in Pre-Disaster Mitigation and Hazard Mitigation Grant Program acquisitions, but does not mention anything about expediting the application process		
4.6 Does the municipality have an adopted floodplain management plan?		x			
4.6.1 Is it incorporated as an element of the comprehensive plan?		x			
4.6.2 Is the floodplain plan incorporated in the open space plan?		x			
4.6.3 Is it incorporated in the stormwater management plan?		x			
4.6.4 Is it incorporated in the multi-hazard mitigation plan?		x	Ch 50: Flood Damage Prevention Ordinance is included in the Dutchess County Hazard Mitigation Plan Pleasant Valley Annex: 9.16-6 Planning and Regulatory Tools		
4.6.5 Does the municipality have a <b>certified floodplain manager</b> on staff?		x	Not yet - information provided by the Zoning Board Chair	<b>Certified Floodplain Manager</b> , or CFM, is a program of the Association of State Floodplain Managers that recognizes continuing education and professional development of floodplain management professionals.	<a href="#">CFM Program Information</a>

4.6.6	Was a certified floodplain manager included in the planning process?		x			
4.6.7	Was a licensed professional planner included in the planning process?		x			
4.6.8	Does the municipality participate in the <b>National Flood Insurance Program</b> ?	x		Chapter 50: Flood Damage Prevention ordinance (50-2 F.)		<a href="#">NFIP</a>
4.6.9	Does the municipality have a flood damage prevention ordinance?	x		Chapter 50: Flood Damage Prevention ordinance		
4.7	Does the municipality have a <b>stormwater management plan</b>		x	Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007) and Chapter 98-48.1: Zoning Stormwater Control (2010)		<a href="#">NYS Stormwater Management Design Manual</a>
4.7.1	Was a certified floodplain manager included in the planning process?		x	Pleasant Valley does not have a stormwater management plan		
4.7.2	Does the stormwater management plan include green infrastructure and low-impact development regulations to decrease runoff, e.g., tree protection ordinances, impervious cover limits, riparian buffers, vegetated drainage channels and cluster development?		x	Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007) does not mention any green infrastructure or LID regulations		
4.7.3	Does the plan identify runoff and drainage problems due to impervious surfaces?		x	Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007) mentions that impervious surfaces can increase runoff and cause drainage problems, but does not identify specific areas or problems		
4.7.4	Has the community implemented strategies to reduce storm water runoff from roads, driveways, and parking lots?		x	Yes, Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007) and Chapter 98-48.1: Zoning Stormwater Control says it is applicable to all land development		
4.7.5	Does the plan identify constraints if the municipality reaches impervious coverage levels allowed by land-use and zoning designations?		x	Chapter 74: Stormwater Management and Erosion and Sediment Control ordinance (2007) does not identify any constraints with reaching a certain level of impervious coverage, but does mention the effects of increased impervious surfaces on the community and environment		
4.7.6	Has the community coordinated with neighboring jurisdictions to explore a watershed-wide approach to storm water management?	x		Pleasant Valley participates in the Wappinger Creek Intermunicipal Council		
4.7.7	Do storm water management regulations apply to areas beyond those that are regulated by federal or state storm water regulations?		x	Town of Pleasant Valley is an MS4 community		
4.7.8	Does the plan describe the municipal responsibilities for inspection and maintenance of stormwater facilities?		x	Yes in Chapter 98-48.1: Zoning Stormwater Control, but it is not a stormwater management plan		
4.7.9	Has the community developed a storm water utility to serve as a funding source for storm water management activities?		x			
4.7.10	Does the plan identify how often it should be updated?		x			
4.8	Does the community have a capital improvements plan?		x	Dutchess County has one, but it does not include the Town of Pleasant Valley		
4.8.1	Were a licensed professional planner, engineer, and certified floodplain manager involved in the planning process?		x			
