

Engineering & Operations Committee

OC-88 Pump Station Chiller Replacement

Item #7-6 May 10, 2022 OC-88 Pump Station Chiller Replacement

Current Action

• Award \$2,654,000 contract to MMC Inc. for replacement of chillers at OC-88 Pump Station

Distribution System

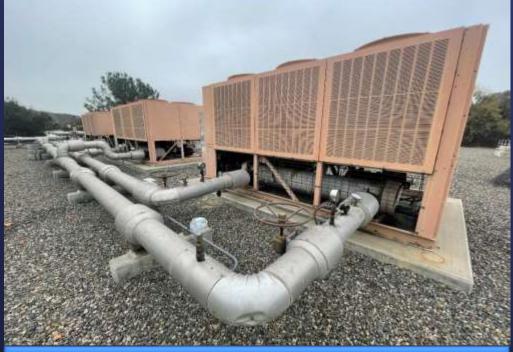


OC-88 Pump Station



Background

- Chiller units and chilled water pumps exceeded service lives
- Chillers experience non-compliant refrigerant leak
- Unable to operate pump station without chillers
 - May result in service interruptions



Existing chiller units



Existing chilled water pumps

OC-88 Pump Station Chiller Replacement

Alternatives Considered

- Continue to maintain existing chillers
 - Spare parts unavailable
 - Refrigerant phased out
- Upsize two existing chillers
 - Modification of roof structure needed
 - Reduces operational flexibility during peak demand
- Replace three chillers Selected Option
 - Increase overall reliability and operational flexibility of the pump station

Contractor Scope

- Furnish and replace three chillers and two chilled water pumps
- Provide fully automated control system
- Install conduit, piping, supports, and electrical modifications





Electrical Panels

Metropolitan Scope

- Support electrical tie-in
- Provide support during Supervisory Control and Data Acquisition (SCADA) integration
- Perform submittal review, respond to requests for information, and prepare record drawings
- Perform construction management & inspection
- Perform project management and contract administration



Bid Results Specifications No. 2024

Bids Received No. of Bidders Bidder Bid Engineer's estimate SBE Participation* April 6, 2022 1 MMC Inc. \$2,654,000 \$3 M 100%

*SBE (Small Business Enterprise) participation level set at 20%

Allocation of Funds

Contract		
MMC Inc.		\$2,654,000
Metropolitan Labor		
Program mgmt. & contract admin.		295,000
Force construction		128,000
Construction management/inspection		387,000
Submittal review, technical support & record drawings		335,000
Incidental Expenses		3,000
Remaining Budget		398,000
	Total	\$4,200,000

Project Schedule

Project20222023OC-88 Pump Station Chiller
ReplacementImage: Comparison of the second second

Board Action Construction



Board Options

• Option #1

Award \$2,654,000 contract to MMC Inc. for construction of the OC-88 Pump Station Chiller Replacement project.

• Option #2

Do not proceed with the project at this time.

Staff Recommendation

• Option #1

