

METRO JPA/TAC
Staff Report
Date: May 15, 2019

Project Title:

SBWRP Ultraviolet Disinfection (UV) System Replacement

Requested Action:

Recommendation to the Metro Commission to award for construction contract

Recommendations:

Approve the construction award contract and forward the recommendation to the Metro Commission

Metro TAC:

To be submitted for consideration

IROC:

N/A- This project is included in the approved Metro CIP budget and does not require IROC review.

Prior Actions:
(Committee/Commission,
Date, Result)

None

Fiscal Impact:

Is this projected budgeted? Yes x No

Cost breakdown between
Metro & Muni: 100% Metro

Fiscal impact to the Metro
JPA: 33.5% of \$4,800,000.00 = \$1,608,000.00

Capital Improvement Program:

New Project? Yes X No N/A

Existing Project? Yes No X Upgrade/addition Change

Previous TAC/JPA Action:

None

Additional/Future Action:

Pending approval of this Technical Advisory Committee present it to the Metropolitan Wastewater Joint Powers Authority (JPA) Commission. Route Mayoral action with the City of San Diego

City Council Action:

Not required

Background:

The South Bay Water Reclamation Plant (SBWRP) is located on Dairy Mart Road and Monument Road in the eastern portion of the Tijuana River Valley. The plant is designed to treat up to 15 MGD of raw wastewater to secondary and/or tertiary reclaimed water standards. The existing UV System, which has been in service since 2004, provides disinfection before reclaimed water is put into distribution. It has been determined by the City the existing system has exceeded its useful life and does not meet current energy standards.

Discussion:

This project proposes to replace the existing UV disinfection system with a more technologically advanced system. The concrete channel will be modified to accommodate the new UV system. Trenching will be performed for new electrical and controls conduits serving the UV system. The treatment plant's control system will be programmed to interface with the new UV system. Validation tests will be performed for state permits. The new system will reduce maintenance and operational costs by meeting current energy efficiency standards.

Bid Results: (7)

J.R. Filanc Construction Company \$3,391,636.00, HPS Mechanical \$3,413,135.55, Tharsos Inc. \$3,430,000.00, SCW Contracting Company \$3,614,000.00, Wier Construction Company \$ 4,144,998.00, Houalla Enterprise Ltd.\$4,148,488.00, and Ahrens Mechanical \$4,396, 000.00