4.8.2	Does the plan consider the risk of flooding and coastal hazards and sea level rise when upgrading existing municipal infrastructure?		x			
<b>Section 4 –Integration of Municipal Plans</b>						
4.8.3	Does the capital improvement plan consider the risk of flooding and coastal hazards and sea-level rise on proposed infrastructure projects?		x			
4.8.4	Does the capital improvement plan incorporate projections of flooding and sea-level rise into risk assessments over the expected service life of municipal infrastructure?		x			
4.8.5	Does the plan incorporate, if appropriate, existing plans, studies, reports, and technical information?		x			
4.8.6	Does the plan identify how often it should be updated?		x			
4.9	Does the municipality have an economic development plan or strategy?		x	Pleasant Valley Town Center Feasibility Analysis (not a plan, though)		
4.9.1	Does the plan identify economic vulnerabilities due to coastal hazards?		x	Pleasant Valley is not a coastal community		

4.9.2 Does the plan incorporate sea level rise and other climate change effects into its assessment of economic vulnerabilities?		x		Pleasant Valley Town Center Feasibility Analysis (Recommended Zoning Amendments to Facilitate Neighborhood Development) does not talk about economic vulnerabilities, but in its recommendations for developing the town center, it includes zoning based on LEED Neighborhood Development principles which include siting projects away from important natural resources, tree-lined and shaded streets, green building techniques and green infrastructure for stormwater management. These principles address some climate change effects		
4.10 Does the community have a <b>local waterfront revitalization plan</b> , special area management plan, beachfront management plan or shoreline management plan?		x			<b>Local waterfront revitalization plan</b> , or LWRP, is a plan devised by a community for preferred and accepted land uses on their waterfront. This program is supported by NYS Department of State.	<a href="#">LWRP</a>
4.10.1 Do these plans identify the threat of coastal storms and erosion?		x				
4.10.2 Do these plans identify the threat of sea level rise and other climate related hazards?		x				
4.10.3 Do these plans identify the vulnerability of wildlife and habitat to coastal hazards?		x				
4.11 Has the municipality developed a coastal resilience plan?			x	Pleasant Valley is not a coastal community		
4.11.1 Has the municipality strived to reduce vulnerability in coastal zones through non-structural measures wherever possible?			x	Pleasant Valley is not a coastal community		
4.11.2 Have areas of significant public investment, water dependent uses and critical infrastructure that require structural protection because options for relocation, elevation or employment of non-structural measures are not feasible been identified?			x	Pleasant Valley is not a coastal community		

Section 5: Disaster Preparedness and Recovery	Yes	No	N/A	Notes	Definitions	References
5.1 Is the municipality recognized as a <b>Storm Ready Community</b> ?		x			Storm Ready is a program offered through the National Weather Service to help communities to take a proactive approach to preparing for extreme weather and natural disasters.	<a href="https://www.weather.gov/stormready/">https://www.weather.gov/stormready/</a>
5.2 Does the community have a general emergency warning system?	x			Pleasant Valley Emergency Preparedness Action Plan: Operational Procedures - Warning Systems (p.5). Public notification made by local tv and radio stations and public radio systems		
5.3 If the community is located along a river, does it have an early flood-warning system?		x		State Notification to the County And Towns (State level)		
5.4 Are emergency responders aware of real-time ocean and estuarine observing systems and stream gauging information?		x		USGS gauge on the Wappinger Creek is downstream of the community. Through DC Emergency Management (County level)		
5.5 Does the community relay weather related threats to the public in at least two forms of communication?	x			Pleasant Valley Emergency Preparedness Action Plan: Operational Procedures - Warning Systems (p.5). Public notification made by local tv and radio stations and public radio systems. Through the county via cell phone emergency alert, etc.		
