



WHOLESALE ENERGY MARKETS PLANNER/MANAGER

SALARY RANGE:

Planner: \$143,351 - \$225,265

Manager: \$164,136 - \$242,105

SUMMARY DESCRIPTION

Under general direction the Wholesale Energy Markets Planner/Manager is the subject matter expert and strategic lead for market opportunities within the CAISO and assesses portfolio risk management, asset, and portfolio optimization.

SUPERVISION RECEIVED AND EXERCISED

This position reports into the Power Resource Department. Management of consultants and contractors is expected. This position has no direct reports however may supervise temporary and/or internship positions.

ESSENTIAL FUNCTIONS

- Function as a subject matter expert and strategic lead for market opportunities within the CAISO.
- Analyze resource strategies, evaluate their effectiveness, identify opportunities to increase values and communicate these strategies to the team, including bidding strategies.
- Provide analytical support and expertise for renewable asset management, origination, and trading activities to generate trading strategies and identify, track and report on market and pricing trends.
- Design, program, modify, and operate systems for measuring, monitoring, and reporting financial risk from power supply positions.
- Lead or support the load forecasting function for various end-uses including long-term energy planning, resource adequacy, procurement, and scheduling.
- Support efforts to develop systems/processes to implement new renewable resources and ensure optimization of resources in wholesale energy markets.
- Create and maintain various supply and demand-side models to support key forecasting, procurement, and programmatic initiatives and/or compliance requirements including energy hedges, resource adequacy, carbon-free and RPS.
- Establish improvements to trade manager systems.
- Support the development and improvement of models and software to further optimize interactions with CAISO markets.
- Write staff reports and presentations for Board and Committee meetings.
- Performs related duties and responsibilities as required.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge:

- Principles of electricity generation, transmission, distribution, and infrastructure.
- Knowledge of California Independent System Operator (CAISO) process.
- Knowledge of power scheduling.
- Knowledge of California energy markets and energy products, energy trading and trade capture processes, and standard risk management policies and strategies.
- Strong skills in statistics, machine learning, and optimization algorithms and principles, and their application.
- Strong understanding of statistics, machine learning, and optimization algorithms and principles, and their application.
- California regulatory bodies and agencies (i.e., CPUC, CEC, CARB, BAAQMD and CAISO) policies and requirements applicable to load serving entities.
- Proficiency in Microsoft Office Suite.
- Superior project management skills, including managing multiple priorities.
- Superior people management experience and skills.
- 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, 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) to ten (10) years, depending on level, of progressively responsible experience as an analyst 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 and continued maintenance of a valid class C California driver's license with a safe driving record or the ability to provide alternate transportation as approved by the CEO.

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 accommodation 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. The noise level in the work environment is usually typical of an office environment.

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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