

APW-05

Asset Management Plans

Albany Water Board, Cohoes, Watervliet, Green Island

Project Description:

Provides each community with assistance in developing asset management plans to improve long term management of capital investments for operation and maintenance of their collection systems. Scope to be further developed within the established budget based upon the goals and needs of each community.

Purpose:

Allows for prioritization of rehabilitative measures based upon condition and criticality of infrastructure. Helps to reduce the risk of failure of critical infrastructure and improves reliability of the collection system to convey wastewater to the WWTP for treatment during dry and wet weather conditions.

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Consent Order Milestones	Date Milestone Met
Task Start Date: 4/1/16	4/1/16
Task Completion Date: 12/1/17	12/1/17

SPDES Permit #s	NY 002 5747, 003 1046, 003 0899, 003 3031
LTCP Projected Project Cost (Millions)	\$0.35 (aggregate)
Total Cost (minus in-kind)	TBD
Owned By	N/A
CSO Outfall No.	N/A
Grant Funding or other sources	WQIP for a portion of the mapping work accomplished by the Stormwater Coalition of Albany County

Project Status:

1/08/15: Awaiting asset management plan guidance from DEC, which will be helpful for this task. 2/12: Troy and Rensselaer will be meeting with DEC at the end of the month to discuss these plans. We anticipate these final plans to drive development and content of AMPs for west side communities.

4/9/15: Under discussion for several months, plans on the east side continue to be modified and negotiated with DEC. West side communities awaiting approved plans from east side communities prior to developing their own. **(continued next page)**

4/14/15: Troy, RSCD, and Rensselaer have submitted revised plans to DEC for consideration.

6/11/15: The Pool is interested in the newly announced DEC Asset Management Plan Pilot Program and eagerly await the formal announcement.

1/14/16: The complimentary Sewer System Operations, Maintenance, and Inspection Plans have been submitted to DEC - plans that will help shape the Asset management program. The "west side" pool communities have elected not to apply to the DEC pilot program.

4/14/16: The City of Albany is taking a lead role in preparing their Asset management plan, which other communities may model upon for format and consistency. Albany has begun inventory and assessment of programs that may manage the AMP, maps, and reports.

7/14/16: A Gap Analysis was completed with AWB management and senior staff from the operations, engineering, finance and administration functions who will comprise the Asset Management Steering Team. This workshop identified strengths, weaknesses and gaps in asset management practices, identify potential quick wins, and identify asset management elements for implementation. The gap analysis followed the WERF SAM GAP framework. The AMP will be aligned with recognized guidance documents including the NYS DEC Asset Management Guide, US EPA AM Best Practices Guide, and New Zealand AM Support Group International Infrastructure Maintenance Manual. The major components of the AMP will include formal roles and responsibilities, goals and objectives, levels of service, asset inventory, valuation, risk exposure, condition assessment, maintenance strategies, repair and replacement strategies, and budgeting. In addition the City has been implementing programs to support elements of the Asset Management program These include updating the existing Geographic Information System and converting existing files into the Local Government Information Model (LGIM), and performing sewer condition assessment of critical assets including very large diameter combined sewers that have a high consequence if they fail.

3/1/17: Watervliet, Green Island, and Cohoes are working through an Albany County Stormwater Coalition grant and are engaged in mapping and inventorying their MS4 and CSO systems. The map work will be major driver that feeds their Asset Management Plans. Cohoes has shared all our data with the coalition and a status meeting is to be held the end of April. Green Island is about 95% done with mapping of both CSO and MS4 system. The only areas that remain are two streets, Albany and Saratoga Avenues that were separated within the last few years; other areas have been mapped.

9/15/17:

Watervliet: The City has completed mapping and measuring the depths of the pipes. The map and depth data will be included in the Plan.

Cohoes: The City has received a proposal from Arcadis and CHA to author the plan. **(continued next page)**

Green Island: The Village has received a proposal from Arcadis and CHA to author the plan.

Albany: Arcadis is making final revisions to the City of Albany Plan.

1/11/18: The City of Albany submitted its final AMP to DEC on November 1, 2017. The City of Cohoes, City of Watervliet and Village of Green Island submitted their final AMPs to DEC on December 1, 2017.

2/8/19: The Department provided comments on December 10, 2018 in letters to Albany, Green Island, Watervliet and Cohoes. On February 1 the City of Albany submitted, under separate cover, their updated Asset Management Plan and responses to Department's December 10, 2018 letter. On February 8, 2019, Cohoes, Watervliet and Green Island submitted their response to the Department. Having confidence that the responses will satisfy the Department and allow the communities to continue to move forward in the implementation of their respective Asset Management Programs, the communities trust that this task is complete.

Both East and West side communities' costs will be eligible for cost share because communities on the West side will coordinate efforts to develop plans that are consistent.