5.6 Does the community have an emergency response and short-term recovery plan and/or a flood response plan that includes coastal flooding?	x			Pleasant Valley Emergency Preparedness Action Plan (not sure when adopted/updated). Does not include coastal flooding as that is not a direct hazard for Pleasant Valley		
5.6.1 Does the plan describe a hierarchy of authority during emergencies?	x			Pleasant Valley Emergency Preparedness Action Plan: Authority (pg.3) and Sequence of Action (pg.3-4)		
5.6.2 Does the plan identify first responders?	x			Town of Pleasant Valley Emergency Preparedness Action Plan		
5.6.3 Does the plan include a list of contacts for operators of municipal facilities?	x			Contacts lists are included throughout the Emergency Preparedness Action Plan, but are not up-to-date		
5.6.4 Is the plan a municipal plan (rather than county or state)?	x			Town of Pleasant Valley Emergency Preparedness Action Plan		
5.6.5 Does the plan indicate the required update frequency?		x				
5.6.6 Does the plan include steps for emergency protective measures e.g., sandbagging, erecting warning devices, and search and rescue?		x		The Emergency Preparedness Action Plan does not include steps for emergency protective measures, like sandbagging or search teams. However, the plan does list a contact/department for rescue of trapped persons (Fire Department) and does have information on operational procedures of warning systems		
5.6.7 Does the plan include organizational framework to conduct a preliminary damage assessment?	x			The Building Department (Building Inspector) is responsible for safety inspections of damaged buildings before evacuees can return. The Planning and Assessment Officer is responsible for assembling a team to conduct a damage assessment report. The Superintendent of Highways is responsible for providing a highway and road damage assessment.		
5.6.8 Are the best available projections concerning the frequency and severity of extreme storm events incorporated into the municipality's emergency response/operations plan?		x		Projections concerning the frequency/severity of storm events are not incorporated in the Pleasant Valley Emergency Preparedness Action Plan		
5.6.9 Does the emergency response/operations plan include coordination and communication among critical stakeholders such as community-based organizations, local businesses, local health departments, utilities and local government leaders?	x			Pleasant Valley Emergency Preparedness Action Plan (p.13-23)		
5.7 Does the community have a designated emergency operations center?	x			Town of Pleasant Valley Town Hall (currently located in the floodplain, but Town is actively pursuing relocation of the Town Hall through a CSC grant). Back up EOCs are the Town Garage (Sherow Rd), Pleasant Valley Fire Station #1 (Main St.) and Pleasant Valley Fire Station #2 (Cottage St.)		
5.7.1 Is it located outside of flood-hazard areas?		x		Town of Pleasant Valley Town Hall (currently located in the floodplain, but Town is actively pursuing relocation of the Town Hall through a CSC grant). It will be by mid-2019 (information provide by Town Supervisor)		
5.7.2 Is it designed to withstand high winds?	x			Information provided by the Town Supervisor		

5.7.3 Does it have elevated back-up power?		x		The main EOC (Town Hall) does not have back-up power. In the event that back-up power is needed, one of the two fire stations will be used as EOC. Pleasant Valley Emergency Preparedness Action Plan (p.7). A generator for the Town Hall is listed in the table 9.16-11 Proposed Hazard Mitigation Initiatives in the Pleasant Valley Annex to the County Mitigation Plan		
5.8 Does the community have adequate designated storm shelters?	x			One designated storm shelter (American Legion Building) is listed in the Emergency Preparedness Action Plan (pg.45). Also Town Hall, Churches and 2 firehouses (information provided by Town Supervisor)		
<b>Section 5 – Disaster Preparedness and Recovery</b>						
5.8.1 If the community does not have a designated storm shelter within the community, is there an established memorandum of agreement with a neighboring community or county to provide constituents shelter?			x	N/A		
5.8.2 Are storm shelters located outside flood-hazard areas, including storm-surge inundation areas?	x			Some are located outside of flood-hazard areas (information provided by the Town Supervisor)		
