



## PUBLIC SERVICE BOARD MEETING AGENDA ITEM

REGULAR MEETING  
Wednesday, September 13, 2017

### SUBJECT

Bid Number 11-17, Emergency Backup Power Package 3 and 4 Installation

### BACKGROUND

As a result of the Power Reliability Assessment of El Paso Water (EPWater) facilities, a program was implemented to install emergency backup power equipment at all the major facilities. Due to the size of the project, it was divided into four equipment and installation procurement and installation packages (packages 1-4). The generators and associated automatic transfer switches have longer delivery times and needed to be pre-purchased, so their procurement was separated from the installation package. To date, packages 1 and 2 have been purchased and successfully installed, totaling 35 generators now operational at critical facilities in our water distribution system.

In September 2016, the Public Service Board approved the pre-purchase of (package 3 and 4) generators and automatic transfer switches to provide emergency power capacity at a total of 15 well sites, 12 booster pump stations, and the desalination plant. This bid is for the selection of a contractor to install the pre-purchased package 3 and 4 generators and complete required site improvements at these facilities.

### EVALUATION PROCESS

EPWater received two bids for this project on August 15, 2017. The bidders were El Paso A.R.C. Electric and C.F. McDonald Electric. The bids ranged from \$5,427,609.39 to \$8,323,469.00 or 26% to 93% above the Engineer's Estimate of \$4,321,907.00.

The project consulting engineer, Black and Veatch Corporation, evaluated the qualifications of the apparent low bidder and has determined that El Paso A.R.C. Electric meets the minimum general requirements as well as the minimum project criteria as specified on the bid documents.

Staff reviewed the engineer's evaluation matrix and recommends award of Bid Number 11-17, Emergency Backup Power Package 3 and 4 Installation, to El Paso A.R.C. Electric as the lowest responsive, responsible bidder in the amount of \$5,427,609.39.

### FINANCIAL IMPLICATIONS

Sufficient funds are available in account number 1213-022, and the funding sources are the Water and Sewer Revenue Bonds Series 2016 in the amount of \$5,375,000.00 and Improvement Fund in the amount of \$52,609.39.

### PROPOSED ACTION REQUESTED

Consider and award Bid Number 11-17, Emergency Backup Power Package 3 and 4 Installation, to the lowest responsive, responsible bidder, El Paso A.R.C. Electric, Inc., in the amount of \$5,427,609.39.

### SUPPORTING DOCUMENTATION PROVIDED

) Bid Tab

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: EMERGENCY BACKUP POWER - PACKAGE 3 AND 4 INSTALLATION

BID TO BE OPENED: August 15, 2017 @ 2:00 P.M.

BID NUMBER: 11-17

Prepared By: AL  
 Reviewed By: SC  
 Reviewed By: OR  
 Date: 8-29-17

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	EL PASO A.R.C. ELECTRIC INC.	C.F. MCDONALD ELECTRIC, INC.
					8010 North Loop Dr. El Paso, TX 79915	5044 Timber Creek Dr. Houston, TX 77017
1	Insurance, Bonds, and Move-In Related Expenses, Not to Exceed 5% of Bid Item Nos.2-11(If item No.1 exceeds 5% bid may be deemed non-responsive)	1	LS	\$205,805.00 TOTAL	\$253,529.90	\$400,000.00
2	Electrical work labor for Installation thirty-two (32) new Owner Procured Emergency Generators and associated equipment and other work as shown on the Drawings and the Specifications.	1	LS	\$855,332.00 TOTAL	\$1,304,144.05	\$1,700,000.00
3	Electrical work Materials for Installation of thirty two (32) new Owner Procured Emergency Generators and associated equipment and other work as shown on the Drawings and the Specifications.	1	LS	\$1,392,077.00 TOTAL	\$2,847,663.44	\$4,625,010.00
4	SCADA System work Labor for Installation at three (3) sites, associated equipment and other work as shown on the Drawings and the Specifications.	1	LS	\$15,691.00 TOTAL	\$28,500.00	\$65,000.00
5	SCADA System work Materials for Installation at three (3) sites, associated equipment and other work as shown on the Drawings and the Specifications.	1	LS	\$1,026.00 TOTAL	\$10,500.00	\$10,000.00
6	Civil Work Labor for Installation of thirty two (32) new Owner Procured Emergency Generators and associated equipment concrete pads, site work, paving,grading,fencing, yard piping, and other work as shown in the Drawings and Specifications.	1	LS	\$651,407.00 TOTAL	\$263,480.00	\$400,000.00
7	Civil work Materials for Installation of thirty-two (32) new Owner-Procured Emergency Generators and associate equipment concrete pads, site work,paving, grading,fencing, yard piping, and other work as shown on the Drawings and the Specifications.	1	LS	\$977,110.00 TOTAL	\$496,333.00	\$900,000.00
8	Field Services for Installation of six(6) new Owner-Procured Switchgears.	1	LS	\$126,042.00 TOTAL	\$126,042.00	\$126,042.00
9	Field Services for Installation of Instrumentation and Control System.	1	LS	\$17,417.00 TOTAL	\$17,417.00	\$17,417.00

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					8010 North Loop Dr. El Paso, TX 79915	5044 Timber Creek Dr. Houston, TX 77017
10	Contingency Allowance to Furnish and Install Additional Reinforced Concrete (4500 psi) for Engine-Generator or Equipment Pad, complete in place including rebar and formwork (EPWU to request Contractor in writing for additional item).	100	CY	\$500.00 UNIT \$50,000.00 TOTAL	\$500.00 \$50,000.00	\$500.00 \$50,000.00
11	Contingency Allowance to Furnish and Install Additional Excavation and Backfill for Engine-Generator or Equipment Pad, complete in place including rebar (EPWU to request Contractor in writing for additional item).	500	CY	\$20.00 UNIT \$10,000.00 TOTAL	\$20.00 \$10,000.00	\$20.00 \$10,000.00
12	Contingency Allowance (EPWU to request Contractor in writing for charges related to special utility services outage)	1	LS	\$20,000.00 TOTAL	\$20,000.00	\$20,000.00
TOTAL BASE BID PRICE (ITEMS 1 THROUGH 12)				\$4,321,907.00	\$5,427,609.39	\$8,323,469.00
					RESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED