

Town of Hampton, New Hampshire

Capital Improvement Plan – Public Works Department

WWTP Facilities Plan Projected Cost 2013 - \$150,000

The goal of this project is to update the 201 Facilities Plan produced in 1986 by Underwood Engineers, to address new requirements anticipated to be issued with the new NPDES permit issuance in 2012 -2013 and review all plant operations and needs for future improvements.

The town built the first wastewater treatment plant (WWTP) in 1936. The facility was upgraded in 1975 through 1977 to provide secondary treatment. In 1979, the town voted to update the master plan by preparing a 201 Facilities Plan. It wasn't until 1983 work on the plan started and in 1984 a sewer system evaluation study was performed which was the basis for the 201 Facilities Plan. The plan identified problems in five categories:

1. Construction to replace pumping stations
2. Construction to replace overloaded sewers
3. Construction to serve areas with failing septic systems
4. Construction for WWTP improvements

Expansions and upgrades throughout the years have not kept up with the necessary maintenance and repair of these facilities. This came to light recently when major problems developed at the WWTP which resulted in the NH DES issuing an order to the town requiring certain improvements. In addition, the town's 5 year EPA wastewater discharge permit has expired and it is anticipated that the new permit will include a number of new requirements and parameters that will be expensive to address.

The new Facilities Plan will review the condition of the existing plant and the new NPDES requirements along with consideration of future growth and potential energy savings as the basis for formulating recommendations and a plan for necessary improvements.

