

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
SENIOR HVACR TECHNICIAN - 1913

NOTE: formerly Senior Refrigeration Mechanic

DEFINITION:

Under direction, to control the operation of refrigeration, heating, and combined heating, ventilating and air-conditioning (HVACR) systems on a computerized energy management system (EMS); to design, modify and make programming and software improvements on the EMS systems; to perform or serve as technical resource on the more difficult refrigeration, heating, ventilating and air-conditioning work; and to perform related work.

* **EXAMPLES OF DUTIES:**

- Operates refrigeration, heating, and combined heating, ventilating, and air-conditioning (HVAC) systems on a building automation system or facility management system;
- Troubleshoots remote control units, sensors, and controllers;
- Designs, modifies, and tests logic instruction sequences in the form of set points, routines, messages, and other computer programs which direct the remote control units to monitor and control refrigeration, heating, ventilating, air-conditioning and other energy management processes;
- Designs, modifies, and makes programming and software improvements on the systems;
- Performs or serves as a technical resource on the more difficult refrigeration and HVAC work;
- Schedules and conducts preventative maintenance on computer and associated equipment;
- Analyzes operating data to determine impact on the implementation of energy management techniques and serve as bases for program modification;
- Maintains logs and records;
- May lead and instruct subordinate staff in inspecting, disassembling, diagnosing, repairing, and maintaining refrigeration, heating, ventilating and air-conditioning systems and equipment;
- Works with vendors, energy management and software specialists and engineering personnel in determining process parameters, technical specifications for new and existing installations, and other matters.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.

Successful completion of a State-accredited four-year Refrigeration Apprenticeship Training Program **AND** one year of full-time experience in all phases of work as a journey-level HVACR Technician. Qualifying experience must include BOTH of the following: installing, maintaining, and repairing air-conditioning systems with capacities of ten tons and over and HVAC systems in multi-story buildings; AND maintaining, adjusting, and operating a computerized building automation system or facility management system; **OR** five years of full-time experience in all phases of work as a journey-level HVACR Technician. Qualifying experience must include BOTH of the following: installing, maintaining, and repairing air-conditioning systems with capacities of ten tons and over and HVAC systems in multi-story buildings; AND maintaining, adjusting, and operating a computerized building automation system or facility management system. Possession of a valid U.S. Environmental Protection Agency Program approved Chlorofluorocarbon (CFC) Certificate. Possession of a valid California Class C Driver License.