



# CAREER OPPORTUNITY

Belize Electricity Limited (BEL) is the primary distributor and the only licensed public provider of electricity in Belize. Our Mission is to deliver safe, reliable, and sustainable energy solutions to enhance the quality of life and the productivity of enterprise and to support national development.

We are looking for a highly motivated, goal-oriented, responsible, and committed person to join our team in the role of **Energy Analyst Engineer** in our **Wholesale Energy Markets Division**.

## **Job Location: Belize City**

### **Duties:**

- Provide analytical and technical support to the Manager in the formulation, updating, and implementation of the Company's Long-Term Integrated Resource Plan (IRP), including preparation of data inputs, technical analyses, and supporting documentation consistent with national energy policies and regulatory requirements.
- Contribute to the evaluation of supply- and demand-side resource options, including renewables, storage, DSM, and distributed energy resources, and prepare technical inputs for the Company's Long-Term IRP.
- Assist in developing, maintaining, and updating quantitative models that examine the inter-relationships between electricity demand, supply, costs, and environmental performance, including:
  - Forecasting power consumption and peak demand;
  - Evaluating generation mix scenarios;
  - Estimating cost impacts and emissions intensity;
  - Supporting sensitivity and stress-testing analyses.
- Monitor and research electricity industry developments locally, regionally, and internationally, including regulatory changes, planning methodologies, market reforms, and emerging technologies, and prepare technical briefs summarizing implications for BEL.
- Support preparation of regulatory filings and reports to the Public Utilities Commission (PUC), including drafting technical sections, compiling data tables, preparing charts and annexes, and responding to information requests during regulatory review processes.
- Collaborate with internal departments (System Planning & Engineering, Strategy, Regulatory Affairs, Procurement, and Operations) to gather data, validate assumptions, and support resource planning and market analysis studies.
- Support coordination of working groups and special projects related to Integrated Resource Planning, wholesale market design, and resource adequacy by preparing analytical materials, tracking action items, and documenting findings.
- Support the development and maintenance of demand forecasts using economic, demographic, and load data, and conduct scenario analyses addressing fuel price volatility, hydrology variability, climate impacts, and dispatch changes
- Assessing the impact of electrification, distributed energy resources, and climate variability.

- Assist in techno-economic assessment of energy technologies, including renewable generation, energy storage, distributed energy resources, and demand-side management programs, by analyzing cost-effectiveness, operational characteristics, reliability implications, and environmental impacts.
- Analyze pricing mechanisms, PPA structures, capacity charges, and power cost adjustments; support procurement evaluations and assess market reform options suitable for Belize's scale and capacity.
- Support continuous improvement and innovation scanning efforts by:
  - Preparing briefing notes outlining potential benefits, risks, and implementation considerations.
- Support the Manager with preparing the following deliverables:
  - Monthly activity summaries and analytical updates.
  - Data tables and technical annexes for the Long-Term Integrated Resource Plan.
  - Issues Papers identifying regulatory, policy, or market gaps.
  - Draft technical memoranda and background reports.
  - Quantitative models (Excel-based or other analytical tools).
  - Comparative research summaries on regional and international best practices.
  - Supporting documentation for regulatory filings and proceedings.
- Provide monthly department reports and ensure timely and accurate submission of the department's performance.
- Support the Company's Business Planning process by developing the Department's 5-Yr Plans and Budget; and manage the department's budget in accordance with the Manual of Authority.
- Update risk assessments for the Company's Enterprise Risk Management System and make recommendations for improvement to reduce risks within their departments consistent with risk tolerances.
- Any other duties assigned from time to time.

**Education and Experience:**

- Bachelor's degree in Electrical Engineering, Mechanical Engineering, Energy Engineering, Industrial Engineering, or related field, with a minimum four (4) years' experience.

**Required Skills/Abilities:**

- Superior verbal and written communication skills
- Excellent leadership skills
- Curious and innovative
- Action and results oriented
- Ability to inspire and build trust
- Proficient in the use of Microsoft Word, Spreadsheet and Presentation applications

**Salary:** In accordance with Company's salary structure.

Submit application letter along with curriculum vitae, copy of degrees and certificates and three (3) recent professional letters of recommendation to:

Email address: **career.opportunity@bel.com.bz**  
Email subject: **Application – Energy Analyst Engineer**  
Addressed to: **Manager, Talent Acquisition and Development**  
Deadline: **Friday, July 10, 2026**

Only electronic applications are being accepted at this time.

For more information or queries, call us at 227-0954 Ext. 2901.