

Community Plan Checklist					
Plans, Ordinances, and Codes	Yes	No	Adoption Year	Update Frequency	Notes
Municipal Master Plan	X		1961		Kingston is currently working on a new comprehensive plan targeted to 2025. Timeline is not yet set.
Multi-Hazard Mitigation Plan	X		2009	5 years	This plan is for Ulster County and is currently being updated and will be complete in 2014. The existing one implies that Kingston is not tidal.
Floodplain Management Plan		X			There is flood hazard overlay district (2009) within city zoning ordinance, sec 405-26.
Evacuation Plan		X			Ulster County has a detour evacuation route plan that mostly covers major highways. It is an annex to the county CEMP.
Comprehensive Emergency Management Plan	X			3 Years	Kingston is currently updating this plan.
Continuity of Operations Plan		X			
Disaster Recovery Plan		X			
Long-term Recovery Plan		X			Ulster County has a Long-term Recovery Task Force that was formed in 2005. They mostly deal with unmet human needs on a case-by-case basis.
Capital Improvements Plan		X			Kingston's comptroller maintains collective capital improvements list for all other departments. Ralph Swenson is currently working on a capital project list. Several departments submit lists/plans every 5 years. The water department updates a capital improvement plan every 4 years (see below).
Economic Development Plan/Strategy	X		1998		Kingston Economic Base Diversification Master Plan. No current intention for a new plan.
Coastal Plan or Element	X		1993		Local Waterfront Revitalization Plan
Shoreline Restoration Plan		X			
Open Space Plan		X			The Kingston Climate Action Committee (CAC) is helping to completing a natural resource inventory this year that will feed into an Open Space Plan. The Kingston Land Trust helps to protect open space.
Stormwater Management Plan		X			A draft management plan was written in 2010 but not adopted. Kingston did adopt a Stormwater Ordinance (see below) and releases an annual Storm Water Report.
Historic Preservation Plan		X			There are designated Historic Districts and a Historic Preservation Guidelines document for Kingston.
Zoning Ordinance	X		1925	1963, 1985	Kingston will update zoning again with the 2025 Plan.
Flood Damage Prevention Ordinance	X		2009		
Subdivision Ordinance	X		1949	2005	
Other: Ulster County Comprehensive Emergency Management Plan	X		1988	2007	Kingston Fire Department and hospitals were part of the committee for this plan. Mentions flooding hazard of Rondout and Esopus (not the Hudson) in Kingston.
Other: Zoning Map	X		2008	2012	
Other: Local Waterfront Implementation Plan (LWIP)	X		1999		
Other: Heritage Area (UCP) / LWRP Boundary Map	X				
Other: LWRP Land Use Map Plan	X		1985		

Plans, Ordinances, and Codes	Yes	No	Adoption Year	Update Frequency	Notes
Other: Climate Action Plan	X		2012		
Other: Ulster County Open Space Plan	X		2007		
Other: Storm Water Ordinance	X		2010		
Other: Historic Preservation Guidelines	X		2006		
Other: Economic Base Diversification Master Plan	X		1998		
Other: Kingston Water Department Capital Improvement Plan	X		2012	4 years	
Other: Land Use and Zoning Analysis for County-Owned Properties in Kingston.	X		2012		
Other: Ulster County Non-Motorized Transportation Plan	X		2008		
Other: Kingston Urban Cultural Park Management Plan	X		1987		
Other: Draft Parks and Recreation Master Plan	X		2013		
Other: Kingston CSO Long-term Control Plan	X		2010		
Other: Waterfront Brownfield Opportunity Area Study	X		2010		
Other: Interim Rondout Creek Watershed Management Plan	X		2010		Interim draft, not finalized.
Other: Oil Storage Facilities Study	X		1981		Private study.
Other: Mid Hudson Land Revitalization Environmental Site Characterizations	X		2002		
Other: Marine Infrastructure Assessment	X		2002		
Other: City of Kingston Waterfront Design Standards	X		2002		
Other: Hudson Landing/AVR Final Generic Environmental Impact Statement	X		2008		
Other: Reconstruction and Electrification of the Trolley Track Final Report	X		2008		
Other: Tidal Rondout Creek Watershed Management Plan	X		2013		In process.
Other: East Strand Street Flooding and Stormwater Management Analysis	X		2013		In process.
Other: Harbor Management Plan	X		TBD		In process with the Army Corps of Engineers.

Section 1 – Risk and Vulnerability Assessments		Yes	No	Other	N/A	Notes
1.1	Does the municipality have a localized hazard risk and vulnerability assessment?		X			Rondout Hudson Flooding Task Force (FTF) is completing one for flooding risk along the waterfront.
1.2	Have current and future climate hazards been identified?	X				In the Climate Action Plan.
1.3	Are previously identified coastal hazards and disasters mapped through historical information, existing plans and reports, scientific knowledge, and local knowledge?		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
1.4	Are hazard probability, frequency, magnitude and duration defined?		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
1.5	Is coastal erosion and/or shoreline change identified as a hazard?		X			The UC Multi-Hazard Mitigation Plan incorrectly states that the county is not affected by coastal erosion. They are working now to update this. Also in Process for the Rondout Hudson Flooding Task Force
1.6	Is sea level rise identified as a hazard?	X				In the Climate Action Plan and part of the Rondout Hudson Flooding Task Force. Not yet included in the updated Kingston CEMP.
1.7	<u>Has the municipality adopted the projections of sea level rise from the State Sea Level Rise Task Force?</u>	X				In the Climate Action Plan
1.8	Are extreme temperature and heat waves identified as hazards?	X				In the Climate Action Plan
1.9	Are extreme precipitation and drought identified as hazards?	X				In the Climate Action Plan
1.10	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				In the Climate Action Plan
1.11	<u>Have potential vulnerabilities been prioritized?</u>		X			Yes, in the Ulster County Hazard Mitigation Plan. The Rondout Hudson Flooding Task Force is looking specifically at flooding vulnerability in the waterfront only.
	Probability of a given climate hazard, e.g., high, medium, low		X			
	Likelihood of effect occurrence, e.g., virtually certain/already occurring, high, moderate, low		X			
	Magnitude of consequence, e.g., internal operations, capital and operating costs, number of people affected, public health, economy, and environment		X			
1.12	<u>Have adaptation strategies been identified and categorized?</u>		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
	Type		X			
	Administration		X			
	Condition		X			
	Timing		X			
	Geography		X			
1.13	<u>Have adaptation strategies been evaluated and prioritized?</u>		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
	Strategy cost		X			

Section 1 – Risk and Vulnerability Assessments	Yes	No	Other	N/A	Notes
Strategy feasibility		X			
Timing of implementation		X			
Efficacy		X			
Resiliency rating		X			
Co-benefits		X			
<u>1.14 Have stakeholders linked adaptation strategies to the capital budget and rehabilitation cycles?</u>		X			
1.15 Are maps used to define the spatial extent of coastal hazards?	X				
<u>Flooding, e.g., flood insurance rate maps (FIRMS)</u>	X				Last Ulster County FIS was 2007
<u>Storm Surge: Sea, Lake, and Overland Surges from Hurricanes (SLOSH)</u>		X			The SLOSH model does go to Northern border of Ulster
<u>Erosion, e.g., shoreline change analysis</u>		X			
<u>Cumulative Risk Assessments, e.g., risk and vulnerability assessment</u>	X				COAST and DOS models: in process - Rondout Hudson Flooding Task Force
<u>Sea level rise inundation maps</u>	X				Scenic Hudson is developing these as part of the Rondout Hudson Flooding Task Force
Other: Coastal waterfront overlay map	X				Not yet confirmed
1.16 Are municipal planners and emergency managers trained in use of the following risk mapping tools?					
<u>Flood insurance rate maps (FIRMS)</u>		X			Employees learn on the job.
<u>Sea, Lake, and Overland Surges from Hurricanes (SLOSH)</u>		X			
<u>Shoreline change analysis</u>		X			
<u>Cumulative risk assessments</u>		X			
<u>Sea level rise inundation maps</u>		X			These maps are being developed in the Rondout Hudson Flooding Task Force.
Other:					
1.17 Are emergency managers and planners aware of potential flooding extents in their community?	X				Yes but not documented
1.18 Are emergency managers and planners aware of potential storm-surge heights in their community?		X			Sandy was the first major impact from a storm surge so Kingston is developing this information now.
1.19 Are local planners, emergency managers, and public works officials aware of the location of repetitive loss properties?			X		Only anecdotally, not in an official written document form. FEMA has this information and access is very limited.
<u>1.20 Does the municipality track repetitive loss properties within the National Flood Insurance Program?</u>		X			
1.21 Are maps used to spatially define vulnerabilities in relationship to risks?		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
Populations, e.g., elderly, children, poor, disabled		X			
Buildings, e.g., business and residential		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
Infrastructure, e.g., roads, schools, wastewater treatment facilities, hospitals, public works, power plants		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.

