

EPSA Standby Power Generator Control Upgrades at Plant No. 2, Project No. SC19-06

Presented by:
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Director of
Engineering

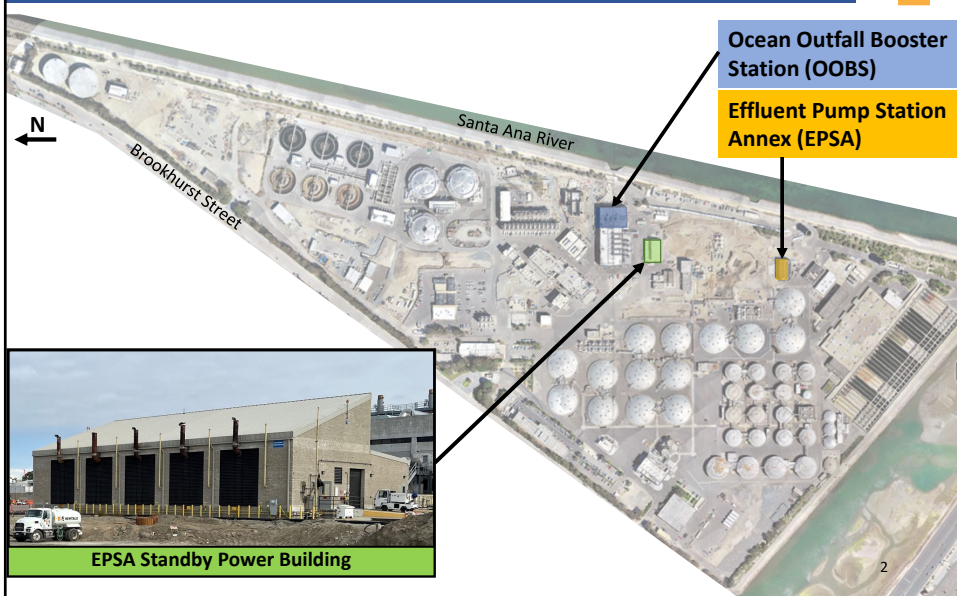
Operations
Committee
September 6, 2023

Contract Award




1

Plant 2 Site Plan




2


Project Scope



(4) OOBS Pumps (2,650 hp)



Standby Switchgear



(3) EPSA Pumps (2,650 hp)


12kV Switchgear Device Replacement


- (3) automatic voltage regulators
- (4) generator digital synchronizer and load controller
- Control system operator interface

Replace obsolete electrical components for the EPSA standby power system to provide a reliable system during a loss of utility power

12kV Switchgear Device Replacement

- (11) protective relays
- Power monitors





(4) 2MW Standby Generators

3

Bid Results

Engineer's Estimate	\$ 2,394,000
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Bidder	Amount
Shimmick Construction Company, Inc.	\$ 3,500,000
LEED Electric, Inc.	\$ 3,657,000

- Lowest bidder, Shimmick Construction Company, Inc. found responsive
- The Engineer's Estimate underestimated:
 - Wet season generator standby requirements
 - Labor costs
 - Market volatility due to supply chain
 - Complexity of the commissioning phase

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Recommendation

Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for EPSA Standby Power Generator Control Upgrades at Plant No. 2, Project No. SC19-06;
- B. Award a Construction Contract to Shimmick Construction Company, Inc. for EPSA Standby Power Generator Control Upgrades at Plant No. 2, Project No. SC19-06, for a total amount not to exceed \$3,500,000; and
- C. Approve a contingency of \$350,000 (10%).

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Questions



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