



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



Chiller Unit



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	April 6, 2022
No. of Bidders	1
Bidder	MMC Inc.
Bid	\$2,654,000
Engineer's estimate	\$3 M
SBE Participation*	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
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Total	\$4,200,000

Project Schedule

Project	2022				2023			
OC-88 Pump Station Chiller Replacement								



Board Action



Construction



Completion of
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