Section 1 – Risk and Vulnerability Assessments	Yes	No	Other	N/A	Notes
Natural resources, e.g., critical habitats, rare species, recreational areas		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
Cultural resources, e.g., historic districts, properties, and landmarks, libraries, museums		X			In Process for the Rondout Hudson Flooding Task Force. Limited to flooding in the waterfront only.
Economic resources, e.g., major employers		X			There is a GIS layer of all businesses in Ulster County that could be used.
1.22 Is the majority of the community in a V-zone or A-zone?		X			No if we are looking at the entire city. There is a lot of valuable waterfront in the A-zone but they do not know percentage.
Does the community contain lands within the Coastal Erosion Hazard Area?		X			
Section 1 – Risk and Vulnerability Assessments	Yes	No	Other	N/A	
Have the areas of the coastline most prone to erosion hazards been identified?		X			
Has the municipality used all authorities that can be applied to restrict or prohibit any activities, development or other actions in such erosion hazard areas, as to minimize damage to property, and to prevent the exacerbation of erosion hazards?		X			
1.23 Has the municipality developed a build-out analysis using existing zoning ordinances?		X			
If so, has the build-out analysis been compared to the extent of storm-surge scenarios?		X			
Has the build-out analysis been compared to projected sea level rise scenarios?		X			
1.24 Have municipal employees utilized any of the following vulnerability assessment methodologies?	X				
Risk and Vulnerability Assessment Tool		X			
Hazard Assessment Tool		X			
HAZUS-MH		X			
Other: DOS, COAST	X				COAST (Coastal Adaptation to Sea Level Rise Tool by Catalysis Partners) and DOS assessment tools - in process - Rondout Hudson Flooding Task Force
1.25 Are municipal employees trained in the use of FEMA's HAZUS-MH?		X			
1.26 Do any plans describe the damage and cost of previous storms, floods, or erosion?		X			The 2025 Plan will include this.
1.27 Do any plans estimate future financial losses that may result from flooding?		X			In process - Rondout Hudson Flooding Task Force. For flooding in the waterfront area only.
1.28 Do any plans estimate future financial losses that may result from sea level rise?		X			In process - Rondout Hudson Flooding Task Force. For flooding in the waterfront area only.
1.29 Have risk and vulnerability assessments been shared with municipal planners, public works officials, transportation planners, and other appropriate municipal, county, or state officials?		X			In process - Rondout Hudson Flooding Task Force. For flooding in the waterfront area only.

Section 1 – Risk and Vulnerability Assessments	Yes	No	Other	N/A	Notes
Direct communication, e.g., email, mailer		X			
Newspaper or newsletter		X			
Website		X			
Public presentations		X			
Other:		X			

