

The Adirondack Gateway Council (AGC) determined that an analysis of current and future sanitary sewer needs in the region was warranted due to lack of future capacity in Town of Queensbury, Warren County as well as a lack of current capacity in the Town of Moreau, Saratoga County, and Town of Kingsbury, Washington County. There are also current and future operational and capacity issues at the Washington County Sewer District #2 wastewater treatment plant and City of Glens Falls waste water treatment plant. The consultant team of Barton & Loguidice was engaged to develop a comprehensive and strategic report that includes recommendations to address long-term collection, conveyance and treatment options for wastewater and to address sanitary sewer needs and issues for a 20 year horizon.

The team met with leaders of each community to review the unique needs of each and gather pertinent reports and studies including sanitary sewer studies, comprehensive plans, zoning maps and related documents. Working with a technical subcommittee, the engineers developed projections for the 20-year horizon to determine long-term sewer needs.

A two-pronged method was used to determine a realistic estimation of future sewer needs in the region. The first method projected future populations of the communities based on a 2040 horizon using a log-linear population projection. The second method utilized three types of potential growth identified by member communities and the use of county tax parcel information. These areas of growth consist of the following:

Areas currently serviced by private on-site sewage systems that have public sewer readily available,  
Infill population growth within impacted communities, and  
Known proposed developments requiring new infrastructure.

The summary of these projections are as follows, expressed in millions of gallons per day (MGD):

- The current year average daily flow is 5.3 MGD
- The current year peak hourly flow is 16.1 MGD
- The projected year 2034 average daily flow is 8.8 MGD
- The projected year 2034 peak hourly flow is 23.2 MGD

The analysis included a review of Smart Growth principles each community could incorporate to maximize efficiencies, minimize costs and otherwise conserve resources. Smart Growth principles were applied so the sewer systems would comply with the NYS Smart Growth Public Infrastructure Policy Act and to:

- Promote development projects in developed areas or in areas identified for development in a comprehensive plan, local waterfront revitalization plan or brownfield redevelopment plan.
- Promote community based planning and collaboration
- Use, maintain or improve existing water and sewer services
- Locate public infrastructure within municipal centers

Based upon these projections and analysis, recommended phased improvements were developed. These improvements will cost an estimated \$102 million. They include:

- 36 miles of collection and conveyance piping (replacement of existing and construction of new piping)
- 14 pump stations (new stations and existing stations to be rehabilitated)

- More than \$20M of process improvements at the Glens Falls and Washington County Sewer District No. 2 Wastewater Treatment Plants

Various community and AGC meetings were held in 2014 to provide a summary of the draft and final report to the public and community stakeholders in order to solicit public comment and input, including:

September 16, 2014 at the Washington County Operations Building. Presentation of draft report to the public, various community stakeholders, local/state officials and HUD officials

September 17, 2014 at the Town of Moreau Community Center. Presentation of draft report to the public, various community stakeholders, local officials and HUD officials

September 24, 2014 at the Crandall Library. Presentation of draft report to various AGC members. Draft report was distributed to all involved communities.

October 3, 2014 at the Town of Queensbury Water Treatment Plant. Presentation of draft report to the Town of Queensbury staff and local officials

October 14, 2014 at the Washington County Sewer District #2 WWTP. Presentation to the public, WCSO staff and local officials from Washington County

Draft comments were due to B&L October 17, 2014

October 31, 2014 at the Crandall Library. Presentation of final report to various AGC members. Final report was distributed to involved AGC communities.

November 7, 2014 at the Glens Falls WWTP. Technical subcommittee met to review final report and next steps.

December 12, 2014 at the Crandall Library. Presentation of final report and next steps to the various AGC communities in attendance.

December 2014 – final report was submitted to HUD by the AGC