

**BID #7162: SPECIFICATION #2 - ATTACHMENT B: SCOPE OF WORK & SPECIFICATIONS  
FURNISH & INSTALL: CONTROLLERS: AIR AND FUEL RATIO**

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**A. EQUIPMENT INFORMATION:**

1. **UNIT #:** 956, Generator
  - A) Location: 6751 E. Walnut Canyon
  - B) Manufacturer: Caterpillar
  - C) Model: 3412 SI, rich burn
  - D) Capacity: 435kw
  - E) Year: 1993
2. **UNIT #:** 994, Pump Engine
  - A) Location: 8315 E. Canyon Vista
  - B) Manufacturer: Waukesha
  - C) Model: F 18 G, rich burn
  - D) Capacity: na
  - E) Year: 1990
3. **UNIT #:** 958, Generator
  - A) Location: 570 S. Nohl Canyon Rd.
  - B) Manufacturer: Waukesha
  - C) Model: F 2895 GL, lean burn
  - D) Capacity: 560kw
  - E) Year: 1992

**B. EQUIPMENT SPECIFICATIONS:**

1. Ensure that all, to be installed, AFRCs have been approved by and meet or better all current SAQMD emissions requirements.
2. **Ensure that the units:**
  - A) Run at normal load if the AFRC should happen to fail.
  - B) Operate, continuously, in the event of loss of utility power to site (24 volt unit).
  - C) Meet, continuously, all AQMD specifications while adjusting to varying engine load.
  - D) Adjust and run with Natural Gas, LPG (propane).
  - E) Have an LCD display showing status of AFRC.
  - F) Shielded in a corrosion resistant enclosure with at least NEMA 4 rating.
  - G) Obtain, at contractor's sole expense, any required permits before installation.

**C. SCOPE OF WORK:**

1. Begin work within 10 calendar days after receipt of materials and equipment.
2. Complete work within 5 calendar days after work has begun.
3. Remove and dispose of properly the existing AFRCs.

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4. Furnish and install new wiring between the AFRC and the engine and related components; note that existing conduit may be used where applicable.
5. Install new AFRC unit in same location as current unit unless otherwise required by new controller.
6. Operate the installed new units for 2 hours minimum under normal load to ensure the units are operating correctly.
7. Provide all documentation regarding all equipment and work performed upon acceptance of the project.