



HVAC System Replacement at the Water Quality Laboratory

Engineering & Operations Committee

Item 7-1

May 11, 2015

Current Action

- Appropriate \$1,410,000
- Award \$989,215 contract to Kaveh Engineering & Construction, Inc. to replace the south HVAC system at Metropolitan's Water Quality Laboratory

Distribution System



Project Location



HVAC System Replacement

- Background
 - Water Quality Lab constructed in 2 phases
 - 2 HVAC systems
 - South system - 29 years of continuous operation
 - Major components have failed
 - Replacement chiller pre-purchased

HVAC System Replacement

- Construction Scope
 - Install new chiller to replace temporary unit
 - Replace 2 boilers
 - Construct sound & screening wall
 - Replace ancillary HVAC components

Bid Results

Specifications No. 1780

Bids Received	April 7, 2015
No. of Bidders	9
Low Bidder	Kaveh Engineering & Construction, Inc.
Low Bid	\$989,215
Range of Other Bids	\$1.09 M to \$1.87 M
Engineer's Estimate	\$1,119,000
SBE Participation*	100%

*SBE (Small Business Enterprise) participation level set at 25%

Carollo Engineers

- Engineer of Record
- Scope of Work
 - Review submittals & RFI's
 - Provide technical support
 - Prepare record drawings
- SBE participation level - 18%
- Estimated cost - \$80,000
- No amendment required


Requested Funds

Construction Contract	\$ 989,215
Labor	
Metropolitan force installation	26,000
Const. inspection & support	144,000
PM & permitting	15,000
Submittals review & record drwgs.	46,000
Materials & Supplies	3,000
Professional Services	
Carollo Engineers	80,000
Remaining Budget	106,785

Total : \$1,410,000

Total Construction Cost: \$1,254,000

Schedule

	2015	2016	2017
Water Quality Laboratory HVAC Replacement			



Construction



Board Action



Completion

Board Options

- Option #1
 - Adopt CEQA determination that the proposed action is categorically exempt
 - Appropriate \$1,410,000
 - Award \$989,215 contract to Kaveh Engineering & Construction, Inc. to replace the south HVAC system at the Water Quality Laboratory

Board Options

- Option #2
 - Do not proceed with the project at this time

Staff Recommendation

- Option #1

