

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

Project Title:

MBC Cooling Water System Chiller Upgrade

Requested Action:

Recommendation from the Metro Commission to approve the project and moving it forward to City Mayoral Action for approval.

Recommendations:

Recommendation to the Metro Commission to award for construction contract

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cost breakdown between Metro & Muni:	100% Metro
Fiscal impact to the Metro JPA:	33.5% of \$4,000,000.00 = \$1,340,000.00

Capital Improvement Program:

New Project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Existing Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Upgrade/addition <input type="checkbox"/> Change <input type="checkbox"/>

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 to award for construction contract

City Council Action:

Not required

Background:

The Metro Biosolids Center (MBC), a regional biosolids processing facility located adjacent to the City's Miramar Landfill in Kearny Mesa. The cooling system provides ambient environment cooling throughout the facility. The chillers, pumps, valves, and supporting equipment have been in service for over 20 years and are nearing the end of their useful life.

Discussion:

This project proposes to replace the two existing 370-ton chillers with three new 250-ton units, the existing water pumps, all of the existing valves and valve actuators, variable frequency drives and the process control system. This project also includes the modification and expansion of the existing chilled water system enclosure to accommodate the new equipment and all necessary piping, mechanical, electrical, instrumentation and controls. The new system will reduce maintenance and operational costs by meeting current energy efficiency standards

Bid Results: (9)

TechCom International, Corp. \$2,915,726.83, Wier Construction Corp \$3,099,737.06, Stanek Constructors, Inc. \$3,112,000.00, SCW Contracting Corporation \$3,161,000.00, Duwright Construction Inc. \$3,176,144.00, HPS Mechanical, Inc. \$3,221,500.00, Shimmick Construction Company, Inc. \$3,326,600.00, Ahrens Mechanical \$3,491,700.00, and West Coast General Corporation \$4,141,998.00