



DATA ANALYST

SALARY RANGE: \$92,924 - \$138,932

SUMMARY DESCRIPTION

The Data Analyst works under the direction of the Director for Decarbonization & Grid Innovation and collaborates closely with the Directors and Managers of other teams (Power Supply, Account Services & Community Relations, Legislative & Regulatory Effectiveness) to plan and design a platform and portfolio of programs to achieve SVCE goals.

The focus areas of the program portfolio include mobility, the built environment and grid integration and innovation. In general, built environment programs will catalyze efficient electrification and reimagine energy use in the built environment. In general, mobility programs will reduce emissions, electrify and automate personal and commercial transport. In general, grid integration & innovation programs will enable demand-side flexibility for achieving high-penetration renewables.

SVCE is in a unique position to lead in developing programs that will positively impact customers in its member jurisdiction and have an impact beyond its borders. The Decarbonization & Grid Innovation team is responsible for:

- planning and designing programs that amplify and multiply value;
- developing partnerships with key Silicon Valley stakeholders such as academia, start-ups, high-tech, students and the community;
- developing platforms for innovation, proofs-of-concept and prototypes that will be key to moving the needle in decarbonization and grid innovation within member territories and influence change throughout the state and country; and,
- developing sophisticated data analytics dashboards and visualizations to support programs and overall business goals.

Program planning and design requires integrating input from all other SVCE divisions in addition to external stakeholders throughout the design cycle. Program work includes close collaboration on markets with the California ISO, CEC, CARB, BAAQMD, PG&E, municipal utilities and other CCAs.

The Data Analyst will work independently and in teams, as needed, to perform assignments under the general direction of the Director of Decarbonization & Grid Integration. Examples of anticipated assignments include carrying out statistical analysis for the purposes of retail customer segmentation and targeted marketing; designing and conducting the evaluation, measurement and verification for programmatic initiatives; creating compelling graphics, charts, tables, and other methods of data visualization to incorporate into written reports and oral presentations for community training and workshops, legislative and professional groups, the Board of Directors, and SVCE staff; managing consultants and contractors.

The Data Analyst may be assigned to assist in the work of other SVCE teams and perform data analysis tasks for SVCE, as required.

SUPERVISION RECEIVED AND EXERCISED

This position reports directly to the Director of Decarbonization and Grid Innovation. Significant management of projects, consultants and contractors.

ESSENTIAL FUNCTIONS

- Use data analytics, statistics, and application development skills to support the planning, design, development, and evaluation of programs to support decarbonization and grid integration across SVCE service territory.
- Work closely with the other teams (Power Supply, Account Services & Community Relations, Legislative & Regulatory Effectiveness) to develop solutions to data-intensive problems.
- Collaborate with internal and external stakeholders to understand business and policy challenges, goals and objectives and translate them into data analytics use cases.
- Design and develop sophisticated data analytics dashboards and visualization tools to support programs and overall business goals.
- Support the development and implementation of SVCE's overarching data strategy.
- Support the development of partnerships with key Silicon Valley stakeholders such as academia, start-ups, high-tech, students and the community.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge:

- Strong understanding of statistics, machine learning, and optimization algorithms and principles, and their application (regression analysis, time series, probabilistic models, supervised classification and unsupervised learning).
- Subject matter expertise in one or more of the following topics: wholesale electricity markets, retail electricity markets, retail rate design, deep decarbonization, electrification, building energy usage, electric vehicles, energy efficiency, energy resources and procurement, or other to be determined areas.

Ability to:

- Excellent programming skills in Python or another interpreted programming language such R or Matlab.
- Proficient with GIS software tools.
- Proficiency in Microsoft Office Suite.
- Superior project management skills, including managing multiple priorities.
- Self-directed and comfortable operating in a dynamic, fast-paced start-up environment.
- Ability to work independently or in a team, as needed.
- Excellent written and oral communication skills.

REQUIRED QUALIFICATIONS

Experience and Training Guidelines: *Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:*

EDUCATION: A Bachelor's Degree from an accredited university or college in science, technology, engineering, mathematics, or a related, quantitative field. A Master's Degree in the aforementioned fields can substitute for up to one year of the required experience. A Doctoral Degree in the aforementioned fields can substitute for up to three years of the required experience.

EXPERIENCE: Four (4) years of progressively responsible experience as a data analyst at an electric utility, cleantech company, software company, or similar organization.

LICENSE: Possession of a valid Class C California driver's license and a satisfactory driving record at the time of hire.

PHYSICAL AND WORKING CONDITIONS

The physical and mental demands described here 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 a typical office setting with exposure to computer screens and at public events (fairs, meeting rooms, farmers' markets, etc.) with moderate noise and will require some evening and weekend work. The noise level in the work environment is usually typical of an office environment and public events.

PHYSICAL: While performing the duties of this class, employees are regularly required to sit, walk, and stand; talk or hear, in person and by telephone; reach with hands and arms. Employees are occasionally required to walk, and stand for prolonged periods; stoop, bend, kneel and twist; and may lift up to 20 pounds. Employees must be able to communicate in person, in writing, and by telephone with Board members, management, co-workers, vendors, consultants, and with the public in face-to-face, one-on-one, and group settings.

VISION: See in the normal visual range with or without correction; vision sufficient to read computer screens and printed documents; and, operate assigned equipment.

HEARING: Hear in the normal audio range with or without correction.

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