



Board Action Required X

No Action Required

To: Coppel ISD Board of Trustees
From: Sam Farsaii
Date: March 22, 2016
cc: Dr. Waldrip, Dr. Denison, Sid Grant, Kelly Penny, Kay Ryon, Larry Guerra, Louis Macias, Stephen McGilvray

Re: Generator Upgrade

For the past three years the Technology Department has been rapidly expanding services capacity. Upgrades included: Telephone systems, Network Operation Center (NOC) servers, virtual systems, firewalls, wireless, switches, and system services and management tools to support learner devices at school and at home. The rapid growth now requires a larger capacity electrical generator system in case of a disaster or electrical service disruption.

This upgrade also includes the associated electrical upgrade, Uninterrupted Power Supply (UPS battery) and HVAC system. The expanded system will have a dual purpose. It will support the Technology Department as well as the Food Services department refrigerator and freezer for perishable supplies refrigerator and freezer located in the same building at the Service Center.

In collaboration with Maintenance Services, the Technology Department consulted with Tubessing Solutions to engineer the design, specification, and develop the RFP. After reviewing all bids, we have selected the Mechanical and Electrical subcontractors based on price, experience, and prior work with schools. Once approved, we will enter into final contract negotiations through state CO-OP Purchasing for a grand total cost not to exceed \$652,860, plus the Payment and Performance Bond costs pending contract and final schedule. The Business Office has reviewed and recommends the funding source for this project to be from Operating Funds. A budget amendment will be presented at the April Board meeting. This will be a one-time reduction to Operating Fund Balance.

Mechanical Companies	Pricing	Associated work
1 st vendor	\$ 66,230	Roof Penetration, setting equipment, mechanical piping (including humidification), pulling vacuum, VAV Installation.
2 nd vendor	\$ 72,550	
3 rd vendor	\$ 61,000	

Electrical Companies	Pricing	Associated work
1 st vendor	\$ 197,250	Generator Pad/Fence, setting equipment, electrical to UPS, InRow, Condensers, ATS, Generator, Freezers, electric panels and transformers, boring under pavement, temporary power whip, cable tray, associated over time hours and commissions.
2 nd Vendor	\$ 226,375	
3 rd Vendor	\$ 220,300	
4 th Vendor	\$ 260,500	

Equipment BOM	CO-OP Pricing	Description
Generator	\$ 179,650	400 kVA Diesel Generator 480V, 60 Hz, 3 Phase 4 Wire Sound Attenuating Enclosure 24 hour UL-142 State Tank
ATS		600A Automatic Transfer Switch 480V, 3 Pole Free standing
UPS	\$ 209,730	100 kVA Uninterruptable Power Supply Day one loaded to 60kW N+1
InRow Cooling		(2) 30kW InRow Coolers and Condensers
Containment		Hot Aisle Containment
Software		Update Existing Customer DCE Platform and assist with integration on new APC products
Sub Total	\$ 389,380	

Grand Total **\$652,860**

Recommendation: That the Coppell ISD Board of Trustees approve a budget amendment of \$652,860.00, plus the Payment and Performance Bond costs pending contract and final schedule from the Operating Funds, pending a budget amendment in April for a a one-time reduction to Operating Fund Balance.