

STAFF REPORT*CITY OF OCEANSIDE*

DATE: May 20, 2015

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **APPROVE PLANS AND SPECIFICATIONS FOR THE SAN LUIS REY WATER RECLAMATION FACILITY – CONSOLIDATION OF ELECTRICAL METERS AND SERVICES PROJECT AND AUTHORIZE THE CITY ENGINEER TO CALL FOR BIDS**

SYNOPSIS

Staff recommends that the City Council approve the plans and specifications for the San Luis Rey Water Reclamation Facility – Consolidation of Electrical Meters and Services Project; and authorize the City Engineer to call for bids.

BACKGROUND

The San Luis Rey Water Reclamation Facility (SLRWRF) has the maximum amount of electrical secondary meters allowed per SDG&E guidelines. Upcoming recycled water treatment expansions and upgrades require additional electrical supply. In order to accommodate the additional electrical service at the Facility, SDG&E mandates that the City install a Primary Metering Station and install a high voltage loop within the Facility. Since there are multiple sustainable energy facilities on site, this consolidation work required a study for both acceptance from SDG&E and phasing requirements to verify the feasibility of the project and to minimize the operational impact to the Plant. All of these factors are incorporated into the design and construction phasing of this project.

On May 7, 2014, City Council approved Amendment 1 to the Professional Services Agreement with Engineering Partners, Inc. (EPI) for design of this project. EPI has assisted the City in coordination with SDG&E and the SLRWRF Operations staff to not only design and locate the primary metering facility, but also to coordinate the phasing for the complex construction sequencing.

ANALYSIS

This project consists of three distinct phases:

- Phase 1 – construction of the new primary metering facility and new conduit runs, including the portion behind the digesters to complete the electrical conduit loop around the entire facility;

- Phase 2 – Remove SDG&E wires, transformers, and meters from the west side of the Facility and install the new high voltage wires and transformers while maintaining electrical service through portable generators; and
- Phase 3 – Remove SDG&E wires, transformers, and meters from the east side of the Facility and install the new high voltage wires and transformers while maintaining electrical service through portable generators and final start-up and testing of the entire project.

Staff anticipates commencement of work in May 2015, and estimates that the project will be completed in approximately 12 months. The actual construction is estimated to start in November due to the long lead time of the SDG&E primary metering equipment.

In order to fulfill the CEQA requirements for this project, the project has obtained a Categorical Exemption. SDG&E also performed their own environmental study for the primary metering station and concurred with the City's CEQA Determination.

FISCAL IMPACT

The approved FY 14/15 budget for the San Luis Rey Electrical Upgrades Project (909130400722) is \$1,486,000. There is \$1.454 million currently available. The engineer's estimate for this project is \$1.4 million. Therefore, sufficient funds are available to complete this project. Sewer Charges for service in Sewer Fixed Asset Replacement account 722.4476.0001 is the funding source for this project.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission received an update at its regularly scheduled meeting on May 11, 2015.

CITY ATTORNEY'S ANALYSIS

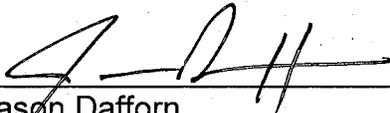
The referenced documents have been reviewed by the City Attorney and approved as to form.

RECOMMENDATION

Staff recommends that the City Council approve the plans and specifications for the San Luis Rey Water Reclamation Facility – Consolidation of Electrical Meters and Services Project; and authorize the City Engineer to call for bids.

PREPARED BY:

SUBMITTED BY:



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REVIEWED BY:

Peter Weiss, Assistant City Manager



Scott O. Smith, City Engineer



Jane M. McPherson, Interim Financial Services Director



Exhibit A: Project Location Map



**New High Voltage
Electrical Service Looped
Around Entire Plant**

**New Primary
Metering Facility**

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