



Power Analyst

The Vermont Public Power Supply Authority, located in Waterbury Center, Vermont is seeking a Power Analyst to join our team.

Under the direction of the Manager of Power Resources, this position shall manage and coordinate incoming and outgoing information for the power supply dept., work with databases, develop and perform electric power supply simulations for VPPSA members to support sales, power supply planning and analysis.

- Conduct data exchanges with VELCO, ISO New England and other business entities.
- Participating in negotiations for long term power purchase agreements and physical resources.
- Performing complex technical and analytical work primarily relating to resource, rate and cost-of-service activities.
- Conducting analyses and assisting with management of the Authority's Renewable Energy Standard (RES) program.
- Implementing hedging strategies to manage ongoing electricity market positions.
- Maintaining an understanding of wholesale electricity markets including but not limited to understanding rules of the Independent System Operator in New England (ISO-NE).

Duties require knowledge of the New England power market, Vermont regulatory process, and knowledge in mathematical and economic modeling, or comparable education and experience equivalent to completion of four years of college.

Three or more years of experience in energy, R programming language, utilities or related field are preferred. VPPSA is building a team of professionals who are passionate about helping Vermont towns meet their energy needs. If you are a team player and enjoy a fast-paced collaborative environment we want to hear from you.

Please send resume and salary requirements to: Vermont Public Power Supply Authority, PO Box 126, Waterbury Ctr., Vermont 05677 Attn: Amy Parah, or email to: aparah@vppsa.com with the subject: **Power Analyst**.

Position open until filled. Full job description at: vppsa.com.

Vermont Public Power Supply Authority

Job Description

Position Title:	Power Analyst	Department:	Power Services
Reports To:	Manager of Power Resources	Date:	January 1, 2025

GENERAL SUMMARY:

Under direction of the Manager of Power Resources, the Power Analyst shall manage and coordinate incoming and outgoing information for the power supply department, work with databases, and interact with other areas throughout VPPSA. The analyst shall also develop and perform electric power supply simulations for VPPSA's member and non-member utilities to support sales, power supply planning and analysis, and perform a variety of power supply reporting functions.

ESSENTIAL JOB FUNCTIONS:

- Under the direction of the Manager of Power Resources manages participation of load resources along with contracted and owned generating resources within and outside of ISO-NE markets, central dispatch reporting, and regulatory reporting.
- Under the direction of the Manager of Power Resources implements risk management across the Authority's broad portfolio of energy and ancillary market products including implementing, monitoring and improving trading strategies for energy, capacity, reserve, and other products.
- Manages renewable energy credits purchases, sales, and reporting including the Authority's Generation Information System (GIS) account.
- Represents the Authority on Renewable Energy Standard (RES) Technical Advisor Group (TAG) and conducts analysis of projected savings for custom RES measures.
- Assists with overall management of the Authority's Renewable Energy Standard program.
- Responsible for energy resource, capacity and transmission scheduling and confirmations.
- Provides assistance to the Manager of Power Resources, Accounting Department and other VPPSA staff as needed.
- Conducts data exchanges with VELCO, ISO-New England, and other business entities as applicable.
- Reconciles monthly transactions with other business entities and produces monthly billing information for the Accounting Department.
- Assists in long term power planning and special project work as required.

- Prepares Power Budgets, Rate Case Supporting Documents, Periodic Resource Reports, and audit notes under the direction of the Manager of Power Resources.
- Manages assumptions used for modeling and analysis.
- Verifies correctness of power supply expenses and allocation of dollars to VPPSA member systems and other entities with which VPPSA may contract to provide services.
- Responsible for regulatory reporting requirements, reporting requirements associated with VPPSA status a market participant in ISO-NE, and other reporting requirement including but not limited to Generation Information System reporting.
- Assists other VPPSA staff as required relative to regulatory and legislative matters pertinent to the business of VPPSA and its member systems.
- Responds to inquiries from member electric systems and third parties relative to areas within the responsibilities of the position.
- Represents the interest of the Authority and its member systems in regulatory, legislative and other forums on matters including, but not limited to, transmission planning, pricing of legislatively mandated generation sources and other matters as appropriate.
- Maintains appropriate files and records in connection with the above responsibilities.
- Performs special project assignments, including but not limited to market updates and regulatory filings as needed.
- Perform economic and risk analyses on power supply positions, portfolios, and generation projects.
- Assist negotiation and analysis for contracts, respond to RFPs and represent the Authority's interests to external parties.
- Implement trading and hedging strategies and manage ongoing positions in energy, renewable energy credit, capacity, and reserve markets
- Implement load and generation bidding within the ISO-NE market system, including energy, capacity, RECs, reserves, and other products.
- Responsible for trading activity over the full trade lifecycle (front, middle and back office functions, trade support, etc)
- Create and modify resource optimization tools to manage power supply portfolios and to maximize efficiency within the Authority.
- Maintain understanding of wholesale markets and changes in market including but not limited to understanding rules of the Independent System Operator in New England (ISO-NE) and its interaction with VELCO, NEPOOL, and other associated entities.
- Represent the Authority at meetings at the state and regional levels as required.

- Respond to requests for power cost information, reporting, and analysis.
- Performs other related duties as required.

PREPARATION, KNOWLEDGE, SKILLS, & ABILITIES:

Duties require knowledge of the New England power market, Vermont regulatory process, and business administration equivalent to completion of four years of college and one to three years of progressively responsible related experience preferably in a utility operating in a fully regulated environment.

Leadership, planning, and organizational skills.

Ability to work independently, handle multiple tasks, and meet project deadlines.

Ability to work in a fast-paced environment.

Ability to offer effective public presentations in a variety of settings, including but not limited to VPPSA Board and member governing board meetings, regulatory hearings and workshops, and legislative committees.

Ability to recognize organization-wide priorities and work cooperatively to support their accomplishment.

Ability to communicate effectively both verbally and in writing; to establish positive public relations for the VPPSA, and to interact effectively with a wide variety of people.

Experience with R programming language preferred.

SUPERVISORY RESPONSIBILITY:

None.

WORKING CONDITIONS/PHYSICAL DEMANDS:

Normal office environment, not subject to extremes in temperature, noise, odors, etc.

Regularly uses computer keyboards requiring eye-hand coordination and finger dexterity.

More than half of time spent in normal office setting.

Occasionally requires travel to other communities.

POSITION CLASSIFICATION:

This position is classified as a **Non-Exempt** position.