

Generation Planning Analyst

POSITION PURPOSE

Provides the technical expertise and project coordination required to execute the projects of the Generation and Transmission Planning Department. Plans, develops, or selects appropriate analytical techniques to study the Company's power supply system to achieve optimum overall cost-effectiveness, efficiency, reliability, and flexibility of the power supply system. Coordinates departmental projects and functionally supervises other engineers and technicians in the completion of those projects to achieve departmental and corporate goals.

DUTIES AND RESPONSIBILITIES

Coordinates the establishment and/or maintenance of state-of-the-art generation system models capable of providing timely alternatives for efficient, economical, and reliable planning and operation of the power supply system.

Serves as a technical expert for the department on generation and power supply matters.

Coordinates power supply plans for presentation to regulatory agencies.

Prepares reports and studies for departments throughout the Company as directed by management pertaining to power supply plans and/or power production facilities.

Represents the Company on committees, task forces, and similar groups, as assigned.

Advises and consults with departments and individuals within the Company on power supply matters to help achieve the objectives of the department and Company.

Serves as project leader on various projects as assigned.

Consults with equipment vendors, outside engineering firms, outside consulting firms assisting in generation resource analysis, internal and external legal counsel, and other utilities and interfaces with regulatory agencies to help achieve Company objectives.

Maintains awareness and understanding of existing and emerging technologies and regulatory issues that may affect the economics and cost competitiveness of the Company's electric resource portfolio.

Maintains awareness and understanding of the composition and general economic competitiveness of the generation resources of other major Wisconsin utilities.

Functionally supervises other staff on assigned projects.

QUALIFICATIONS

Education and Experience

Bachelor of Science degree in engineering, business, math, economics, or equivalent from a recognized, accredited university.

Preferred a minimum of two years of experience in utility long-term generation/power supply planning including the application of electric generation planning techniques.

Preferred experience in at least one major regulatory proceeding providing and successfully defending analyses and testimony in support of utility generation plans, additions, or changes.

Knowledge and Skills

Good verbal and written skills required.

Knowledge of technical concepts, principles, and computerized techniques required to solve and analyze power supply options.

Strong analytical skills.

Competence in using computer algorithms and software for modeling and analyzing electric energy resource technologies and alternatives.

Knowledge and use of the PLEXOS energy modeling software is preferred.

Knowledge of other modeling applications such as PROMOD for nodal transmission modeling, Electric Generation Expansion Analysis Software (EGEAS), EnCompass power planning software, Aurora energy forecasting software, and PowerWorld software is beneficial.

Knowledge of Midwest ISO rules and regulations.

Thorough knowledge of the fundamentals and methods used in performing economic analyses relating to electric utility investment decisions.

Basic understanding of the review and approval processes and environmental permitting requirements established by state and federal regulatory agencies related to electric generation.

ABOUT THE ORGANIZATION

About MGE

MGE generates and distributes electricity to 163,000 customers in Dane County, Wisconsin, and purchases and distributes natural gas to 176,000 customers in seven south-central and western Wisconsin counties. MGE is a regulated utility subsidiary of the investor-owned public utility holding company MGE Energy, Inc. MGE's roots in the Madison area date back more than 150 years.

An industry leader, MGE was among the first utilities nationwide to commit to net-zero carbon electricity by 2050, consistent with global climate science. Your community energy company is investing in a more sustainable future for the benefit of all our customers, investors, and employees. As your community energy company, we are committed to this area and its people. We take responsibility to:

Plan and provide a safe, reliable, and cost-effective energy supply that balances the needs and values of those we serve.

Provide information and education to serve our customers and stakeholders and help inform their energy decisions.

Preserve and protect our environment while providing affordable, reliable energy.

Encourage and support economic and business development to keep our economy strong and vibrant.

Engage in open and honest dialogue, partnership, and collaboration to best serve our customers and the broader community.

Our Values

Safety: Safety is a core value at MGE. The safety of our employees, customers, and communities is our top priority. Our culture initiatives continuously improve our safety performance. MGE has earned numerous safety awards for this safety performance, including the AGA Leading Indicator Safety Award.

Reliability: We invest in our people and in our systems to help ensure top-ranked energy reliability that helps to maintain the economic health and vitality of the communities we serve. MGE is a national leader in electric reliability.

Sustainability: With a commitment to transparency, accountability, and continuous improvement, we take a holistic and proactive approach to sustainable practices company-wide.

Equity: We are committed to equity and inclusion in our service to our customers, in our workplace, and in our broader community, and we value diverse perspectives, ideas, cultures, and backgrounds.

MGE's parent company is MGE Energy, Inc., a public utility holding company. Its common stock trades on the NASDAQ Stock Market. For more information, visit mge.com and mgeenergy.com.

JOB LOCATION

The position is hybrid, and office days are in downtown Madison, Wisconsin, where MGE is an active participant in community efforts to preserve the area's extraordinary quality of life. We offer free, on-site parking and are located near biking trails and bus stops. Many employees enjoy the use of our many on-site EV charging stations.

AA/EOE-Minorities/Females/Gender Identity/Sexual Orientation/Disabled/Vets