ORANGE COUNTY
POWER AUTHORITY
YOUR CLEAN ENERGY CHOICE

Energy Intelligence Manager

Orange County Power Authority seeks a seasoned, analytical energy professional to support the Authority's energy portfolio through advanced quantitative analysis, market intelligence, forecasting, and risk management. This position will develop and enhance the analytical tools, models, and systems used to measure, monitor, and forecast OCPA's energy costs and portfolio risks.

Working closely with the Finance & Risk Manager, Power Resources, Regulatory & Legislative, and other OCPA teams, the Energy Intelligence Manager will provide specialized quantitative analysis to support OCPA's overall risk management framework and informed decision-making. The position will also collaborate with external consultants and stakeholders and support the development of analytical tools, models, forecasts, stress tests, valuations, dashboards, and reporting.

About OCPA:

OCPA is a dynamic public agency serving customers with renewable energy options at stable rates. A Community Choice Aggregator (CCA) alongside 24 others across the state of California, OCPA launched service in 2022 and currently serves over 188,000 customer accounts in Southern California Edison territory. Current member cities include Buena Park, Fullerton, Irvine, and Fountain Valley with the goal of strategic growth across Orange County. For more information, please visit our website at www.ocpower.org.

Submissions Process: Candidates should send a cover letter and resume with a minimum of three professional references to recruitment@ocpower.org. Submissions will be accepted and reviewed on a continuous basis with selections for interviews being made when a sufficient number of qualified submissions have been received.

About the Position:

The Energy Intelligence Manager will play a key role in strengthening OCPA's energy portfolio analytics and risk management capabilities. Reporting to the Director of Finance and Data Analytics, this position will develop, manage, and enhance analytical tools, models, forecasts, and reporting used to evaluate energy costs, market conditions, portfolio positions, and risk exposure.

The position will provide quantitative analysis across areas including energy market risk, volumetric risk, model risk, cash flow and liquidity exposure, portfolio valuation, and forecasting. The Energy Intelligence Manager will work closely with the Finance & Risk Manager as part of OCPA's integrated risk management function while maintaining appropriate Middle Office independence from energy procurement and transaction-execution activities.

The successful candidate will bring strong quantitative and analytical expertise, knowledge of California and Western energy markets, and experience evaluating energy portfolio and market risk. The ideal candidate will be comfortable analyzing complex information independently, developing analytical tools and models, communicating technical findings to a variety of audiences, and collaborating across functional areas.

OCPA currently utilizes a hybrid work schedule. The hybrid schedule includes three days per week in the office. This schedule is subject to change due to agency events or special meetings.

Examples Of Duties / Functions:

- Develop and enhance analytical tools and models to measure, monitor, and forecast risks associated with OCPA's energy portfolio, including energy market risk, volumetric risk, model risk, and related portfolio exposures.
- Monitor and evaluate energy market conditions, market events, portfolio positions, and other factors that may affect OCPA's energy costs and risk exposure.
- Calculate, validate, and analyze mark-to-market valuations, open positions, hedge positions, and other portfolio risk metrics to support Middle Office risk monitoring and reporting.
- Evaluate cash flow risk and liquidity buffers associated with unhedged positions and Day-Ahead/Real-Time CAISO market exposures.
- Perform downside stress evaluations on cash flow requirements from CAISO transactions for major market events.
- Provide analytical support for stress testing as part of OCPA's cash flow management.
- Reconcile cost-of-energy forecasts with actual cost of energy on a rolling basis, identify trends, and provide insights into financial impacts on the budget and forecast in collaboration with the Rates and Revenue Manager.
- Assist with and maintain weekly, monthly, quarterly, and annual reports summarizing market conditions, trends, future market insights, and strategy performance.
- Work closely with the Finance & Risk Manager to support the development, implementation, monitoring, and ongoing evaluation of energy risk management policies, procedures, limits, and controls, with particular responsibility for supporting quantitative analytics.
- Maintain data infrastructure and reporting tools and templates used for risk reporting and analytics.
- Evaluate emerging analytical tools and technologies and recommend platform enhancements, integrations, or migrations.
- Design, develop, and maintain dashboards and reports to support internal reporting and decision-making.

<u>**Qualifications:**</u>

Experience/Education:

- Bachelor’s degree from an accredited college or university in Finance, Economics, Statistics, Data Science, Mathematics, Engineering, Business, Computer Science, Information Systems, or a closely related field, or equivalent and directly relevant professional experience.
- A minimum of seven (7) years of progressively responsible professional experience in energy analytics, energy risk management, portfolio analysis, quantitative analysis, energy markets, analytical systems, or a closely related field.
- Experience in California energy markets, community choice aggregation, electric utilities, load-serving entities, energy marketers, or a related energy organization is highly desirable.
- A Master’s degree in a related field is desirable.

