ENERGY MARKET ANALYST (ENTRY LEVEL) AT ENERGY SOFTWARE STARTUP

Please send your resume to careers@newgridinc.com, referencing the Energy Market Analyst position in the email subject.

NewGrid is a MA-based cleantech software and services startup set on making the bulk electricity grid more efficient, reliable, and green energy friendly. NewGrid's optimization software technology enables a significant increase in the utilization and transfer capacity of the transmission grid without any new hardware by re-routing flow around congested bottlenecks. The transmission capacity unlocked by NewGrid software increases access of renewable resources to the power grid while improving grid reliability and reducing the cost of electricity.

Our team is made of engineers, researchers, software developers and economists who jointly have decades of experience in power systems and energy markets analysis and design. NewGrid's founders are at the forefront of electricity industry innovation and have successfully launched other startups. With DOE ARPA-E support and collaborating with the largest grid operators in the US, our founders led the first ever team to identify and implement practical grid reconfigurations for application to large-scale power systems.

NewGrid clients and partners include power system operators in North America and Europe, electricity transmission companies, international renewable energy companies, and consulting firms serving the utility industry.

NewGrid is actively engaged in the cleantech ecosystem in the US and abroad. NewGrid is a member of Greentown Labs, the largest cleantech startup incubator in the United States, and a founding member of the WATT coalition of advanced transmission technology companies. NewGrid has been supported by DOE ARPA-E, MassCEC, MassVentures and the National Science Foundation.

An analyst works closely with senior staff and team members in executing project-driven assignments with varying levels of client exposure and technical complexity. A typical assignment begins with understanding the problem by conducting comprehensive market research, continues with discrete quantitative and analytical tasks, and concludes with the interpretation and documentation of results for subsequent tasks or presentation to team members and clients. Analysts also contribute toward the development of key deliverable documents and may participate in business development activities.

NewGrid offers a highly collaborative and research-oriented work environment with access to highly experienced energy experts, an excellent platform for personal and professional growth, and the opportunity to work on impactful projects on the cutting edge of the energy transition.

RESPONSIBILITIES:

- Examining market trends and conditions through targeted research.

- Reviewing and summarizing market reports and client documents and data.

- Conducting data analysis tasks using MS Excel as well as Python, R, SQL, VBA, etc.

- Presenting analytical results to team members and clients.

- Collaborating with team members to prepare reports, presentations, and other client deliverables.

MINIMUM QUALIFICATIONS:

- Background in engineering, mathematics or another quantitative field.

- Strong data analysis skills, including hands-on experience using Python, R, or another similar language.

- Interest in the energy industry.

PREFERRED QUALIFICATIONS:

- Basic understanding of optimization modeling as it relates to electricity markets (constraints and shadow pricing), microeconomics (supply and demand), and elementary finance (net present value calculations).

- Prior work experience in engineering related consulting, systems engineering, or data analysis.