

## ADDENDUM TO RFQ/RFP

### Fortuna Union High School District Proposition 39 HVAC, Fenestration, and Appliance Efficiency Projects

**Addendum #2**  
**November 30, 2018**

To All Prospective Respondents:

The Fortuna Union High School District (District) herewith issues Addendum No. 2 to the above-referenced solicitation. This Addendum shall be made part of the Contract Documents and the proposer shall acknowledge receipt thereof in their Proposals. Except as specifically modified by this document, all other terms and conditions remain in full force and effect.

1. The proposal responses due date is changed to **December 18, 2018 at 2:00 p.m.**
2. **Proposal item 1** (Window Retrofit) has been modified – new windows need to match or exceed specifications provided in **Attachment 1** to this addendum, with respect to performance data (e.g. U-value, SHGC, VLT, and STC) and to placement of tempered and/or tinted glass. (Note: as mentioned on page 4 of the RFP, a separate submittal for the proposed window replacements will be required after the ESCO is in contract with the District, to ensure that the new windows meet the necessary appearance, performance, hardware, sizing, and frame requirements.)
3. **Proposal item 4** (Relocate exhaust fan) has been modified – the fan needs to be relocated into the common wall between the cafeteria kitchen and the main seating/serving area. All work needs to be completed in a safe, workmanlike manner.
4. **Proposal items 2 (Ductwork maintenance) and 5 (Refrigeration motors) are removed from the RFP Scope of Work.**
5. **Five new proposal items (items 7 through 10) have been added**, as shown in the revised Proposed Project Price table shown on the following page, and as described in the narrative that follows.

**6. Revised Proposed Price Table:**

<i>Proposal Item No.</i>	<i>Energy Efficiency Measure</i>	<i>Description</i>	<i>Details in Statement of Work Section:</i>	<i>Total Installed Cost</i>
1	Window Retrofit	Fortuna High School selected window replacement in Administration Building	SOW & Appendix I & Addendum 2	\$ _____
2 <b>Item removed from SOW</b>	Ductwork Maintenance	<del>Fortuna High School ductwork inspection, re-seal, repair, and insulate.</del>	<del>SOW &amp; Appendix I; Addendum 1</del>	\$ _____
3	Tune classroom furnace outside air intakes	Modify outside air intakes in Buildings B, C, D, E, F and the library per OE Energy Audit	SOW & Appendix I	\$ _____
4	Relocate exhaust fan	Re-route cafeteria kitchen exhaust fan to <del>exterior</del> adjacent interior wall	SOW & Addendum 2	\$ _____
5 <b>Item removed from SOW</b>	Refrigeration motors	<del>Replace existing evaporator fan motors with ECM motors</del>	SOW	\$ _____
6	HVAC Controls	Install manual timers on the Unit Heaters.	SOW	\$ _____
7	Replace (2) Auto shop forced air furnaces and ductwork	Install (2) new condensing furnaces, minimum 95% AFUE – south unit needs to be resized based on demand, along with appropriately sized new ductwork and registers; Install new 7-day programmable thermostats	Addendum 2	\$ _____
8	Replace music building forced air furnaces (2)	Install (2) new condensing furnaces, minimum 95% AFUE. Install new 7-day programmable thermostats	Addendum 2	\$ _____
9	Replace (2) District Office package wall mount heat pump units	Install (2) new high efficiency package units and curbs equivalent to Bard units recommended by Geary Pacific. Install new 7-day programmable thermostats	Addendum 2	\$ _____
10	Replace four (4) agricultural forced air furnaces	Install (4) new condensing furnaces, minimum 95% AFUE. Install new 7-day programmable thermostats	Addendum 2	\$ _____

**7. Proposal Item 7 – Replace two existing Auto shop classroom building furnaces and ductwork; install new 7-day programmable thermostats**

<b>Specific Location</b>	<b>Description of Measure</b>	<b>Equivalent output BTUH (each unit)</b>
Auto Shop Classroom (Unit I.D. F-AS1 in OE report)	Replace (1) existing 80% efficiency furnace with 95% or greater AFUE furnace; replace existing ductwork and registers with new ductwork, properly sized, sealed and insulated to R-8, install new programmable thermostat	64,000
Offices (Unit I.D. F-AS2 in OE report)	Replace (1) existing 78% efficiency furnace (rated at 59,000 BTU/h output) with 95% or greater AFUE furnace, resized for current demand; replace existing ductwork and registers with new ductwork, properly sized, sealed and insulated to R-8; install new programmable thermostat	TBD – refer to OE report, which notes that existing unit is undersized

- a. Demolition
  - i. Remove existing furnaces and associated venting, and existing duct work, including registers.
  - ii. Ensure proper disposal of removed units.
- b. Mechanical
  - i. Provide and install two appropriately sized new 95% AFUE furnaces, along with new ductwork and registers. New ductwork to be insulated to R-8 minimum.
  - ii. Provide and install new PVC venting. Modify and seal openings as required.
  - iii. Install new condensate line and condensate pumps, if needed.
  - iv. Provide new transitions and adapters, as required.
  - v. Install filter racks and provide filters.
- c. Controls
  - i. Connect new furnaces to new 7-day programmable thermostats and ensure proper operations.
- d. Electrical
  - i. Disconnect and reconnect power in the same location.
- e. Structural
  - i. Proposed furnace weight should not exceed existing furnace weight.
  - ii. Provide support as needed.
- f. Permitting and Reporting
  - i. Including the cost of permitting in the bid is not required.
  - ii. Report costs and other information as needed to meet Prop 39 reporting requirements.
  - iii. Provide invoices and other information as needed to meet PG&E rebate requirements.
- g. Title 24
  - i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
- h. General
  - i. Purchase all needed materials and equipment.
  - ii. Verify all furnaces are operational seven (7) days post installation. If not operational, correct and verify.

- iii. Provide briefing on the installed equipment and proper operation to school facilities manager or appointee.

**8. Proposal item 8 - Replace two existing music building furnaces, install new programmable thermostats**

Specific Location	Description of Measure	Equivalent output BTUH (each unit)
Music Building (Unit I.Ds. F-M1 and F-M2 in OE report)	Replace (2) existing 80% efficiency furnaces with 95% or greater AFUE furnaces, connect to existing ductwork, install new programmable thermostats	80,000

- a. Demolition
  - i. Remove existing furnaces and associated venting.
  - ii. Ensure proper disposal of removed units.
- b. Mechanical
  - i. Provide and install two appropriately sized new 95% AFUE furnaces.
  - ii. Existing ductwork shall be used with minimum modifications.
  - iii. Provide and install new PVC venting. Modify and seal openings as required.
  - iv. Install new condensate line and condensate pumps, if needed.
  - v. Provide new transitions and adapters, as required.
  - vi. Install filter racks and provide filters.
- c. Controls
  - i. Connect new furnaces to new 7-day programmable thermostats and ensure proper operations.
- d. Electrical
  - i. Disconnect and reconnect power in the same location.
- e. Structural
  - i. Proposed furnace weight should not exceed existing furnace weight.
  - ii. Provide support as needed.
- f. Permitting and Reporting
  - i. Including the cost of permitting in the bid is not required.
  - ii. Report costs and other information as needed to meet Prop 39 reporting requirements.
  - iii. Provide invoices and other information as needed to meet PG&E rebate requirements.
- g. Title 24
  - i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
- h. General
  - i. Purchase all needed materials and equipment.
  - ii. Verify all furnaces are operational seven (7) days post installation. If not operational, correct and verify.
  - iii. Provide briefing on the installed equipment and proper operation to school facilities manager or appointee.

**9. Proposal item 9 - Replace (2) District Office package wall mount heat pump units; install new programmable thermostats**

Specific Location	Description of Measure	Equivalent capacity
District Office (Unit IDs HP-D01 and HP-D02 in OE report)	Replace (2) existing Eubank heat pump units with high efficiency units, equivalent to Geary Pacific recommended Bard units, install new programmable thermostats	3.5 ton each

- a. Demolition
  - i. Remove existing wall-mount heat pump units. Existing duct work to remain in place.
  - ii. Ensure proper recycling and/or disposal of removed units, including refrigerant.
- b. Mechanical
  - i. Provide and install two (2) new heat pumps with EER 11 and IPLV 14 or greater, equivalent to attached recommendation for Bard units (see **Attachment 2**), provided by Geary Pacific representative.
  - ii. Existing ductwork shall be used with minimum modifications.
  - iii. Provide new transitions and adapters, as required. See attached curb recommendation from Geary Pacific.
  - iv. Install filter racks and provide filters.
- f. Controls
  - i. Connect new furnaces to new 7-day programmable thermostats and ensure proper operations.
- g. Electrical
  - i. Disconnect and reconnect power in the same location.
- h. Structural
  - i. Proposed furnace weight should not exceed existing heat pump weight.
  - ii. Provide support as needed.
- i. Permitting and Reporting
  - i. Including the cost of permitting in the bid is not required.
  - ii. Report costs and other information as needed to meet Prop 39 reporting requirements.
  - iii. Provide invoices and other information as needed to meet PG&E rebate requirements.
- j. Title 24
  - i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
- k. General
  - i. Purchase all needed materials and equipment.
  - ii. Verify all heat pumps are operational seven (7) days post installation. If not operational, correct and verify.
  - iii. Provide briefing on the installed equipment and proper operation to school facilities manager or appointee.

**10. Proposal item 10 - Replace four (4) agricultural building furnaces with new 95% AFUE or greater furnaces; install new 7-day programmable thermostats**

Specific Location	Description of Measure	Equivalent output BTUH (each unit)
Agriculture Building	Replace four (4) existing Janitrol furnaces with 95% or greater AFUE furnaces, connect to existing ductwork, install new programmable thermostats	See attached original Ag Forestry Bldg mechanical plans for sizing ( <b>Attachment 3</b> ).

- a. Demolition
  - i. Remove existing furnaces and associated venting.
  - ii. Ensure proper disposal of removed units.
- b. Mechanical
  - i. Provide and install four appropriately sized new 95% AFUE furnaces.
  - ii. Existing ductwork shall be used with minimum modifications.
  - iii. Provide and install new PVC venting. Modify and seal openings as required.
  - iv. Install new condensate line and condensate pumps, if needed.
  - v. Provide new transitions and adapters, as required.
  - vi. Install filter racks and provide filters.
- c. Controls
  - i. Connect new furnaces to new 7-day programmable thermostats and ensure proper operations.
- d. Electrical
  - i. Disconnect and reconnect power in the same location.
- e. Structural
  - i. Proposed furnace weight should not exceed existing furnace weight.
  - ii. Provide support as needed.
- f. Permitting and Reporting
  - i. Including the cost of permitting in the bid is not required.
  - ii. Report costs and other information as needed to meet Prop 39 reporting requirements.
  - iii. Provide invoices and other information as needed to meet PG&E rebate requirements.
- g. Title 24
  - i. System must comply with 2016 Building Energy Efficiency Standards (Title 24, Section 6)
- h. General
  - i. Purchase all needed materials and equipment.
  - ii. Verify all furnaces are operational seven (7) days post installation. If not operational, correct and verify.
  - iii. Provide briefing on the installed equipment and proper operation to school facilities manager or appointee.