5.8.3 Are storm shelters designed to withstand high-wind effects?	x			Concrete and steel (information provided by the Town Supervisor)		
5.9 Does the community have an evacuation plan?		x		County Plan. Information provided by the Town Supervisor (County level)		
5.9.1 Are responsibilities for municipal evacuation clearly defined?		x				
5.9.2 Does the plan identify the necessary time frame to evacuate residents and vacationers from storm-hazard areas?		x				
5.9.3 Does the plan identify where evacuation routes are prone to flooding?		x				
5.9.4 Is there more than one route identified to evacuate the community?		x				
5.9.5 Does the evacuation plan consider the possibility of evacuation of neighboring jurisdictions occurring concurrently?		x				
5.9.6 Does the evacuation plan identify and provide for groups that rely on public transportation (or lack private vehicles) for emergency evacuations?		x				
5.9.7 Does the plan identify the conditions that would initiate a traffic lane reversal?		x				
5.9.8 Does the plan identify local and state evacuation assistance programs for the following special needs?		x				
5.9.8.1 Hospitals		x				
5.9.8.2 Nursing Homes		x				
5.9.8.3 Prisons		x				
5.9.8.4 Residents without personal transportation		x				
5.9.8.5 Elderly		x				
5.9.8.6 Disabled		x				
5.9.8.7 Schools		x				
5.10 Does the community maintain and promote a special needs registry?	x			Fire Dept. does and the County (information provided by the Town Supervisor)		
5.11 Does the municipality inform residents of the NY-Alert program?		x		Not on website, Facebook or Twitter pages, but the Town is looking into ways to inform residents of Dutchess County's alert system	NY-Alert is a service offered by NYS to alert citizens of hazards and emergencies via email or telephone.	<a href="https://www.nyalert.gov/">https://www.nyalert.gov/</a>

5.12 Does the municipality have a volunteer <b>community emergency response team</b> ?		x		The community does have Volunteer Fire Personnel (information provided by the Town Supervisor)	<b>Community emergency response teams</b> , or CERT is a program offered by FEMA to train volunteers in basic response skills so that they can assist others in their communities following a disaster when professional emergency responders are not immediately available to help.	<a href="https://www.fema.gov/community-emergency-response-teams">https://www.fema.gov/community-emergency-response-teams</a>
5.13 Does the community have a portable communications system that can operate under poor weather conditions and when electrical power is not available?	x			Yes, radios on a repeater system (information provided by Town Supervisor)		
5.14 Is there an adequate heat-warning system in place?		x				
5.15 Is a cooling-center program established that considers potential problems such as transportation obstacles, effects of power outages or flooding and other needs of vulnerable populations/communities?		x		We have opened Town Buildings for Warming/Cooling/charging centers on an as need basis (information provided by Town Supervisor)		
5.16 Does the community have a continuity of operations plan?		x		In any "Event," Highway, Fire, Supervisor, and County Personnel all communicate appropriately. For a county-wide situation their Disaster Operations Center coordinates with Towns, Cities, etc. and all appropriate agencies including Electric & Gas Companies, etc. (information provided by the Town Supervisor)		
5.16.1 Does the plan provide guidance on post-disaster waste management and debris removal?		x				
5.16.1.1 Is machinery for debris removal located outside of flood hazard areas?		x				
5.16.1.2 Are routes to waste-disposal facilities passable in the event of a flood?		x				
5.16.1.3 Are temporary waste-disposal staging areas identified in the event of a disaster?		x		Designated at the time based on the type of need (information provided by Town Supervisor)		
<b>Section 5 – Disaster Preparedness and Recovery</b>						
5.17 In the event of a disaster, are procedures defined to conduct habitability and substantial damage assessments?	x			The Building Department (Building Inspector) is responsible for safety inspections of damaged buildings before evacuees can return. The Planning and Assessment Officer is responsible for assembling a team to conduct a damage assessment report. The Superintendent of Highways is responsible for providing a highway and road damage assessment.		
