



Wadsworth Pumping Plant Control & Electrical System Upgrade

Engineering & Operations Committee
Item 7-4
Sept 10, 2018

Current Action

- Award \$420,000 contract to Southern Contracting Company for replacement of circuit breakers at Hiram W. Wadsworth Pumping Plant

Distribution System



Wadsworth Pumping Plant Control & Electrical Upgrades Project Background

- Restore system reliability of Wadsworth P.P. control system & pumps
- Pilot phase completed
- Full-scale retrofit authorized in April 2017
- Project now approximately 35% complete



Unit #2 pump/turbine

Wadsworth Protection Upgrade - Circuit Breakers

- Pilot phase studies indicated 12 bus circuit breakers required replacement
- Funds to upgrade bus circuit breakers included in April 2017 Board Action
- This construction contract will install 12 new 15-kV circuit breakers

Circuit Breakers

Circuit Breakers



Back side of circuit breaker



Circuit breaker cabinets

Bid Results

Specifications No. M-3006

Bids Received	July 19, 2018
No. of Bidders	3
Low Bidder	Southern Contracting Company
Low Bid	\$420,000
Range of Other Bids**	\$411,553 - \$465,000
SBE Participation*	Not required

*SBE (Small Business Enterprise) participation level was not established for this project due to its size

**The low bid was non-responsive.

Schedule

Wadsworth Pumping Plant	2018				2019			
Circuit breakers installation/construction								



Installation



Board Action



Completion

Board Options

Option #1

- Adopt the CEQA determination that the proposed action is exempt
- Award \$420,000 contract to Southern Contracting Company for replacement of circuit breakers at Wadsworth Pumping Plant

Option #2

- Do not replace the circuit breakers at this time

Staff Recommendation

Option #1

