



Energy Resource Analyst IV, Forecaster

Roseville, CA

\$129,501-\$161,886 (USD) Annually

NCPA offers excellent benefits including CalPERS medical and retirement plan. See our website for more details on NCPA's extensive benefits package.

This position is responsible for developing, organizing, maintaining, and assessing electric, gas, and economic and demographic data in order to produce short and long-term load forecasts for NCPA members and its customers. The position is also responsible for synthesizing market data and making recommendations to assist and support the implementation of NCPA resource procurement and risk management strategies in order to minimize costs and limit the financial exposure of the member utilities. The position also requires in-depth knowledge and the ability to model all NCPA projects in regard to optimizing revenue and allocation of settlement costs. This position will require the knowledge set necessary to run a variety of specialized software. The position is also responsible for performing pre-schedule duties on a regular basis, as determined by management so that those duties can be completed in a fully competent fashion to pre-schedule loads and resources into the California Independent System Operator's (CAISO) day-ahead and real-time markets.

ESSENTIAL DUTIES AND RESPONSIBILITIES

This position requires the incumbent reports for work on time and maintains satisfactory attendance in accordance with Agency policy; Ensures work responsibilities are covered when absent; Arrives to meetings and appointments on time; Performs special assignments for their supervisor or others as assigned. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Responsibilities:

Maintain databases and models in order to produce real-time, day-ahead and long-term load forecast.

Assess economic and technical factors affecting both the long-term and short-term forward electric, natural gas, and related markets in order to create forward price views for the purposes of resource procurement and risk management.



Day-ahead pre-scheduling of loads and resources into the CAISO markets using NCPA in-house software.

Assist and make recommendations to support the implementation of risk management programs and strategies for member utilities.

Identify, design and perform planning and analysis work required to assist in the modeling of load/resource optimization/balance for individual Members, Project Participants, and Schedule Coordination Customers.

Maintain databases and acquire market data for purposes of analysis.

Collect and organize various historical data for report submissions to the California Air Resources Board (CARB), the California Energy Commission (CEC), the Energy Information Administration (EIA), the CAISO and any other reporting entities.

Prepare and present oral and written reports related to market analysis and other projects as assigned.

Other related duties may be assigned or changes to the above so as to support members.

MINIMUM QUALIFICATIONS

Education and/or Experience

A Bachelor's degree from an accredited college or university in Engineering, Mathematics, Economics, or a related field; and six (4) years related experience and/or training; or equivalent combination of education and experience.

Master's degree is highly desirable.

Statistical, computer, economic, utility experience, financial background is preferred.

KNOWLEDGE AND ABILITIES

Knowledge:

The position requires a thorough understanding of technical engineering and economic methods of generation planning and analysis; Principles & operating characteristics of integrated power transmission, generating systems and natural gas systems to conduct required analysis; Engineering, economics, finance and accounting related to large multi-year capital construction; Statistical assessment of risk exposure and mitigation technology; Physical



& financial power instrument trading; and operating systems and advanced features of software packages (word processing, spreadsheet, graphics, customized products, etc.)

Abilities:

Ability to exercise a high level of independent judgment, organization and coordination skills in order to handle multiple assignments; Establish and maintain cooperative working relationships with those contacted in the course of work; Apply advanced mathematical operations or techniques to practical situations/problems; Effectively present information to top management or public groups; Communicate clearly both verbally and in writing; Read, Analyze and interpret scientific and technical journals, financial reports and legal documents or government regulations.

SPECIAL REQUIREMENTS

Must possess valid California driver's license and auto insurance. Occasional travel may be required.

While performing the duties of this job, the employee is frequently required to sit. The employee is occasionally required to stand and walk. Specific vision abilities required by this job include close vision.

WORK ENVIRONMENT

The noise level in the work environment is usually moderate.

All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination.