

Fallbrook Union High School District

HEATING, VENTILATION, & AIR CONDITIONING/ ENERGY MANAGEMENT CONTROL SYSTEM TECHNICIAN

JOB SUMMARY

Under general supervision of the Director of Maintenance, Operation, and Transportation. Working with prescribed voltage/ampereage perimeters, perform skilled electrical and mechanical work in the installation, maintenance, modification, and repair of air conditioning, heating, and refrigeration systems. Operate, monitor adjust, maintain, and repair the district-wide computerized energy management control systems.

ESSENTIAL JOB FUNCTIONS – Duties may include, but are not limited to the following:

- Diagnose, troubleshoot, disassemble, repair, maintain, and service forced air heating, cooling, and refrigeration equipment.
- Calibrate and repair electric controls related to such equipment.
- Operation, maintenance, and repair of computerized energy management control systems (i.e., Trane, Staefa, Johnson Controls), including installation of necessary software updates, system scheduling and programming, and system hardware repairs and maintenance.
- Utilize computerized energy management control systems to operation district-wide HVAC systems and equipment in as energy efficient manner as possible.
- Assist in laying out, evaluating, and estimating costs of job request.
- Order parts and supplies.
- Maintain appropriate parts inventory.
- May assist other trades person with work assignments as directed.
- Perform other related duties as required.

EDUCATION / TRAINING:

Any combination of education, training, and/or experience, which demonstrated ability to perform the required duties. A typical qualifying background would include journey level experience and training in the repair, maintenance, and installation of air conditioning/heating, and refrigeration equipment, as well as experience utilizing a computerized energy management control system.

QUALIFICATIONS:

Knowledge of:

- Design, operation, maintenance, control, and repair of heating, ventilation, Refrigeration, and air condition systems.
- Computerized energy management control systems hardware, sensors, cabling, and related software.
- Instruments and equipment used in repair of such equipment.
- Existing laws relating to the operations of systems.

- Standard safety regulations, including working with various voltage/amperage.
- Thermostat calibrations, damper adjustments, unit balancing, contacts, and relays.
- UNT and VAV controllers, software installation into hardware controllers.
- Basic installation and alteration of electrical systems related to the air conditioning/heating systems.
- Proper methods, materials tools and equipment used in the air conditioning, heating, ventilation trade, as well as maintenance trades in general.

Ability to:

- Layout, estimate, and evaluate cost effectiveness of performing jobs inside/outside.
- Operate a computer terminal to view, enter, schedule, change, and retrieve data related to computerized energy management control system operations.
- Use and work from schematics, diagrams, blueprints, plans, and specifications to accomplish repairs and adjustments to both HVAC equipment and energy management control systems.
- Maintain a variety of records, manuals, and software data associated to line of work.
- Understand and follow oral and written instructions.
- Install, make repairs, maintain, and modify refrigeration, air conditioning, heating and ventilation equipment.
- Check systems and repair electric controls.
- Work cooperatively with others.
- Operate power and hand tools common to the trade.

License:

- Must possess a valid California driver's license and the ability to qualify, and maintain qualification, for District vehicle insurance coverage.

Certificates:

- Universal certificate issued by completing the Refrigerant Transition & Recovery Certification Program.

PHYSICAL ABILITY:

The selected candidate must be able to perform the duties of a rigorous work schedule, which includes:

- Climbing ladders and working from heights, lifting, loading, and unloading heavy objects.
- Reaching overhead, above the shoulders and horizontally.
- Bending at the waist, kneeling or crouching and pass a physical examination and drug screen.

Supervisor: Director of M.O.T.

Work Year: 12 Months

Over time status: