

## **“Sealed Bid (4) Standby Emergency Backup Generators #2019-02”**

### **Scope of Work**

#### **Scope: South West Family Health Clinic (Front Building)**

Adding 1 – 50 KW (SG) Industrial Natural Gas Generator.

Adding 1 – 800-amp Service entrance rated Automatic Transfer Switch.

Adding 1 – Remote Annunciator to indicate when unit is running (Mounted location determined by MCHD).

Adding 1 – Concrete Pad for Generator. Pad will exceed width of generator base by 6” on all sides. Enclosures on all sides and top. Protective Bollards filled with concrete to include any cut and or patch of concrete or asphalt.

Adding 1 – Gas Piping/Plumbing.

Adding 1 – APCO Service Swap over to include any APCO overtime fees to tie in power to generators.

(1 – 50 KW generator and one 800-amp service entrance/equipment rated transfer switch to the single-story front brick building. Intercept feed from APCO transformer and add the transfer switch. From the transfer switch penetrate the East wall and feed the main Panel located in the electrical room).

#### **Scope: South West Family Health Dental Clinic (Rear Building)**

Adding 1 – 40 KW (SG) Industrial Natural Gas Generator.

Adding 1 – Remote Annunciator to indicate when unit is running (Mounted location determined by MCHD).

Adding 1 – Concrete Pad for Generator. Pad will exceed width of generator base by 6” on all sides. Enclosures on all sides and top. Protective Bollards filled with concrete to include any cut and or patch of concrete or asphalt.

Adding 1 – Gas Piping/Plumbing.

Adding 1 – APCO Service Swap over to include any APCO overtime fees to tie in power to generators.

(1 – 40 KW generator. Combine the two services on the back building into one 400-amp single phase service. Feed existing loads. Feeds will be reconnected.

Generator will sit nearly 85' to the west in corner parking lot. Includes asphalt cut and patch).

**Scope: Citronelle Family Health Clinic**

Adding 1 – 35 KW (SG) Industrial Natural Gas Generator.

Adding 1 – 225-amp Service entrance rated Automatic Transfer Switch.

Adding 1 – Remote Annunciator to indicate when unit is running (Mounted location determined by MCHD).

Adding 1 – Concrete Pad for Generator. Pad will exceed width of generator base by 6” on all sides. Enclosures on all sides and top. Protective Bollards filled with concrete to include any cut and or patch of concrete or asphalt.

Adding 1 – Gas Piping/Plumbing.

Adding 1 – APCO Service Swap over to include any APCO overtime fees to tie in power to generators.

(1 – 35 KW generator and one 225-amp service entrance rated automatic transfer switch. Remove existing manual transfer switch. Feed existing panel from new transfer switch. Generator will be placed South East of the electrical service.

**Scope: Citronelle Family Health Dental Clinic**

Adding 1 22 KW Natural Gas Generator.

Adding 1 200-amp Service entrance rated Automatic Transfer Switch.

Adding 1 – Remote Annunciator to indicate when unit is running (Mounted location determined by MCHD).

Adding 1 – Concrete Pad for Generator. Pad will exceed width of generator base by 6” on all sides. Enclosures on all sides and top. Protective Bollards filled with concrete to include any cut and or patch of concrete or asphalt.

Adding 1 – Gas Piping/Plumbing.

Adding 1 – APCO Service Swap over to include any APCO overtime fees to tie in power to generators.

(Service entrance rated transfer switch to existing service. Running gas line under building to gas meter on opposite side of building).

Additional Requirements:

1. Bid to include specifications of all included equipment.

2. Project to start within 10 business days after award letter.
3. Contractor to obtain all necessary permits and certifications.
4. All electrical work shall be installed in accordance with the latest edition of the National Electrical Code and applicable state and local codes.
5. The installer must perform start up of the generator and system. Include a load-bank tested for 4 hours at 100% rated load.
6. A detailed project time-plan is to be submitted. Project must be completed with minimal disruption to MCHD facilities. All work to be completed and operational 6 months of start of project.
7. Operation and Maintenance Manuals – Provide (2) sets of operational and maintenance manuals covering the generator and auxiliary components, including final as-built wiring interconnect diagrams and recommended preventative maintenance schedules.
8. On-Site Training – Provide one (1) hour on site training to instruct MCHD's personnel in the proper operation and maintenance of the equipment. Review operation and maintenance manuals, parts, and emergency service procedures.
9. Contractor shall guarantee the complete installation free of defects for a period of one year from the date of final inspection, without extra cost. Generators to carry a 2 year manufacturers basic warranty.
10. All required insurances shall be provided for protection against liability for the duration of the work.
11. Materials, products, and equipment including components thereof shall be new.