5.18 Does the community store <b>FEMA elevation certificates</b> outside of flood-hazard areas?	x			Information provided by the Zoning Board Chair	<b>FEMA elevation certificates</b> provide documentation that buildings located in Special Flood Hazard Areas are properly elevated. Elevation certificates can be used by the property owner to obtain flood insurance.	<a href="https://www.fema.gov/elevation-certificate">https://www.fema.gov/elevation-certificate</a>
5.19 Does the community have a <b>long-term recovery plan</b> ?		x			<b>A long-term recovery plan</b> provides guidelines on steps the community will take to re-establish a pre-disaster condition or better, and enable to community to sustain itself.	<a href="http://www.dhss.ny.gov/planning/comp/documents/NYS-CEMP-Vol.3-Long-Term-Recovery-2017.pdf">http://www.dhss.ny.gov/planning/comp/documents/NYS-CEMP-Vol.3-Long-Term-Recovery-2017.pdf</a>
5.19.1 Does the plan identify redevelopment opportunities outside of flood-hazard areas?		x				
5.19.2 Does the plan advocate the use of advisory flood maps to define post-disaster redevelopment building elevations?		x				
5.19.3 Does the plan identify opportunities to retrofit or relocate existing structures or infrastructure in hazard-prone areas?		x				
5.19.4 Does the plan utilize risk and vulnerability mapping to determine the location of future development?		x				



5.19.5 Has the community identified the lines of coordination in transitioning from short-term to long-term recovery?		x			
5.19.6 Does the plan include an organizational framework that facilitates the effective coordination and use of state, federal, and NGOs resources in a manner that provides maximum benefit for the disaster area?		x			
5.19.7 Does the plan identify roles and functions of elected and appointed officials, state and federal agencies, and NGOs?		x		Included in the Emergency Preparedness Action Plan is a description of each of the roles of local elected and appointed officials and community organizations, with some information on where County, State and Federal officials would help out in relation to emergencies	
5.19.8 Does the recovery plan include provisions to reduce greenhouse gas emissions from reconstructed areas through improved energy efficiency, use of renewable sources of energy and application of smart-growth principles?		x			
5.20 Has the community adopted floodplain development limits that prohibit or reduce any new encroachment and fill in river corridors and fluvial erosion hazard areas?	x			Chapter 50: Flood Damage Prevention ordinance	
5.21 Has the community encouraged agricultural and other landowners to implement pre-disaster mitigation measures, such as the following?					
5.21.1 Storing hay bales and equipment in areas less likely to be flooded?			x	These areas are outside the flood zone (information provided by the Town Supervisor)	
5.21.2 Installing ponds or swales to capture storm water?		x			
5.21.3 Planting vegetation that can tolerate inundation?		x			
5.21.4 Using land management practices to improve the capability of the soil on their lands to retain water?		x			
5.21.5 Have long-term recovery plans been developed for areas vulnerable to flooding and coastal storms?			x	These areas are outside the flood zone (information provided by the Town Supervisor)	
5.22 Does the local government have the authority to establish a temporary post-disaster building moratorium?	x			Through declaration of a State of Emergency the Town Supervisor has the Power to close roads, restrict travel, suspend operations including construction, mass gathering events, etc. (information provided by the Town Supervisor)	

Section 6 – Hazard Mitigation Implementation	Yes	No	N/A	Notes	Definitions	References
6.1 Has the municipality taken the <b>Climate Smart Communities Pledge</b> ?		x		Has taken the steps for the pledge and completed all of the documentation, but has not officially submitted the paperwork	<b>Climate Smart Communities</b> is a network of NY communities engaged in reducing greenhouse gas emissions and improving climate resilience.	<a href="http://www.dec.ny.gov/energy/50845.html">http://www.dec.ny.gov/energy/50845.html</a>
6.2 Has the municipality created a local <b>Climate Action Plan</b> ?		x			A <b>Climate Action Plan</b> describes the policies and measures that a local government will enact to reduce greenhouse gas emissions and increase the community's resilience to climate change.	<a href="http://www.dec.ny.gov/energy/67101.html">http://www.dec.ny.gov/energy/67101.html</a>
