



CITY OF SANTA CLARA
invites applications for the position of:

Electric Utility Generation Technician

SALARY: \$71.26 - \$91.12 Hourly
\$12,351.14 - \$15,793.28 Monthly
\$148,213.68 - \$189,519.36 Annually

OPENING DATE: 09/01/22

CLOSING DATE: Continuous

EXAM WEIGHT: 50% Oral, 50% Written

TENTATIVE EXAM INFORMATION:

DESCRIPTION:

The Department:

SVP currently provides over 600 Megawatts of power to residential and business customers within Santa Clara, of which 40 percent of comes from carbon-free renewable resources. In addition to using green energy from large-scale wind, solar, geothermal and hydroelectric projects outside of the area, SVP employs innovative ways to locally produce electricity by operating Thermal Generation facilities utilizing Simple Cycle, Combined Cycle, and Cogeneration technologies. It is the mission of Silicon Valley Power to be a progressive, service-oriented utility, offering reliable, competitively priced services for the benefit of Santa Clara and its customers. Being competitive in the marketplace with a continuous focus on customer service, SVP can provide economic value to the City of Santa Clara and its customers while maintaining low residential rates and offering competitive rates for all customers.

The Position:

The Generation Technician performs the hands-on duties required to safely and efficiently operate and maintain the SVP Generation resources.

Incumbents ensure that for all of the City of Santa Clara's electric generation power plants that all of the systems and sub-systems are operated and maintained in an efficient, effective, and a safe manner

This recruitment may be used to fill multiple positions in this, or other divisions or departments. If you are interested in employment in this classification, you should apply to ensure you are considered for additional opportunities that may utilize the applicants from this recruitment.

TYPICAL DUTIES:

Duties may include, but are not limited to, the following:

Under general supervision:

- Monitors and controls other City power plant operations and hydro facilities;
- Monitors and responds to alarms and plant equipment;
- Operates within all environmental, health, and safety programs, and permit requirements;
- Responds to emergency situations such as natural disasters, fires, pipeline leaks, and abnormal operations;

- Performs start-up and shut-down of equipment;
- Performs routine inspection of equipment;
- Performs wet chemistry analysis;
- Coordinates with other City departments and outside agencies;
- Repairs mechanical pumps, valves, turbines, compressors, boilers, HRSG auxiliaries, reduction gears, hydraulic systems, liquid and gas fuel systems, lube oil systems, heat recovery steam generation;
- Repairs electrical systems, breakers, relays, meters, wiring, and motors;
- Repairs instrumentation and control systems, pneumatic, digital control systems, actuators, controllers, vibration measurement devices (e.g. pressure, temperature, and flow);
- Performs operations and maintenance troubleshooting;
- May be assigned to plan jobs, including scope identification, schedule requirements, cost estimates, material procurement, vendor selection, work execution, job closeout including final reports and documentation for the normal functions of the job;
- Leads a small crew and/or contractor personnel;
- Organize and supervise contractors and employees in conducting scheduled and emergency shutdown work;
- Performs other related work as required.

MINIMUM QUALIFICATIONS:

EDUCATION AND EXPERIENCE

One of the following education requirements:

- Education equivalent to graduation from high school and
- Four (4) years of electric generation operation and maintenance experience in a medium sized electric generation power plant or the equivalent is required, two (2) years of which must have been at above the entry-level
- Two (2) additional years of electric generation operation and maintenance experience with an electric generation power plant or the equivalent is highly desirable.
- Three (3) years of operations and maintenance level experience above the entry level with work assignments in the City of Santa Clara combined cycle generation facilities may substitute for the above experience requirements.

LICENSE

• Possession of a valid California driver's license is required.

CERTIFICATES

Possession of the following certificates are required within one year of appointment for the duration of the appointment:

- Department of Transportation (DOT) Qualified Operator for Natural Gas Pipeline;
- Department of Transportation (DOT) Qualified Operator for Natural Gas Compressor Station;
- Department of Transportation (DOT) Drug Testing Program for Natural Gas Pipeline and Compression Station Operator;
- Qualified to wear a respirator;
- Qualified electrical worker, who is qualified to do switching, required within two years of appointment and for the duration of the appointment; and
- Incumbents shall be required to obtain and maintain any other licenses(s) and or certification(s) that may be required by future regulation by Federal, State and/or industry requirements.

PHYSICAL AND OTHER REQUIREMENTS

- Incumbents may be assigned to work on a rotating shift schedule. Incumbents must have the ability to work, as assigned, to schedules that may include Saturdays, Sundays, holidays, and non-traditional work hours; and a willingness to work overtime as required.
- Employees are required to pass initial and periodic comprehensive background checks, which may include fingerprinting, to meet Federal, State and/or industry security requirements. Incumbents hired before 6/16/04 are grandfathered from the initial background requirement.

