

Uninterruptible Power Supply Improvements at Plant 1 Project No. P1-132

Presented by:
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Engineering
Manager

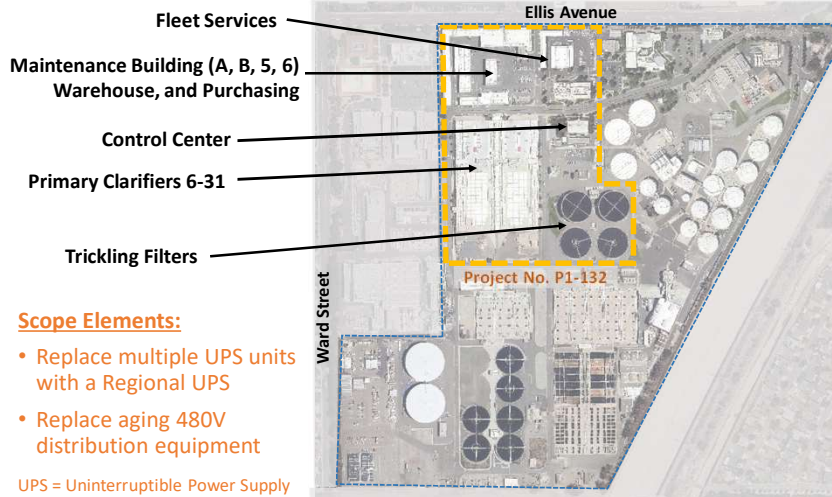
Operations
Committee
December 7, 2022

Construction Award



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Project Location: Plant No. 1



Scope Elements:

- Replace multiple UPS units with a Regional UPS
- Replace aging 480V distribution equipment

UPS = Uninterruptible Power Supply

2

2

Uninterruptible Power Supply Replacement

- End of useful life with no replacement parts
- Small units are not serviceable / repairable
- 15 existing UPS units to maintain, monitor, service

WASTE SIDESTREAM PUMP STATION (QTY 2)

POLYMER FACILITY

PRIMARY CLARIFIER 6-31 ELEC ROOM (QTY 2)

POWER BUILDING 7

POWER BUILDING 8

CONTROL CENTER (QTY 8)

3

3

Regional UPS Benefits

- Single location to monitor and perform maintenance
- Industrial grade more robust
- Increased battery lifespans:
20 years vs. 3-5 years

Ellis Avenue

Ward Street

P1-105 HEADWORKS AND DIGESTER REGIONAL UPS (IN CONSTRUCTION)

Project No. P1-132

P1-140 SECONDARY TREATMENT REGIONAL UPS (FUTURE)

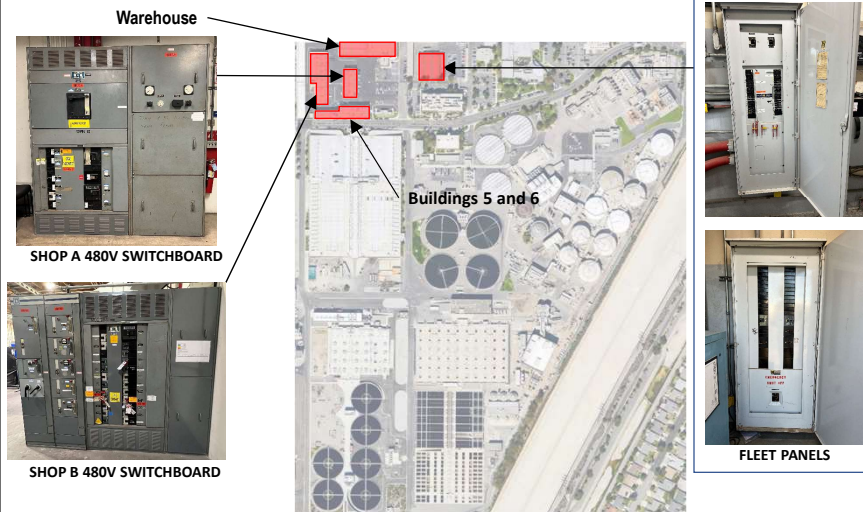
EXISTING THICKENING AND DEWATERING REGIONAL UPS

4

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480V Distribution Equipment Replacement

Existing 480V electrical distribution equipment was installed in the early 70s and is at the end of its useful life.



5

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Bid Results

Bidder	Amount of Bid
Engineer's Estimate	\$3,407,623
LEED Electric, Inc.	\$5,765,789 ★

- Fourteen potential bidders at time of advertisement
- Three bidders interested during Pre-Bid Survey
- Single bid received

6

6

Budget Request

- Current project budget insufficient to cover award and construction contingency amount

	Current	Proposed Amount	Requested Increase
Construction Budget	\$3,410,000	\$5,765,789	\$2,355,789
Construction Contingency	\$340,760	\$576,579	\$235,819
Project Contingency (rounding)			\$8,392
Total Requested Budget Increase			\$2,600,000

- Requesting budget increase of \$2,600,000 to accommodate construction award and contingency

7

7

Recommendation


Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Uninterruptible Power Supply Improvements at Plant No. 1, Project No. P1-132; and
- B. Approve a project budget increase of \$2,600,000 for Uninterruptible Power Supply Improvements at Plant No. 1, Project No. P1-132 for a new total project budget of \$9,600,000; and
- C. Award a Construction Contract to LEED Electric, Inc. for Uninterruptible Power Supply Improvements at Plant No. 1, Project No. P1-132 for an amount of \$5,765,789; and
- D. Approve a contingency of \$576,579 (10%).

8

8

Questions



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9