Section 2 – Public Outreach and Engagement		Yes	No	Other	N/A	Notes
2.1	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?	X				Rondout Hudson Flooding Task Force
	<u>Participatory mapping</u>	X				Rondout Hudson Flooding Task Force
	Public surveys		X			Rondout Hudson Flooding Task Force has done internal surveys
	Focus groups	X				Rondout Hudson Flooding Task Force
2.2	<u>Does the municipality have publicly visible high water mark</u>	X				On E. Strand and under the tunnel on Broadway.
2.3	Has the public been involved in defining an overall acceptable level of natural-hazard vulnerability?		X			
2.4	Does the municipality provide the public with information on the natural and beneficial functions of floodplains?	X				Engineering presents this in public forums as part of MS4 requirements. The CAC also on a smaller scale, not to full public.
2.5	Does the municipality provide access to floodplain maps?	X				Through the engineering department.
	Does the municipality publicize the availability of floodplain information to property owners and businesses?		X			
	Does the municipality publicize the availability of floodplain information to insurance agents, real estate agents, and lenders?		X			These agencies can contact the engineering department.
2.6	Does the municipality conduct storm-preparedness outreach to floodplain residents and businesses at least once a year?		X			
	Website		X			
	Brochures and newsletters		X			
	Community meetings		X			
	Television or radio		X			
	Other:		X			The DPW makes on-site contact during an event only.
2.7	Does the municipality provide residents with guidance on the development of personal or family evacuation plans?		X			On Ulster County website.
2.8	Does the municipality provide property owners information on what to include in the following?					
	At-home emergency kit	X				Cornell Cooperative Extension (CCE) has posted this information on the Kingston website in the past.
	Emergency supplies		X			
	Evacuation kit		X			
2.9	Does the municipality provide residents with the following information prior to the threat of a storm?					
	Evacuation routes	X				
	Evacuation bus pick-up locations	X				
	Location of Severe Weather Shelters	X				
	Location of Pet Shelters		X			
2.10	<u>Has the community informed residents of ASPCA's disaster preparedness steps for domesticated animals?</u>		X			
2.11	<u>Has the community informed residents of FEMA's Are You Ready? Guide?</u>		X			

Section 2 – Public Outreach and Engagement		Yes	No	Other	N/A	Notes
2.12	<u>Does the municipality actively inform property owners of FEMA suggested means to protect their homes against storm and wind.</u>		X			
2.13	Does the municipality provide the public with flood mitigation information?		X			The building department does when someone is applying to build in the floodplain.
2.14	<u>Does the municipality refer home builders to FEMA’s coastal construction manual?</u>		X			
2.15	Does the municipality employ multilingual and culturally sensitive approaches while providing residents with essential			X		They are currently working to include culturally diverse representation in the 2025 Plan process.

Section 3 – Planning Integration		Yes	No	Other	N/A	Notes
1.1	Does the municipality have an adopted municipal master plan?	X				
	Does the municipal master plan explain the support and involvement of emergency managers, floodplain managers, coastal managers and public works officials?		X			Some of this will be incorporated into the 2025 plan.
	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			Some of this will be incorporated into the 2025 plan.
	Did the preparation of the municipal master plan involve a broad base of the community, such as public officials, civic organizations, businesses, and citizens?	X				Yes, for both the existing and 2025 plans.
	Does the municipal master plan provide a clear explanation of participation techniques used in its development?	X				Yes, for both the existing and 2025 plans.
	Does the municipal master plan identify resilience within its mission, vision, or goals?		X			
	Are hazards addressed among the elements of the municipal master plan?		X			
	Does the plan identify potential coastal-hazard effects on infrastructure, land uses, housing and community facilities?		X			The 1961 Plan encourages development of marinas, parks and beaches along the waterfront.
	Does the plan make recommendations to reduce hazard vulnerability through land-use planning?		X			
	Does the plan identify how often it should be updated?		X			
1.2	Are land uses compatible with coastal hazards?		X			Proposed development in the flood overlay district needs to meet additional regulations on top of the general building code.
	Are floodways and other frequently flooded areas zoned for open space or recreation?		X			Some of these areas are zoned commercial and residential. Kingston Point Park is for recreation.
	Does the community use subdivision regulations to ensure low densities within the floodplain?	X				Kingston used this for the Meadows development along the Esopus.
	Does the community have a local ordinance to protect dunes, bluffs or eroding cliffs from development or disturbance?				X	
	Does the community have a local ordinance to protect wetlands?		X			Kingston uses state DEC wetlands guidance. Kingston has a stormwater ordinance that requires stormwater pollution prevention plans to identify location of wetlands on the site map.
Section 3 – Planning Integration		Yes	No	Other	N/A	
	Has the municipality issued any building permit moratoria?	X				In the past. For example, in the 1990s there was one in conjunction to a DEC judgment.
1.3	Does the community have an open space management plan?		X			They have just begun the process of making one and are doing resource mapping with Hudsonia.
	If so, does the plan identify floodplain management as a priority?				X	

