



POWER DATA ANALYST

SALARY RANGE: \$101,473 to \$151,713

SUMMARY DESCRIPTION

Under the supervision of the Senior Manager of Power Operations, the Power Data Analyst (Analyst) is responsible for power data analysis and management, CAISO market analysis, and administering complex settlement and billing processes. This position works closely with other members of the Power Resources department to ensure a consistent feedback loop of actual results to inform changes to market strategies.

SUPERVISION RECEIVED AND EXERCISED

The Analyst reports to the Senior Manager of Power Operations and the position does not include supervisory and/or team leader responsibilities but may supervise outside consultants / contractors as needed.

ESSENTIAL FUNCTIONS

- Perform regular analysis of CAISO market outcomes and assess SVCE's portfolio performance against intended strategy
- Track power supply portfolio performance relative to annual budget
- Review CAISO settlement statements and invoices for accuracy
- Contribute to the design, implementation, and management of an optimized and reliable overarching data architecture to support SVCE's power supply portfolio.
- Develop and maintain the infrastructure required for extraction, transformation, and loading of data from a wide variety of data sources (ETL).
- Identify, design, and implement internal process improvements, including automating manual processes, optimizing data delivery, and re-designing infrastructure for greater scalability.
- Design and implement best practices for data storage, versioning, querying, as well as managing relevant documentation.
- Build processes supporting data transformation, data structures, metadata, dependency, and workload management.
- Collaborate across the organization and with external partners to aggregate additional relevant data sets to support business functions.
- Design and develop data analytics dashboards and visualization tools. Collaborate with internal and external stakeholders to understand business and policy challenges, goals and objectives and translate them into data analytics use cases.
- Support data requests from internal and external stakeholders

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

- Experience with wholesale electric utility markets, specifically the California Independent System Operator (CAISO)
- Experience building and optimizing 'big data' data pipelines, architectures, and data sets.

- Excellent programming and statistical analysis skills, including Python and R, respectively.
- Advanced working SQL knowledge and experience working with relational databases, queries (SQL) as well as working familiarity with a variety of databases.
- A successful history of manipulating, processing, and extracting value from large, disconnected datasets.
- Proficiency in Microsoft Office, specifically Excel, and Power BI

Skills:

- Superior project management skills, including managing multiple priorities.
- Self-directed and comfortable operating in a dynamic, fast-paced start-up environment.
- Experience supporting and working with cross-functional teams in a dynamic environment.
- Ability to work independently and in a team.
- Excellent communication skills, including distilling complex information in a simple and understandable manner.

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 economics, science, technology, engineering, mathematics, or a related, quantitative field.

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 are required to use company vehicles.

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.

-----SVCE IS AN EQUAL OPPORTUNITY EMPLOYER-----