

Attachment 6 – Proposal Monitoring

J.B. Latham Treatment Plant Water and Energy Efficiency Project

and

Coastal Treatment Plant Water and Energy Efficiency Project

The South Orange County Wastewater Authority (SOCWA) will monitor the performance of the J.B. Latham Treatment Plant (JBLTP) and Coastal Treatment Plant (CTP) Water and Energy Efficiency Projects by:

- Tracking the status of completion of Project work plan tasks to maintain the Project schedules. Regular construction administration and management reports will be prepared that will describe the tasks accomplished and yet to be done, as well as the expenditures.
- Monitor the status of the Project budgets to compare actual costs with estimated costs. Regular administration and management reports will be prepared that will compare actual expenditures by task with the budget.
- Actual water savings will be measured using meters at each site. Water use records pre-project implementation will be compared with the water bills/usage after the JBLTP and CTP Projects have been completed. The difference will be reported as the actual water savings due to the Projects. This actual water savings will be compared with the estimated water savings to assess the performance of the Projects.
- Actual energy savings will be measured. For the JBLTP Project, the electrical power production from the cogeneration system will record the digester gas utilization and associated power generated in kWh per day. For the CTP Project, the power saved by the high-efficiency blowers will be measured by electric power meters. SOCWA will use this information calculate the energy savings attributable to the Projects by comparing pre-Project records with the post-Project records.
- Greenhouse gas (GHG) emissions will be calculated based on the water conserved and energy savings using the GHG output emission rate for the SOCWA region. The GHG emission reduction achieved will be compared with the projections to determine the performance of the JBLTP and CTP Projects.

As noted in the Work Plans, the performance of the JBLTP Project and CTP Project will be regularly monitored individually and collectively and reported to DWR as required by the terms of the Program Guidelines and Proposal Solicitation Package for grantees and in accordance with the grant agreement to demonstrate compliance with the goals of the Program.