



Energy Modeling Analyst

POSITION

This position is responsible for leading in the requirements gathering, definition, development, testing, support and documentation of short term position management tools. This position requires the ability to lead multiple projects concurrently and overseeing the timely delivery of projects. This position will track and understand current and emerging technologies and will lead the deployment effort of new technologies. This position must adhere to and maintain SAS70 compliant IT practices and procedures. This role will need to have a solid understanding of the ISO/RTO LMP markets and traditional energy trading environments.

KEY INTERFACES

Reports to: Manager of Information Services
Direct Reports: None

REQUIRED QUALIFICATIONS

- Candidate should possess a degree in Engineering, Statistics, Economics, Management Science Operations Research, or Applied Mathematics.
- Minimum of three years of experience with a Bachelor's Degree.
- At least two or more years of Energy Trading or Portfolio Analysis experience.
- Relevant computer programming languages including the following: Linear Programming (LP) and Mixed Integer Programming (MIP) using Solver, AIMMS, Matlab or Mathematica, SQL and PL/SQL, C# or VB.NET, Microsoft Excel Macro and VBA programming.
- Working knowledge of Market Settlements, Pricing, Market Transactions and Financial Transmission Rights (FTR's).
- High degree of analytical skills and the ability to manipulate data and build complex models involving interrelated factors.
- Ability to effectively manage multiple projects.
- Effective written and oral communication skills. Exceptional Technical writing skills.
- Customer service orientation.

RESPONSIBILITIES

- Participate in all phases of the model development life cycle: issue definition, model formulation/specification, data collection and processing, model development/estimation, testing, documentation, and analysis.
- Support APM's long term portfolio optimization tools. Be the lead interface between the Structuring Department and IT. Communicate issues to vendors, track issues and modification requests, and migrate changes to production following APM's migration change request process.
- Investigate issues related to power generation, transmission, load, specialized contracts, and LMP market operations. Formulate ways of solving various operational problems.
- Perform Ad-Hoc Quantitative and Statistical analyses on energy markets.
- Work with APM staff and clients to understand modeling requirements and develop input and output data specifications. Present analysis results to internal staff and clients. This position will work closely with the Front Office.
- Effectively work in a high stress, highly productive and rapidly changing environment.
- Will adhere to all APM corporate policies and comply with all APM regulatory requirements, including but not limited to NERC, FERC, and relevant state regulations, as applicable to this position
- Travel as required

SALARY RANGE

Commensurate with experience.

LOCATION

To be determined by the organization's needs.