- Must be able to perform all the essential functions of the job assignment.
- Must be able to identify color and materials normally used in the electric trade.
- Must be able to lift twenty (20) pounds in awkward positions and fifty (50) pounds from the floor to the waist.
- Must be able to bend, stoop, crawl, lift, reach, walk up and down stairs, and climb ladders at elevations of eighty (80) feet or more as necessary to perform assigned duties.
- Must be able to wear respirator and any other appropriate safety equipment.

Meeting the minimum qualifications does not guarantee admittance into the examination process. Only the most qualified candidates who demonstrate the best combination of qualifications in relation to the requirements and duties of the position will be invited to test. Candidates must attain a passing score on each phase of the examination process to qualify for the Eligible List. A department interview will be required prior to appointment.

Federal law requires all employees to provide verification of their eligibility to work in this country. Please be informed that the City of Santa Clara will not sponsor, represent, or sign documents related to visa applications/transfers for H1B or any other type of visa which requires an employer application.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of:

- Gas turbines, steam turbines, reduction gears, electric generators, boilers and boiler operation, instrumentation, and maintenance; and
- Normal, planned, and emergency operations

Ability to:

- Comply with applicable regulations/standards/policies governed by OSHA, Cal OSHA, EPA, NFPA, DOT, BAAQMD, CEC, FERC, and any other Federal, State, and local regulatory agencies and when necessary direct corrective action, including stopping an operation;
- Install, test, repair, maintain, and operate power plant equipment used in the operation and maintenance of generation plants working from drawings and manuals;
- Communicate effectively, both orally and in writing;
- Understand and implement oral procedures and instructions;
- Issue, follow and understand written procedures and instructions;
- Establish and maintain tactful, courteous, and effective working relationships with those contacted in the course of work, including the general public;
- Work in a team-based environment and achieve common goals;
- Safely use personal protective equipment in order to handle and inspect equipment containing hazardous energy, hazardous chemicals, hazardous wastes, and to appropriately respond to the hazards identified including, but not limited to repairs on equipment containing chemicals, containment of chemical leaks, response to electrical interruptions, and follow lock out/tag out procedures;
- Keep time, materials records and preventative maintenance history records;
- Learn computer technology programs such as: Assets/work management (MVP), clearance (Red Tag), Ovation Control Systems, GE MKVI Control System, Wonder WARE Control System, CAISO Outage Management System (OMS), Plant Information System (PI), Windows, Excel, Word, and email;
- Evaluate situations, identify problems, and exercise sound independent judgment within established guidelines; and
- Work under pressure with accuracy in a complex work environment.

Additional Information:

You must answer all job-specific questions in order to be considered for this vacancy or your application will be deemed incomplete and withheld from further consideration. Applications must be filled out completely (i.e. do not write "see resume or personnel file.") To receive consideration for the screening process, candidates must submit a **1) Cover Letter and, 2) Resume. [add what**

will be accepted for the application.] Incomplete applications will not be accepted. Application packets may be submitted online through the “Apply Now” feature on the job announcement at www.santaclaraca.gov. Applications must be submitted by the filing deadline of **Date at 4:00 PM.** **[Add if continuous or open until filled posting, if not applicable delete text: This position is continuous or open until filled: Applications will be reviewed on a bi-weekly basis [indicate frequency] for consideration to the position. If you are interested in applying you are encouraged to apply as soon as possible, before the position is closed.]**

The City of Santa Clara is an equal opportunity employer. Applicants for all job openings will be considered without regard to age, race, color, religion, sex, national origin, sexual orientation, disability, veteran status or any other consideration made unlawful under any federal, state or local laws. The City of Santa Clara is committed to offering reasonable accommodations to job applicants with disabilities. If you need assistance or an accommodation due to a disability, please contact us at (408) 615-2080 or HumanResources@santaclaraca.gov.

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.santaclaraca.gov>

Position #64-18-431
ELECTRIC UTILITY GENERATION TECHNICIAN
MP

1500 Warburton Ave.
Santa Clara, CA 95050
408-615-2080
Fax: 408-985-0667

humanresources@santaclaraca.gov

Equal Opportunity Employer

Electric Utility Generation Technician Supplemental Questionnaire

- * 1. Select the option that describes how you meet the minimum experience qualifications.
 - I have four (4) years of electric generation operation and maintenance experience in a medium sized electric generation power plant or the equivalent is required, two (2) years of which must have been at above the entry-level.
 - I have two (2) additional years of electric generation operation and maintenance experience with an electric generation power plant or the equivalent is highly desirable.
 - I have three (3) years of operations and maintenance level experience above the entry level with work assignments in the City of Santa Clara combined cycle generation facilities.
 - I do not meet the minimum qualifications.
- * 2. Do you have education equivalent to graduation from high school?
 - Yes No

3. Please indicate the name of the firm that referred you, including the recruiter name.

* Required Question