

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
SENIOR REFRIGERATION MECHANIC

DEFINITION:

Under direction, to control the operation of refrigeration and combined heating, ventilating and air conditioning systems on a computerized energy management system (EMS); to design, modify and make programming and software improvements on the EMS; 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 the Energy Management Computer System in implementing energy management techniques, including the stand alone controller, cathode ray tube (CRT) terminals, remote control units, portable programming units, printer, and other associated hardware;
- 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;
- Trouble shoots remote control units, sensors, and controllers;
- Schedules and conducts preventive maintenance on computer and associated EMS equipment;
- May lead and instruct subordinate staff in inspecting, disassembling, diagnosing, repairing, and maintaining refrigeration, heating, ventilating and air-conditioning systems and equipment;
- Maintains logs and records on EMS operations;
- Analyzes operating data to determine impact on the implementation of energy management techniques and serve as bases for program modification;
- Works with vendors, energy management and software specialists and engineering personnel in determining process parameters, technical specifications for new and existing installations, and other EMS 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.

Successful completion of a State-accredited four-year Refrigeration Apprenticeship Program, **AND** one year of experience in all phases of work as a journey-level Refrigeration and Air Conditioning Mechanic; **OR** five years of experience in all phases of work as a Refrigeration and Air Conditioning Mechanic. Qualifying experience must include: installing, maintaining, and repairing air-conditioning systems with capacities of ten tons and over and H.V.A.C. systems in multi-story buildings, **AND** maintaining, adjusting, and operating a computerized emergency management system (EMS) or facility management system. Possession of a valid California Class C Driver's License.

- * **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.