

Plant Engineer
South Orange County Community College District

Direct Link: <https://www.AcademicKeys.com/r?job=229555>

Downloaded On: May. 8, 2024 11:56am

Posted Jan. 26, 2024, set to expire May 27, 2024

Job Title	Plant Engineer
Department	Facilities and Energy
Institution	South Orange County Community College District South Orange County Community College District, California
Date Posted	Jan. 26, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Classified Staff
Academic Field(s)	Facilities/Maintenance/Transportation
Job Website	https://wd5.myworkdaysite.com/en-US/recruiting/socccd/SOCCCD/job/Irvine-Valley-College/Plant-Engineer_REQ11821
Apply By Email	
Job Description	

Title:Plant Engineer

Job Category:CSEA

Job Opening Date:January 25, 2024

Job Closing Date:

Location:Irvine Valley College

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Work Location:Irvine, CA

Department:Facilities and Energy

Pay Grade, for more information click on this link:

<https://www.socccd.edu/departments/human-resources/contracts-and-salary-schedules>

Pay Rate Type:Monthly

Work Days:Monday - Friday

Work Hours:6:00am - 2:30pm (Schedule and Shift are subject to change in accordance with the department needs.)

Hours Per Week:40

Percentage of Employment:100%

Months of Employment:12

Salary:Starting at \$6,736 per month

Required Documents:

Resume, Cover Letter and a valid EPA Refrigerant Handling certificate.

Job Description:

C.S.E.A. Classified Bargaining Unit Salary Range 134

Initial Screening Date: February 20, 2024

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Required Documents: Resume, Cover Letter and a valid EPA Refrigerant Handling certificate.

Applications missing the required documents will not be considered.

SUMMARY DESCRIPTION

Under direction from assigned supervisory and/or management staff, leads, oversees, and performs the more complex and difficult work of staff responsible for performing skilled work in the installation, servicing, repair, and maintenance of refrigeration, heating, ventilation and air conditioning equipment and systems; performs a variety of complex plant maintenance duties including the maintenance and repair of boilers, chillers, cooling towers, and energy management systems; operates and maintains a wide variety of hand and power tools and equipment; and performs a variety of technical tasks relative to assigned areas of responsibility.

REPRESENTATIVE DUTIES

The following duties are typical for this classification. Incumbents may not perform all of the listed duties and/or may be required to perform additional or different duties from those set forth below to address business needs and changing business practices.

1. Lead, plan, train, and review the work of staff responsible for performing skilled work in the installation, servicing, repair, and maintenance of refrigeration, heating, ventilation and air conditioning equipment and systems; perform the most complex work of the unit including assigning, prioritizing, coordinating HVAC maintenance and repair work; ensure proper maintenance of all central plant systems.
2. Train assigned employees in their areas of work including proper HVAC repair and maintenance methods, procedures, and techniques.
3. Supervise the use, care and operation of a variety of HVAC repair equipment including electrical meters, air measuring devices, power hand tools, and piping tools.
4. Verify the work of assigned employees for accuracy, proper work methods, techniques, and compliance with applicable standards and specifications; ensure adherence to safe work practices and procedures.
5. Maintain, troubleshoot, repair, and install controls for energy management network; operate energy management computer system; program operation of heating, ventilation and air conditioning

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systems to coincide with facility utilization.

6. Install, troubleshoot, maintain and repair a variety of plant systems including boilers, chillers, cooling towers, refrigeration systems, ventilation systems, and air conditioning units.
7. Install, replace, repair and adjust valves, thermostats, fans, pressure and air regulators, filters, belts, fuses, controls, gauges, air compressors, blowers, dryers and pumps; test joints and insulate pipes of refrigeration and air conditioning systems; clean, lubricate and adjust systems as required.
8. Write, test, and install programs using accepted strategies to operate HVAC systems on campus; operate and schedule HVAC systems using campus energy management network.
9. Perform scheduled preventative maintenance on all air conditioning and related equipment.
10. Maintain and repair sewer, gas and water lines; treat and maintain water systems to control scale, corrosion and bacteria.
11. Calibrate, maintain and repair pneumatic and electrical thermostats and controls; maintain and repair computer alarm control systems and components.
12. Assist outside contractors; provide information within the area of assignment; provide hands on assistance as necessary; inspect completed work and report punch-list items to supervisor.
13. Maintain logs and reports pertaining to scheduled maintenance and repair; prepare reports as necessary.
14. Order, stock, and inventory HVAC and related repair parts and supplies.
15. May provide lead supervision to other maintenance and operations personnel as assigned.
16. Perform related duties as required.

QUALIFICATIONS

The following generally describes the knowledge and ability required to enter the job and/or be learned within a short period of time in order to successfully perform the assigned duties.

Knowledge of:

- Operations, services, and activities of a comprehensive HVAC repair and maintenance program.
- Principles of lead supervision and training.
- Advanced methods, practices, equipment and tools used in the repair and maintenance of plant systems including boilers, chillers, cooling units, and ventilation systems.
- Advanced methods and techniques of troubleshooting and diagnosing of HVAC malfunctions.
- Operational characteristics of energy management computer system operation and programming.
- Electronic, pneumatic, and mechanical principles as applied to the maintenance and repair of heating, ventilation, and air conditioning systems.
- Low voltage, communication, and network wiring standards.
- Operational characteristics of a variety of power and hand tools.

