



UTILITIES DEPARTMENT

TO: Scott Swearengen, *Long Range Planning Manager*, Planning Department

FROM: Joel Brown, *Interagency Water Manager*, Utilities Department

SUBJECT: Response to SWFWMD March Letter RE: Pinellas County 22-1ESR

DATE: April 6th 2022

Regarding comments provided in the above referenced letter, and after discussion with SWFWMD review staff, I respectfully provide the following responses:

Regional Water Supply

1.) The Work Plan must include water supply demand projections for a ten-year planning horizon. Demand projections are provided, but they seem somewhat low for the service area. Additional explanatory information is needed supporting the adequacy of these projections. The information provided should address the population planned for and level of service. Alternatively, the District has generated water demand and population projections to help with the development of the work plan. If this resource is used, no additional explanatory information is necessary. The projections can be found at the following link: <http://www.swfwmd.state.fl.us/documents/plans/RWSP/comm-sheets/>

Response:

The demand projections were based upon the District's 2020 Regional Water Supply Plan Demand Projections, Table 15, which indicate a projected population served ranging from 504,010 in 2020 to 526,816 in 2030, with corresponding Projected Water Demands of 39.6mgd in 2020 and 41.3mgd in 2030. A reduction of 2mgd in the total demand of the Pinellas County Water Demand Service Area (PCWDPA) from FY22/23 to FY 23/24 is attributable to the City of Clearwater, a wholesale customer, indicating their intention to reduce their daily wholesale purchases at that point per their most recent Master Water Plan.

2.) The Work Plan is to include a thorough inventory and capacity analysis of the components of the water supply system. The plan includes budget information for water supply distribution and transmission, but the information is somewhat incomplete due to the lack of support analyses addressing the supply system's existing conditions and issues/challenges for the future. Please address.

Response:

Attached is a more detailed list of the CIP projects included in the Work Plan spreadsheet (Appendix A -Exhibit A). These activities include but are not limited to: Upgrades to treatment facilities, storage tank rehabilitation, improvements at two booster stations (580 and Gulf Beach), and substantial allowances for infrastructure relocations and future projects.

3.) The Work Plan should quantify the extent to which water conservation, including alternative supplies, could offset demand over the course of the ten-year planning horizon. Conservation projections are included in the work plan but how the savings would be accomplished and the role of the quantities in addressing water demand are unclear. Please address how quantities available from reuse and conservation during the planning horizon help with water supply demand.



Response:

The County is in the process of finalizing a contract with a vendor to implement Advanced Metering Infrastructure (AMI) on all potable water accounts and reclaimed accounts. Implementation of this program will allow for better demand monitoring and enforcement of usage violations thereby reducing potable demand and increasing efficiency of reclaimed water offsets. In addition, the County has submitted a CFI application to the District for FY23 to explore options for expanded reuse potential as referenced in the District's 2020 Regional Water Supply Plan, Table 5-3, Lake Seminole IPR-SWIM Reuse Option.

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