Section 3 – Planning Integration	Yes	No	Other	N/A	Notes
Are managed lands maintained in a manner that provides flood protection?				X	
Is the plan adopted as part of the municipal master plan?				X	
Is the plan updated in coordination with the municipal master plan and state open space plan?				X	
Does the municipality participate in state open space plan updates?		X			
1.4 Does the municipality have a FEMA-approved multi-hazard mitigation plan?	X				They use Ulster County's, which is currently being updated.
Is the plan locally adopted?	X				Kingston is a partner in the county's planning process.
Was a certified floodplain manager included in the hazard-mitigation planning process?		X			One will be used in the updated plan coming out in 2014.
Does the multi-hazard mitigation plan describe the support and involvement of local government departments and offices?	X				
Does the multi-hazard mitigation plan provide a clear explanation of public participation used during its development?	X				The existing draft was available on the website for general comment and all planning meetings were open to the public.
Does the multi-hazard mitigation plan describe past mitigation efforts e.g., shoreline stabilization and land acquisition, along with their costs and effectiveness?		X			
Does the multi-hazard mitigation plan provide a general explanation of the environmental, social and economic consequences of failing to address natural hazards?	X				
Does the plan include municipal maps that indicate local hazard risks, such as flood zones, storm-surge inundation and erosion rates?	X				GIS mapping was very involved in the process.
Does the plan identify erosion as a hazard?		X			The update will include this.
Does the plan identify shoreline erosion as a hazard?		X			The update will include this.
Does the plan identify sea-level rise as a hazard?		X			The update will include this.
Does the plan identify landslides as a hazard?	X				They used the name "slope failure" instead of landslide in order to get funding. This term is used in the language for FEMA's Public Assistance (PA) Program.
Does the plan identify high winds and tornadoes as hazards?	X				
Does the plan identify drought as a hazard?	X				
Does the plan identify extreme heat and heat waves as hazards?	X				
Does the plan identify heavy snowfall as a hazard?	X				
Does the plan identify hurricanes as hazards?	X				
Does the plan specify timelines for completing projects and achieving goals?	X				Timelines have been more of a suggestion, not all goals have been met.
Do mitigation goals correspond with measurable mitigation objectives?	X				Most identified projects were based on hardening infrastructure including roads and bridges.
Is a process for intergovernmental coordination explained for mitigating natural hazards?	X				
Section 3 – Planning Integration	Yes	No	Other	N/A	

Section 3 – Planning Integration	Yes	No	Other	N/A	Notes
Does the plan identify opportunities to incorporate hazard mitigation into existing planning mechanisms, e.g., land-use planning, capital investments, shoreline restoration projects?	X				Yes, into land-use planning and future development
Does the plan identify the state or federally required update frequency?	X				Every 5 years.
Has the municipality reviewed the New York State standard multi-hazard mitigation plan?		X			
1.5 Does the municipality have an adopted floodplain management plan?		X			
Is it incorporated as an element of the municipal master plan?				X	
Is it incorporated in the stormwater management plan?				X	
Is it incorporated in the multi-hazard mitigation plan?				X	
Does the municipality have a certified floodplain manager on staff?		X			
Was a certified floodplain manager included in the planning process?				X	
Was a licensed professional planner included in the planning process?				X	
Does the municipality participate in the National Flood Insurance Program?	X				
Does the municipality have a flood damage prevention ordinance?	X				
1.6 Does the municipality have a stormwater management plan?			X		Kingston has a Stormwater Ordinance and is working on a Watershed plan with Malone and McBroom using grants from DEC and DOS.
Was a certified floodplain manager included in the planning process?				X	
Was a licensed professional planner included in the planning process?				X	
Is the plan locally adopted?				X	
Does the plan identify low-effect regulatory options to decrease runoff, e.g., tree protection ordinances, impervious cover limits, riparian buffers, vegetated drainage channels and cluster development?				X	
Does the plan identify runoff and drainage problems due to impervious surfaces?				X	The ordinance is mostly concerned with runoff quantities.
Does the plan identify constraints if the municipality reaches impervious coverage levels allowed by land-use and zoning designations?				X	
Does the plan describe the municipal responsibilities for inspection and maintenance of stormwater facilities?				X	The ordinance does.
Does the plan identify how often it should be updated?				X	
1.7 Does the community have a capital improvements plan?		X			The Comptroller's office maintains list for projected 5 years of capital improvement to use for requesting funding.
Were a licensed professional planner, engineer, and certified floodplain manager involved in the planning process?				X	
Does the plan consider the threat of coastal hazards when upgrading existing municipal infrastructure?				X	
Does the plan consider the threat of coastal hazards on proposed infrastructure projects?				X	

