POWER RESOURCES PLANNER

SALARY RANGE: $133,350 - $209,549

SUMMARY DESCRIPTION
Under general direction of the Director of Power Resources, the Power Resources Planner ("Planner"), supports efforts related to power portfolio procurement, analytics and planning, load and power resource forecasting, and custom product offerings for large customers. The Planner will also work with the Decarbonization and Programs and Policy team to develop and implement solutions in support of SVCE’s greenhouse gas reduction goals including non-wire solutions.

SUPERVISION RECEIVED AND EXERCISED
This position reports directly to the Director of Power Resources, however, may be assigned to other groups and/or teams as deemed necessary. Management of consultants and contractors is expected. This position has no direct reports, however, may supervise temporary and/or internship positions.

ESSENTIAL FUNCTIONS

• Provide analytical support to the Front Office in managing the electric supply portfolio which includes monitoring and reporting net open position, supply costs and risks.
• Complete evaluation of power supply offers to assess economic value and portfolio fit, including support of Joint Agency procurement efforts.
• Support SVCE’s long-term portfolio planning including integrated resource planning and development of long-term portfolio policies and strategy.
• Assist in the development and implementation of systems, processes, plans and reports to ensure compliance with all applicable laws, standards, mandates and regulatory requirements related to providing electricity as a load serving entity in California including meeting the Renewable Portfolio Standard (RPS), resource adequacy and power content label reporting.
• Support/lead in the administration and selection of energy solutions through local and/or regional requests for proposals to meet reliability, hedging, RPS and carbon-free objectives.
• Support/lead efforts to evaluate effectiveness of power supply resources and recommend strategies to optimize value.
• Assist in the development of strategies and custom product offerings to retain large commercial industrial customers.
• Assist in the development of technology, policy, and economic analysis to support the planning, design, development, and evaluation of programs to support decarbonization and grid integration across SVCE service territory.
• Support legislative and regulatory efforts by providing subject matter expertise and/or policy analysis.
• Performs other related duties and responsibilities as required.
KNOWLEDGE, SKILLS, AND ABILITIES

- Fundamentals of electricity modeling, including models to evaluate risk, production costs and/or capacity expansion.
- Principles of electricity generation, transmission and distribution.
- Knowledge of California energy markets and energy products, energy trading and trade capture processes, and standard risk management policies and strategies.
- California regulatory bodies and agencies (i.e., CPUC, CEC, CARB, BAAQMD and CAISO) policies and requirements applicable to load serving entities.
- Proficiency or working understanding of energy deal trade management systems and electric supply modeling/dispatch software such as Ascend Analytics PowerSimm and BatterySimm; Plexos, and Aurora.
- 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).
- Expert proficiency in Excel modeling, Access Data Base and Tableau.
- SQL/programming proficiency.
- Extract data, perform various analyses, and translate findings into meaningful business recommendations.
- Be self-directed and comfortable operating in a dynamic, fast-paced start-up environment.
- Superior project management skills, including managing multiple priorities.
- Experience supporting and working with cross-functional teams in a dynamic environment.
- 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 science, technology, engineering, mathematics, environmental science, 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: Five (5) years, depending on level, of progressively responsible experience as an analyst, planner or in procurement at an electric utility, regulatory agency, cleantech company, or similar organization with emphasis on electrification of the built environment, mobility, or grid integration, or a closely related field.

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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