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- Methods and techniques of preparing and interpreting drawings, diagrams, schematics and blueprints.
- Office procedures, methods, and equipment including computers and applicable software applications such as word processing, spreadsheets, and databases.
- Occupational hazards and standard safety practices.
- Principles and procedures of record keeping.
- Pertinent federal, state and local codes, laws and regulations.

Ability to:

- Lead, organize, and review the work of staff.
- Independently perform the most difficult HVAC maintenance and repair duties.
- Interpret, explain, and enforce department policies and procedures.
- Operate and program an energy management computer system.
- Install, adjust and repair pneumatic, electrical and computerized controls systems.
- Troubleshoot, maintain and repair various types of plant equipment including boilers, chillers, cooling units, and ventilation systems.
- Operate a variety of tools and equipment used in HVAC maintenance and repair work.
- Maintain detailed and accurate records.
- Read and interpret mechanical drawings, schematics, blueprints and sketches.
- Order and maintain parts and supplies according to established guidelines and repair requirements.
- Operate office equipment including computers and supporting word processing, spreadsheet, and database applications.
- Work independently in the absence of supervision.
- Understand and follow oral and written instructions.
- Communicate clearly and concisely, both orally and in writing.
- Establish and maintain effective working relationships with those contacted in the course of work.

Education and Experience Guidelines

Any combination of education and experience that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

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Education/Training:

Equivalent to the completion of the twelfth grade supplemented by specialized training in the maintenance and repair of heating, air conditioning and ventilation systems.

Experience:

Three years of responsible experience in the maintenance and repair of central plant systems including boilers, chillers, cooling units, and ventilation systems.

License or Certificate:

Possession of a valid California driver's license and proof of insurability.

Possession of, a valid EPA Refrigerant Handling certificate.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Environment:

Work is performed in indoor and outdoor environments; travel from site to site; exposure to noise, dust, grease, smoke, fumes, noxious odors, gases, and all types of weather and temperature conditions; work and/or walk on various types of surfaces including slippery or uneven surfaces and rough terrain; exposure to electrical energy. Occasional exposure to risks controlled by safety precautions. Positions may be required to work extended hours including evenings and weekends.

Physical:

Primary functions require sufficient physical ability and mobility to walk, stand, and sit for prolonged periods of time; frequently stoop, bend, kneel, crouch, crawl, climb, reach, and twist; push, pull, lift, and/or carry moderate to heavy amounts of weights; requires a sense of touch, finger dexterity, gripping with fingers and hands; operate assigned equipment and vehicles; verbally communicate to exchange information.

Vision:

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See in the normal visual range with or without correction.

Hearing:

Hear in the normal audio range with or without correction.

SPECIAL COVID-19 NOTICE:

Interviews may be held in-person (following all necessary precautions) or in a virtual format. Employees must reside in California while employed with the South Orange County Community College District (SOCCCD), even during remote work. Thank you for your continued interest in working at the SOCCCD.

The SOCCCD is committed to protecting the health and wellbeing of students, faculty, staff, administrators, and the communities it serves. More information can be found on our District website by visiting <https://www.socccd.edu/communications/covid-19-information>.

NOTICE TO ALL CANDIDATES FOR EMPLOYMENT:

The Immigration Reform and Control Act of 1986, Public Law 99-603, requires that employers obtain documentation from every new employee which authorizes that individual to accept employment in this country. SOCCCD will not sponsor any visa applications.

PLEASE NOTE:

A California Public Employees Retirement System (CalPERS) retiree may not accept employment until after the first 180 days of retirement. Anyone retired from CalPERS accepting permanent employment with this District will be required to reinstate as an active CalPERS member. Please contact CalPERS for additional information regarding your retirement status.

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Any active vested member of California State Teachers Retirement System (CalSTRS), who accepts employment with the District to perform service that requires membership in CalPERS, is eligible to elect to continue retirement system coverage under CalSTRS

DISABILITY ACCOMODATIONS:

If you require special accommodations in the application and/or selection process, please notify District Human Resources at least two (2) business days prior to the Job Close Date/Initial Screening Date, by either calling (949) 582-4850 or sending an e-mail to hrintodesk@socccd.edu.

ATTENDANCE REQUIREMENT:

Report to work on a regular and consistent basis, as scheduled, to assigned job.

CAMPUS CRIME AND SAFETY AWARENESS:

Information regarding campus crime and safety awareness can be found at www.saddleback.edu or www.ivc.edu. Paper copies are available in the District Human Resources office upon request.

EEO/AA Policy

DIVERSITY, EQUITY, INCLUSION, AND EQUAL EMPLOYMENT OPPORTUNITY (EEO):

The South Orange County Community College District is committed to creating an academic and work environment that fosters diversity, equity and inclusion and equal opportunity for all, and ensures that students, faculty, management and staff of all backgrounds feel welcome, included, supported, and

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safe. Our culture of belonging, openness, and inclusion, makes our district a unique and special place for individuals of all backgrounds.

Our District and our colleges are looking for equity and inclusion-minded applicants who represent the full diversity of California and who demonstrate a sensitivity to the understanding of diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds present within our community. When you join our District, you can expect to be part of an exciting, thriving, equity-focused, and inclusive community that approaches higher education with the lens of social justice and collaboration among students, faculty, staff, administration, and community partners. In deciding whether to apply for a position with our District, you are strongly encouraged to consider whether your values align with our District's mission and goals for EEO, Diversity, Equity, and Inclusion.

SOCCCD IS AN EQUAL OPPORTUNITY EMPLOYER

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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