Section 3 – Planning Integration	Yes	No	Other	N/A	Notes
Does the plan identify the threat of sea level rise on municipal infrastructure?				X	
Does the plan incorporate, if appropriate, existing plans, studies, reports, and technical information?				X	
Does the plan identify how often it should be updated?				X	
1.8 Does the municipality have an economic development plan or strategy?		X			Kingston has a 1998 Economic Based Diversification Master Plan.
Is the community's economic base diversified outside of tourism, maritime industries, and fisheries?	X				Restaurants, arts/culture, media, small shops, and micro-industry.
Does the plan identify economic vulnerabilities due to coastal hazards?				X	
1.9 Does the municipality have a special area management plan, beachfront management plan, shoreline management plan or local waterfront revitalization plan?	X				The LWRP and LWIP.
Do these plans identify the threat of coastal storms and erosion?	X				The LWRP states that erosion and storms are not significant concerns for the coastal area but are for the Lower Rondout Creek.
Do these plans identify the threat of sea level rise?		X			
Do these plans identify the vulnerability of wildlife and habitat to coastal hazards?		X			The LWRP has a map showing natural resource inventory but does not link it with hazards.
1.10 Has the municipality developed a coastal resilience plan?		X			
Has the municipality strived to reduce vulnerability in coastal zones through non-structural measures wherever possible?		X			"The city has looked into creating walkways along the water."
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				In the LWIP and now as a part of the Rondout Hudson Flooding Task Force process.
Have opportunities to reduce vulnerability during recovery and restoration following high-intensity coastal storms been outlined?		X			In process - Rondout Hudson Flooding Task Force.
Regional Sustainable Planning	Yes	No	Other	N/A	
1.11 Is the municipality involved in regional sustainable planning?	X				The Mid-Hudson Sustainability Plan, The Ulster County Non-Motorized Transportation Plan.
1.12 Has a baseline assessment of the region, as well as assessment of natural resource and economic assets, liabilities and opportunities been completed?			X		In process for the Mid-Hudson Sustainability Plan.
1.13 Have long-term and short-term sustainability goals for the region, including sustainability goals for energy supply, transportation, water management, waste management, land use, open space, agriculture, housing and economic development, been established?			X		In process for the Mid-Hudson Sustainability Plan.
1.14 Has an outline for annual reporting been established?	X				

Section 3 – Planning Integration	Yes	No	Other	N/A	Notes
1.15 Have actions to achieve sustainability goals, including barriers to successful implementation and proposed means for removing such barriers, been defined?	X				
1.16 Has an implementation plan showing how the participating municipalities will collaborate and a schedule with timetables of targeted milestones and completion dates for actions been included in the overall plan?		X			
1.17 Has stakeholder involvement throughout plan development and implementation been outlined?	X				
1.18 Is the municipality involved in a regional land-use plan?				X	No formal regional land-use plan that I could find.
1.19 Has the community calculated the ratio of land conserved to land developed?		X			The Kingston Land Trust could do this.
1.20 Does the municipality have a stream management program?		X			This could potentially come out of the Watershed Management Plan.
1.21 Has the community calculated the percentage of the regional water supply governed by rule curves?		X			

Section 4 – Disaster Preparedness and Recovery				Yes	No	Other	N/A	Notes
4.1	Is the municipality recognized as a Storm Ready Community?		X					
4.2	Does the community have an emergency warning system?			X				They utilize NYAlert, no outdoor audible system, they bought citywatch from homeland security before they switched to NYAlert. The Ulster County sheriff's department uses Nixle to rebroadcast what the national weather service is already putting out. Art provides notice for major events and reservoir levels during flooding events to email groups.
4.3	If the community is located along a river, does it have an early flood-warning system?		X					Emails from Art and NY Alert informally cover this.
4.4	Does the community relay weather related threats to the public in at least two forms of communication?	X						The fire department contacts local media. Ulster County contacts ~100 media people including radio and newspapers.
4.5	Does the community have an emergency response and short-term recovery plan and/or a flood response plan?	X						Kingston's CEMP.
	Does the plan describe a hierarchy of authority during emergencies?	X						
	Does the plan identify first responders?	X						
	Does the plan include a list of contacts for operators of municipal facilities?	X						
	Is the plan a municipal plan?	X						
	Is the plan a county or state plan?		X					Kingston uses both in addition to their own CEMP.
	Does the plan indicate the required update frequency?	X						Most done on a 3 year cycle, Ulster County is behind in their update, with Irene and Sandy a lot of priorities have shifted. Also updating the hazard mitigation plan, which has a strict deadline with FEMA
	Does the plan include organizational framework to conduct a preliminary damage assessment?		X					
	Does the plan include steps for emergency debris removal?		X					
	Does the plan include steps for emergency protective measures e.g., sandbagging, erecting warning devices, and search and rescue?	X						Some of this is in Ulster County's plan.
4.6	Are the best available projections concerning the frequency and severity of extreme storm events incorporated into the municipality's emergency response/operations plan?			X				Part of any CEMP should use a hazard analysis, in NY it is called HASNY. Ulster County's most common hazard is HAZMAT in transit (train) and at fixed sites.
4.7	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						Yes, in Ulster County plan.