6.3 Is the municipality active in the National Flood Insurance Program's <b>Community Rating System</b> ?		x			The FEMA <b>Community Rating System</b> is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceeds the minimum National Flood Insurance requirements.	<a href="https://www.fema.gov/national-flood-insurance-program-community-rating-system">https://www.fema.gov/national-flood-insurance-program-community-rating-system</a>
6.4 Has the municipality proposed the relocation of public buildings, critical facilities, or infrastructure out of flood hazard areas as a result of the multi-hazard mitigation plan or other planning tools?	x			Yes, Pleasant Valley received a 2017 Climate Smart Communities grant to relocate the Town Hall to a building outside of the Wappinger Creek floodplain. Table 9.16-11 Proposed Hazard Mitigation Initiatives also includes relocation of RL and SRL structures as one of the initiatives (County Hazard Mitigation Plan)		
6.5 Has the municipality used its multi-hazard mitigation plan to propose retrofitting public buildings, critical facilities and other infrastructure to withstand flood damage?		x		Table 9.16-5 Potential Flood Losses to Critical Facilities (p.4) and Other Vulnerabilities Identified section (p.4-5) lists the damages to these facilities but no recommendations to retrofit to withstand flood damage		
6.6 Do municipal building codes exceed the state's 2-foot freeboard above base flood elevation requirement?		x		State mandated BFE+2 for single and two-family residential construction and BFE+1 for all other construction (County Hazard Mitigation Plan, Table 9.16-6 Planning and Regulatory Tools, p.6)		
6.7 Have building and permitting officials completed <b>training</b> on retrofitting flood-prone residential buildings?	x			Information provided by the Zoning Board Chair	<b>Training</b> on retrofitting floodprone buildings is available through FEMA.	<a href="https://training.fema.gov/emcourses/crsdetail.aspx?cid=E279&amp;ctype=R">https://training.fema.gov/emcourses/crsdetail.aspx?cid=E279&amp;ctype=R</a>
6.8 Have building and permitting officials completed <b>training</b> in FEMA's <b>Coastal Construction Manual</b> ?			x	Pleasant Valley is not a coastal community	<a href="#">Training on Residential Coastal Construction is available through FEMA.</a>	<a href="#">Coastal Construction Manual</a>
6.9 Have community officials completed post-flood stream intervention training?		x		Information provided by Town Supervisor		
6.10 Does the community provide property owners with guidelines to retrofit existing development for flood and wind risks?	x			Information provided by the Zoning Board Chair		
6.11 Does the municipality utilize any of the following tools to manage development in hazard-prone areas?						
6.11.1 Transfer of development rights or purchase of development rights	x			Ch 98 Zoning: 98-51: Transfer of development rights; purchase of development rights; density management		
6.11.2 Conservation overlay districts or cluster development	x			Ch 98 Zoning Code: 98-6 Establishment of districts, 98-24 Conservation subdivisions and Ch 82 Subdivision of Land		
6.11.3 Zoning for open or recreational space	x			Ch 98 Zoning Code, Comprehensive Plan, Open Space Plan, Ch 53 Wetland Water body and Watercourse Protection		
6.11.4 Protective coastal, riparian and/or wetland buffer ordinances	x			Ch 53: Wetland Water body and Watercourse Protection Ordinance		
6.11.5 Rolling easements		x		The Town does not utilize easements or buy-outs at this time. New development in flood hazard areas is restricted through the code. (Information provided by the Planning Board Chair)		

6.11.6 Buyouts of vulnerable properties		x		The Town does not utilize easements or buy-outs at this time. New development in flood hazard areas is restricted through the code. (Information provided by the Planning Board Chair)		
6.11.7 Other:		x				
6.12 Does the municipality use land-acquisition programs to purchase land-conservation easements in hazard-prone areas?		x		Information provided by the Planning Board Chair		
6.13 Does the community utilize impact fees, accommodation taxes or user fees to acquire properties in hazard areas?		x		Information provided by the Planning Board Chair		