Knowledge:
The successful candidate will possess varied knowledge, skills and abilities. The following are areas of insight and experience indicative of successful performance in this position:

- Strong quantitative, analytical, and financial modeling skills.
- Energy market risk management concepts, methodologies, and analytical techniques.
- California and Western power markets, including CAISO market structures and relevant market and regulatory drivers.
- Electric power procurement and portfolio management concepts, including Power Purchase Agreements (PPAs), hedging strategies, and market transactions.
- Forward curves, mark-to-market valuation, PPA and transaction valuation, structured energy products, and other power-market valuation concepts.
- Quantitative risk methodologies, including Value at Risk (VaR), Cash Flow at Risk (CFaR), scenario analysis, and stress testing.
- Data management, data integration and ETL processes, analytics platforms, data governance, and data-quality concepts.
- Analytical, database, and data-visualization tools. Familiarity with SQL, Python, R, or similar technologies is desirable.
- Load forecasting, market forecasting, portfolio modeling, or other quantitative energy forecasting methodologies.
- California energy markets, regulatory structures, and community choice aggregation.
- Knowledge of statistical, probability, and stochastic modeling techniques and their application to energy portfolio risk is desirable.

Other Qualifications:
- Strong quantitative and analytical judgment with the ability to objectively evaluate complex portfolio, market, and transaction information.
- Ability to identify material risks, evaluate assumptions, and develop clear, well-supported recommendations.
- Strong professional judgment and the ability to maintain appropriate Middle Office independence from procurement and transaction-execution activities.

- Ability to work collaboratively across functional areas and closely with the Finance & Risk Manager as part of an integrated risk management function.
- Strong written and oral communication skills, including the ability to communicate complex quantitative and technical concepts to technical and non-technical audiences.
- Strong work ethic, initiative, integrity, professionalism, and attention to detail.

Abilities:

- Research, analyze, and interpret complex market, portfolio, financial, operational, and systems data and translate findings into meaningful business recommendations.
- Develop analytical tools and models used to evaluate market risk, portfolio exposure, and energy costs.
- Define complex problems and evaluate, recommend, and implement solutions.
- Manage multiple priorities while ensuring projects, analyses, systems, and reports are completed accurately and timely.
- Work independently with minimum supervision and collaboratively as a team member.
- Exercise sound professional judgment, objectively evaluate assumptions and recommendations, and raise material risk considerations when appropriate.
- Communicate clearly and effectively, both orally and in writing.
- Present technical and quantitative information clearly to staff, management, Board members, consultants, vendors, and other stakeholders.
- Use tact, initiative, prudence, and independent judgment within applicable policy, procedural, and legal guidelines.
- Promote teamwork, collaboration, and effective problem-solving.

Physical Demands:

Must possess mobility to work in a standard office setting and use standard office equipment, including a computer / laptop; to operate a motor vehicle and to visit various meeting sites in Orange County to conduct agency business. This is primarily a sedentary office classification, although standing in and walking between work areas may be required. Finger dexterity is needed to access, enter, and retrieve information using a computer keyboard or calculator and to operate standard office equipment. Positions in this classification bend, stoop, kneel, reach, push, and pull drawers open and closed to retrieve and file information. Employees must possess the ability to lift, carry, push, and pull materials and objects up to 25 pounds.

Environmental Elements:

This is primarily a sedentary classification, and the employee works in an office environment with moderate noise levels, controlled temperature conditions, and no known direct exposure to hazardous physical substances. The employee interfaces with staff, management, other agency representatives, as well as government officials, business representatives, and the general public in explaining the agency’s programs and requesting and providing information.

Compensation And Benefits:
Salary is commensurate with experience. The salary range is **$148,800 to $214,200** per year. OCPA offers a generous benefits package that includes:

- Employer-paid individual, family, and domestic partner health insurance (medical, dental, vision)
- Life, short-term disability, and long-term disability insurance coverage
- Retirement benefits, including a 10% employer contribution and an additional employer match of up to 4%
- Paid time off (PTO), ten paid holidays and two floating holidays
- Health and wellness reimbursement benefit
- Technology stipend
- Flexible spending accounts (FSA) – health and dependent care

This is an exempt position. This is not a civil service position; however, some OCPA employees may be required to submit a Statement of Economic Interests form, also known as Form 700.

Orange County Power Authority is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.