

2005-to-Present- Worked with the engineering and water resources divisions to design and retrofit new motor controls, pump controls and automatic transfer switches at A43, A42, A41 and A39 to replace existing obsolete MCC and ATS.

2006-to-Present- Working to standardize all electrical equipment to allow interchangeability between stations. This will allow us to keep a smaller inventory of parts.

RECENT EFFICIENCIES AND COST SAVING MEASURES - EXAMPLES SINCE PREVIOUS CRTO:

- 1) Incorporate computer tablets and hand-held devices for field use to eliminate monitoring at S-2 master pump station – In the past there was a requirement that a staff member be present at the master pump station to monitor activity of pumps and any alarms. That position was unnecessary when technology provided a means of monitoring this information remotely via cell phones and/or tablets. The personnel who previously were “watch-standers” for this function were able to be reassigned to perform more field work including inspections and repairs.
- 2) Modification of truck #532-70 to incorporate television equipment for surveillance and repair – The Town staff had previously inspected the sewer collection piping only with small portable cameras that did not afford the optimum level of viewing and recording of this important infrastructure. Using a replacement vehicle purchased with Equipment Replacement Fund depreciation, the newly purchased sewer inspection camera and software has provided much greater capability and at a lesser cost than purchasing commercially available vehicles/equipment or contracting them to do the work.

PLANNED FUTURE EFFICIENCIES AND COST SAVING MEASURES

Continue to seek out opportunities to upgrade equipment and controls to provide most cost-effective and efficient systems.

Subject to Town Council approval, consider seeking proposals from consultants to minimize the inflow and infiltration of rainwater and groundwater into the sanitary sewer collection systems. For example, during significant rainfall events the amount of sewage effluent pumped to the regional treatment plant increases. In an effort to reduce the cost of pumping and treating that effluent it is necessary to determine how the inflow and infiltration is occurring and what the required cost/effort is to mitigate or eliminate those causes.

OPTIONS FOR COST SAVINGS

Recommendation for Cost Savings: Cap-off and connection inspections are required when a private sewer lateral connection is installed or repaired and whenever a connection inspection is performed. Approximately 70 inspections are completed annually, requiring about 140 man-hours. A fee for this service is already included in the Town’s fee schedule (currently \$150 each typically) and the re-inspection fee is the same amount if the work requires an

additional inspection. As an incentive/deterrent to contractors performing deficient work that requires re-inspection by Town staff, the follow-up inspection fee could be increased. The re-inspection fee could be increased to \$300 each.

Cost Savings/Revenue: 20 re-inspections @\$300 = \$6,000 annually

Comments: The inspections are required and if contractors are motivated to ensure the work is done properly, then re-inspections should decrease. This is both a compliance issue and a revenue but would ultimately improve efficiency and reduce wasted time by Town staff.

Impacts of Option: Work will be done right the first time by contractors to avoid the higher fees for a second visit, allowing the Town employee to utilize their time more efficiently in other required job functions.