Section 4 – Disaster Preparedness and Recovery	Yes	No	Other	N/A	Notes
4.8 Does the community have a designated emergency operations center?	X				Yes, in Ulster County plan, at the law enforcement center/new jail.
Is it located outside of flood-hazard areas?	X				Yes, in Ulster County plan.
Is it designed to withstand high winds?	X				Yes, in Ulster County plan.
Does it have back-up power?	X				Yes, in Ulster County plan.
4.9 Does the community have a designated storm shelter either in or outside of its municipal boundaries?	X				467 Broadway and medical center at 103 Broadway.
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	
Is the storm shelter located outside of flood-hazard areas?	X				
Is the storm shelter located outside of the possible extent for storm surge inundation?	X				
Are storm shelters designed to withstand high-wind effects?			X		It is a brick building but it also has a lot of windows.
4.10 Does the community have an evacuation plan?		X			
Are responsibilities for municipal evacuation clearly defined?				X	
Does the plan identify the necessary time frame to evacuate residents and vacationers from storm-hazard areas?				X	
Does the plan identify where evacuation routes are prone to flooding?				X	
Is there more than one route identified to evacuate the community?				X	
Does the plan identify the conditions that would spur a lane reversal?				X	
Does the plan identify local and state evacuation assistance programs for the following special needs?				X	
Hospitals				X	They have their own emergency plans
Nursing Homes				X	They have their own emergency plans
Prisons				X	They have their own emergency plans
Residents without personal transportation				X	Ulster County has an understanding with UCAT to provide transportation during times of need
Elderly				X	Ulster County keeps a database of these people
Disabled				X	Ulster County keeps a database of these people
<u>4.11 Does the municipality inform residents of the NY-Alert program?</u>	X				Kingston's new CEMP will do this.

Section 4 – Disaster Preparedness and Recovery	Yes	No	Other	N/A	Notes
<u>4.12 Does the municipality have a volunteer community emergency response team (CERT)?</u>		X			
4.13 Does the community have a portable communications system that can operate under poor weather conditions and when electrical power is not available?			X		Ulster County has a mobile communications van.
4.14 Is there an adequate heat-warning system in place?		X			They have set up cooling shelters in the past during extended heat waves, very underutilized. This is the case in general for Ulster County, people are pretty resilient and don't utilize shelters.
4.15 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			Ulster County has taken some of this into consideration and recommend people use existing facilities, ie. libraries and malls.
4.16 Does the community have a continuity of operations plan?		X			
Does the plan provide guidance on post-disaster waste management and debris removal?					
Is machinery for debris removal located outside of flood hazard areas?	X				At City Hall
Are routes to waste-disposal facilities passable in the event of a flood?	X				Most municipalities had separate, free waste disposal options during Sandy/Irene. Use transfer stations.
Are there temporary waste-disposal staging areas indentified in the case of a disaster?					Mostly use current landfills.
4.17 In the event of a disaster, are procedures defined to conduct habitability and substantial damage assessments?					They will use local code and enforcement officials, used CEDAR (Code Enforcement Disaster Assistance Response) teams in last storm.
<u>4.18 Does the community have a long-term recovery plan?</u>		X			Ulster County has a long-term recovery task force since 2005, they have an informal plan.
Does the plan identify redevelopment opportunities outside of flood-hazard areas?				X	The task force's plan looks at short term housing.
Does the plan advocate the use of advisory flood maps to define post-disaster redevelopment building elevations?				X	Very hard to get local code enforcement to enact rule that if house is damaged over 50% it needs to be built to new standards and 2 ft higher than 100 yr flood because the homeowners are already faced with costs of repair.
Does the plan identify opportunities to retrofit or relocate existing structures or infrastructure in hazard-prone areas?				X	This is in the Ulster County Multi-Hazard Plan
Does the plan utilize risk and vulnerability mapping to determine the location of future development?				X	This is in the Ulster County Multi-Hazard Plan
Has the community identified the lines of coordination in transitioning from short-term to long-term recovery?		X			The long-term recovery task force has both short and longterm responders/stakeholders.

