



About Monitoring Analytics

Monitoring Analytics is a consulting company whose primary function is to serve as the Independent Market Monitor (IMM) for PJM Interconnection, L.L.C. (PJM). PJM operates the competitive wholesale electricity market and maintains the reliable transmission of power among 13 states in the MidAtlantic and Midwest United States and the District of Columbia. The IMM evaluates the competitiveness of the PJM wholesale electricity markets. Monitoring Analytics is also the market monitor for the Western Climate Initiative carbon cap and trade markets.

Our responsibilities include analysis of the market design and market rules, reporting on the functioning of the market, and identifying manipulative market behavior and the exercise of market power. By fulfilling these responsibilities, we protect market participants and support the goal of regulation through competition. The IMM is an advocate for competitive markets. We are a multidisciplinary team with expertise in economics, financial analysis, engineering, mathematics, data science, public policy, and law. We work both collaboratively and individually on practical and challenging issues facing the evolving energy industry. We work with large and complex datasets and develop a detailed understanding of wholesale electricity market mechanics. Our work includes evaluating the impact of environmental regulations on the operation of competitive markets and ensuring that the market design permits the competitive entry of renewable resources and distributed resources.

Monitoring Analytics is a founding member of an international group of electricity market monitors who meet regularly to exchange ideas and information about market issues. Monitoring Analytics also performs market monitoring, economic consulting and related work for other clients when it does not conflict with our independence as the PJM IMM.

More information about Monitoring Analytics, including reports, presentations and filings, may be found at: <http://www.monitoringanalytics.com>.

Employment Opportunity

Monitoring Analytics is seeking new members for our team. No specific level of experience is required. Applicants from entry level to highly experienced are encouraged.

Track Market Outcomes and Trends

- Track hourly, daily, weekly, and monthly market dynamics and outcomes and identify issues and trends using PJM market data
- Design and develop data screening tools to identify potential market rule violations

- Identify relevant data and develop monitoring processes

Apply Economic Concepts

- Use economic principles to evaluate current and proposed market changes and to recommend market enhancements
- Plan and perform analysis of market data to identify issues and to support recommendations

Support Competitive Markets

- Represent the IMM and the goal of competitive markets in meetings with PJM staff, PJM member companies, and regulators
- Prepare and make public presentations to PJM staff, PJM member companies, and regulators evaluating issues and supporting the IMM's recommendations
- Draft filings and reports for federal and state regulators defining and supporting effective market rules

Report

- Produce detailed analysis of market structure, behavior, and performance
- Prepare explanations of market issues
- Write clearly about complex, technical issues for a diverse audience
- Provide market transparency and accountability to the public while protecting market sensitive, confidential information

Investigate

- Identify market behavior that warrants investigation for market rule violations
- Contact market participants and PJM staff to obtain explanations for market behavior and circumstances
- Collaborate with colleagues to evaluate market behavior
- Prepare referrals of suspected market rule violations for federal regulators

Qualifications

Performing the job successfully requires academic knowledge, technical skills, and an interest in the success of competitive markets. The requirements listed below are representative of the knowledge, skills, and/or abilities required. Those with other equivalent experience or exceptional skills are encouraged to apply.

- B.A. or B.S. degree in economics, engineering, finance, mathematics, or other relevant discipline, or equivalent experience. M.A., M.S., or Ph.D. preferred for senior positions.
- Understanding of microeconomic theory; or understanding of power system engineering concepts, principles, and techniques; or understanding of forensic data analysis and mathematics.
- Ability to define problems, establish and test hypotheses using large and complex data sets, evaluate results and draw conclusions.
- Ability to work with large and complex data sets using SAS, or similar software.
- Willingness to explore new ideas, investigate anomalies, and follow through on work plans in pursuit of the IMM goals with little direct supervision.
- Ability to communicate effectively, particularly report writing and presenting ideas to colleagues and groups.
- Ability to collaborate on teams, respectfully engage in intellectual debate, and embrace diversity.
- Excellent logical reasoning capabilities.
- Strong interpersonal skills and personal integrity.
- Proficiency in use of Microsoft Office Suite tools.
- Proficiency in Spanish or other foreign languages is a plus.

Monitoring Analytics is committed to providing equal opportunity for employees and applicants in all aspects of the employment relationship, without regard to race, color, sex, sexual orientation, gender identity, national origin, citizenship, marital status, veteran status, disability, age, religion or any other classification protected by law.

To apply for or learn more about this position, please send resume and cover letter to Careers@MonitoringAnalytics.com.