

Water Sub Committee

NAME OF INITIATIVE	Description	Key Implementation Milestones	Measurable Progress	Potential Key Partners	Staffing Needed	Funding
Preserve the Alcove reservoir as the primary long-term water supply source for the City of Albany	Working with the Department of Water & Water Supply, develop Sustainability Plan for the Source water supply (Alcove Reservoir) for the City of Albany.	<p>TASK 1: Develop a Flow Diagram that illustrates the Albany Water Department's stewardship role in managing the fate of water from supply to disposal.</p> <p>TASK 2: Determine current safe yield for the Alcove reservoir and potential supplemental supply from the Basic Creek reservoir</p> <p>TASK 3: Conduct a vulnerability assessment and identify threats to the long term viability of the Alcove/Basic Creek system as the water supply for the City.</p> <p>TASK 4: Identify and research sources for short, medium, and long term climatological forecasts for the Northeastern US and related hydrologic and environmental impacts to the Alcove and Basic Creek watersheds.</p> <p>TASK 5: Draft Action and Management Plan to preserve the Alcove/Basic Creek as the City's primary water supply source for the next 100 years.</p>	Tasks 1, 2 and 4 are completed. Subcommittee identified parameters that characterize "sustainability" relating to water resources in general, and specifically the Alcove Reservoir, and to quantify the critical numbers and key performance indicators that will measure the elements of sustainability that are being promoted in the sustainability plan for the Alcove as the source water supply for the City. These include "safe yield" of the reservoir and percentages of the watershed that are assigned to active timber management, inactive forest, agricultural and residential. These will	City of Albany Department of Water & Water Supply; National Weather Service; United States Geological Survey; US Environmental Protection Agency; NYS Department of Environmental Conservation; The Nature Conservancy.	AWD staff will provide technical support.	Albany Water Board and Department of Water & Water Supply Operating Budget.
Determine Critical Numbers and Key Performance Indicators	Working with the Department of Water & Water Supply, review historic data and benchmark indicators	Recommend water source quality and quantity metrics that may be used to complete the vulnerability assessment and kpi/critical numbers (safe yield, turbidity, chlorophyll, Total organic carbon, algae identification and enumeration, etc.)				
Develop a water conservation program	Reduce lost water and non-revenue water	<p>Task 1: Quantify all metered and estimate all unmetered water use; determine quantity and sources of water loss.</p> <p>Task 2: Investigate areas where water consumption may be reduced through increase emphasis on conservation</p>	this is deferred to 2017			
Review and Update City Code Chapter 371; "Water and Waterways", and other relevant City Codes to implement Best Practices as identified in the Draft Action and Management Plan and in relation to the latest climatological and sea-level rise forecasts.			this is our primary goal for 2017			
Review NYS Watershed Rules and Regulations				Area towns located in the watershed of the Alcove and Basic Creek Watershed	Coordinate with AWD Forester	