Power Supply Quantitative Analyst

Position Description
Responsible for providing support to the Agency in the comparative analytics of various energy supply opportunities. Primary responsibilities include developing energy supply models to forecast energy supply usage and costs, to evaluate the impact of various power supply options, and to report model results. These responsibilities will require the analyst to work with other Agency staff to determine or gather energy data from Agency and Member owned assets. The analyst will utilize mathematical statistics and econometrics to evaluate asset options, energy transaction options, and capacity transactions options available to the Agency to serve Agency Members in the most economic manner. The analyst will forecast future scenarios based on existing trends and summarize findings to Agency Members and to other Agency Staff and work to improve existing processes. The analyst will develop and utilize modeling methods that include deterministic and probabilistic future scenarios. The position reports to the Structured Analytics Lead.

Key Responsibilities
- Generate and maintain forecasts of Agency Member load, capacity, and transmission obligations.
- Ability to execute probability analyses using quantitative analysis software such as @Risk, R, Matlab, Crystal Ball, SAS etc.
- Build and maintain SQL Server databases for use in modeling applications and reports.
- Prepare reports that assist Agency staff and Members to understand energy supply risks and opportunities.
- Work with management staff in the execution of capacity and energy transactions.
- Analyze, model and be able to report to Agency Staff and Members new power supply opportunities.
- Prepare Business Case recommendations

About You
The ideal candidate will have the following skills and experience:

- Bachelor’s degree in business, finance, economics or engineering or equivalent work experience
- Experience working with probabilistic and deterministic modeling software
- Experience working with SQL databases
- Proficient in Microsoft Office Applications
• Excellent written and verbal communication skills

If you are looking for a **positive**, high **energy**, customer **charged** work environment send your resume and cover letter to Amy DeLeeuw (adeleeuw@mpower.org). To learn more about MPPA check us out at [www.mpower.org](http://www.mpower.org)

For the right candidate, MPPA will consider remote/work from home options!

**About Us**
Michigan Public Power Agency ("MPPA") is a Joint Action Agency that provides wholesale power supply and related services to publicly owned electric utilities in Michigan. MPPA was created in 1978 with a mission to provide competitive and reliable power supply to its public power utility Members. MPPA has evolved and its core mission expanded to include sustainable power supply resources and services that leverage technological advances in renewable energy, distributed energy resources and intelligent energy infrastructure.

**Equal Opportunity Employer**
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, protected veteran status, or any other characteristic protected by law.

**Your Right to Work**
In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.