

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

JOB SUMMARY

Under general supervision of the Maintenance & Operations Manager, working with prescribed voltage/amperage 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.

TYPICAL DUTIES

Diagnose, troubleshoot, disassemble, repair, maintain, and service forced air heating, cooling, and refrigeration equipment. Calibrate and repair electric control Utilize a s 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. Diagnose trouble, disassemble, repair, maintain, and service forced air heating, cooling, and refrigeration equipment. Calibrate and repair electric controls. Order parts and supplies. Maintain appropriate parts inventory. May assist other trades person with work assignments as directed. Perform other related duties as required.

JOB REQUIREMENTS

Any combination of education, training, and/or experience which demonstrates 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.

Knowledge of:

Design, operation, maintenance, control, and repair of heating, ventilation, refrigeration, and air conditioning 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.

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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. 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.