

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

Presented by:  
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Director of  
Engineering

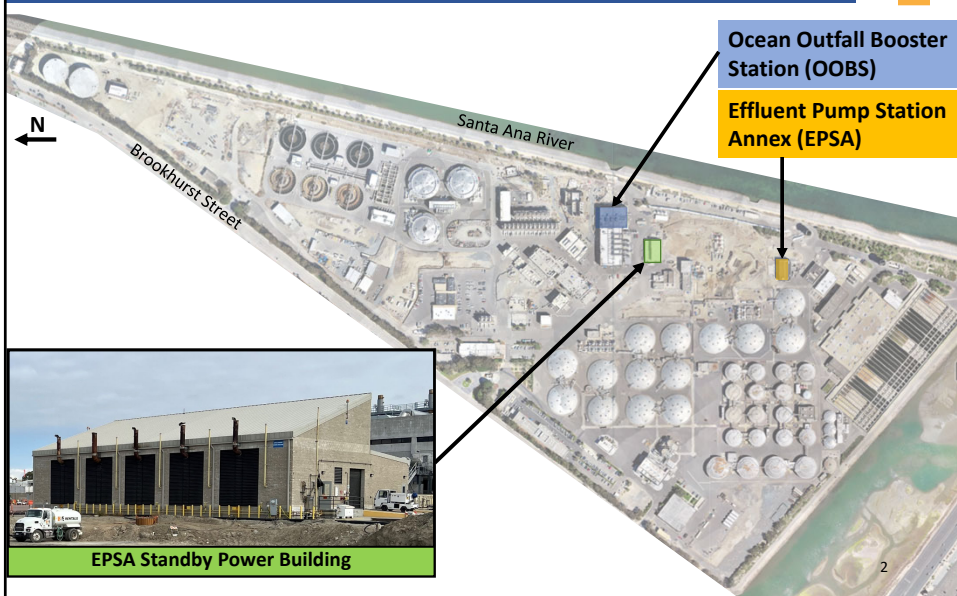
Operations  
Committee  
September 6, 2023

Contract Award




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## Plant 2 Site Plan




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## 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**

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## Bid Results

|                            |                     |
|----------------------------|---------------------|
| <b>Engineer's Estimate</b> | <b>\$ 2,394,000</b> |
|----------------------------|---------------------|

| 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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