Section 4 – Disaster Preparedness and Recovery	Yes	No	Other	N/A	Notes
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	
Does the plan identify roles and functions of elected and appointed officials, state and federal agencies, and NGOs?				X	The CEMPs and Multi-Hazard Plans do.

Section 5 – Hazard Mitigation Implementation	Yes	No	Other	N/A	Notes
<u>1.1</u> Has the municipality taken the Climate Smart Communities Pledge?	X				
<u>1.2</u> Has the municipality created a local Climate Action Plan?	X				
<u>1.3</u> Is the municipality active in the National Flood Insurance Program's Community Rating System?		X			
1.4 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			Not officially, just in passing.
1.5 Has the municipality used its multi-hazard mitigation plan to propose retrofitting public buildings, critical facilities and other infrastructure to withstand flood damage?		X			
1.6 Do municipal building codes reflect the state's 2-foot freeboard above base flood elevation requirement?	X				
1.7 Do municipal building codes exceed the state's 2-foot freeboard above base flood elevation requirement?		X			
1.8 Have building and permitting officials completed training in FEMA's Coastal Construction Manual?		X			
<u>1.9</u> Does the municipality provide property owners with guidelines to retrofit existing development for flood and wind risks?		X			
1.10 Have building and permitting officials completed training on retrofitting flood-prone residential buildings?		X			Not that we know of.
1.11 Does the municipality utilize any of the following tools to manage development in hazard-prone areas?		X			
Transfer of development rights or purchase of development rights		X			
Conservation overlay districts or cluster development		X			Flooding overlay district in code.
Zoning for open or recreational space		X			
Protective coastal, riparian and/or wetland buffer ordinances		X			
Rolling easements		X			
1.12 Does the municipality use land-acquisition programs to purchase land-conservation easements in hazard-prone areas?		X			Kingston Land Trust and other groups do.
1.13 Does the community utilize impact fees, accommodation taxes or user fees to acquire properties in hazard areas?		X			
<u>1.14</u> Does the municipality have a plan for shoreline stabilization?		X			
1.15 Does the municipality inform property owners of preferred shoreline stabilization techniques?		X			Kingston Economic Development has a grant to work on this with the Army Corps of Engineers.
1.16 Has the municipality prohibited shoreline hardening structures and started to phase out existing hardening structures?		X			

Section 5 – Hazard Mitigation Implementation	Yes	No	Other	N/A	Notes
1.17 Does the municipality have a plan in place to control invasive plant species, especially near the shoreline?		X			
1.18 Does the municipality engage in dune and/or wetland restoration?			X		Beach sand restoration every few years.
1.19 Has the municipality established special area ordinances for habitat preservation?		X			Habitat assessment map completed but there are no ordinances.
1.20 Does the community utilize impact fees, accommodation taxes or user fees to pay for shoreline stabilization and restoration?		X			
1.21 Has the community used any of the following grant programs to implement mitigation projects?					
<u>Hazard Mitigation Grant Program</u>	X				This is now in process for the WWTP.
<u>Pre-disaster mitigation</u>		X			
<u>Flood mitigation assistance</u>		X			
<u>Repetitive loss claims</u>		X			
<u>Severe repetitive loss</u>		X			
<u>Community Development Block Grants</u>	X				Kingston is an entitlement community
<u>Coastal Zone Management Administration Awards</u>		X			
<u>Coastal and Estuarine Land Conservation Program</u>		X			
<u>Wetland Program Development Grants</u>		X			
Other:					