6.14 Does the municipality have a plan for <b>shoreline stabilization</b> ?		x		Not with respect to the only major shoreline, that of the Wappingers Creek. Information provided by the Planning Board Chair	<b>Shoreline stabilization</b> - protecting or restoring natural shorelines have many ecological and resilience benefits.	<a href="http://www.dec.ny.gov/permits/50534.html">http://www.dec.ny.gov/permits/50534.html</a>
<b>Section 6 – Hazard Mitigation Implementation</b>						
6.15 Is the automatic replacement of hardened structures prohibited?		x		Information provided by the Planning Board Chair		
6.16 Are sustainable enhanced methods of shoreline protection encouraged through incentives or regulation?	x			Ch 53 Wetland, Water Body, and Watercourse Protection ordinance		
6.17 Does the community inform property owners of preferred sustainable shoreline protection techniques, including non-structural and ecologically enhanced methods?		x		Information provided by the Planning Board Chair		
6.18 Does the municipality have a plan in place to control invasive plant species, especially near the shoreline?		x		Information provided by the Planning Board Chair		
6.19 Does the community engage in dune, wetland or shoreline restoration?		x		Information provided by the Planning Board Chair		
6.20 Has the community established special area ordinances for habitat preservation?		x		Habitat preservation is encouraged in the Open Space Plan and the community has a Natural Areas and Wildlife in Your Community: A Habitat Summary Prepared for the Town of Pleasant Valley December 2013. Habitat protection is part of the resource analysis required for any new development proposed, whether site plan or subdivision. Consideration of habitat protection should be incorporated into each plan presented (information provided by Planning Board Chair).		
6.21 Does the community utilize impact fees, accommodation taxes or user fees to pay for shoreline protection and restoration, wetland restoration or riparian buffers?		x		Information provided by the Town Supervisor		
6.22 Are community flood control or other protective structures (e.g., levees, flood or sea walls) inspections on schedule?	x			Information provided by the Zoning Board Chair		
6.23 Has the community used any of the following grant programs to implement mitigation projects?						
6.23.1 FEMA Hazard Mitigation Grant Program		x		Information provided by the Town Supervisor	The purpose of the FEMA Hazard Mitigation Grant Program is to help communities implement hazard mitigation measures following a Presidential major disaster declaration.	<a href="https://www.fema.gov/hazard-mitigation-grant-program">https://www.fema.gov/hazard-mitigation-grant-program</a>
6.23.2 FEMA Pre-disaster Mitigation Grant Program			x	Information provided by the Town Supervisor	The FEMA Pre-disaster Mitigation Grant Program is designed to assist States, U.S. Territories, Federally-recognized tribes, and local communities in implementing a sustained pre-disaster natural hazard mitigation program.	<a href="https://www.fema.gov/pre-disaster-mitigation-grant-program">https://www.fema.gov/pre-disaster-mitigation-grant-program</a>
6.23.3 FEMA Flood Mitigation Assistance Program			x	Information provided by the Town Supervisor	The FEMA Flood Mitigation Assistance Grant Program provides resources to assist states, tribal governments, territories and local communities in their efforts to reduce or eliminate the risk of repetitive flood damage to buildings and structures insurable under the National Flood Insurance Program.	<a href="https://www.fema.gov/media-library-data/1455710459301-048a67862580037b30cd640a802a9053/FY16_FMA_Fact_Sheet.pdf">https://www.fema.gov/media-library-data/1455710459301-048a67862580037b30cd640a802a9053/FY16_FMA_Fact_Sheet.pdf</a>

6.23.4 HUD Community Development Block Grants	x		Information provided by the Town Supervisor	The Community Development Block Grant, or CDBG, program provides annual grants on a formula basis to 1209 general units of local government and States.	<a href="https://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/communitydevelopment/programs">https://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/communitydevelopment/programs</a>
6.23.5 Other: Climate Smart Communities Grant Program	x		Climate Smart Communities Grant. Information provided by the Town Supervisor		