

## **Consultant – Modelling/Forecasting, Calgary**

**Title:** Consultant – Modelling & Forecasting

**Duration:** Full-time

**Location:** Calgary (Hybrid / Remote flexibility available)

### **Who are We?**

[Power Advisory LLC](#) is an energy sector management consulting firm focused on the North American electricity markets. Our team is led by seasoned energy sector professionals, offering a wide breadth and significant depth of industry knowledge. This experience and knowledge, combined with a detailed understanding of market fundamentals, yields the strategic insights that provide clients with the market advice that achieves desired outcomes while mitigating project risk and delivering value to customers. Since our founding in 2007 we have provided high quality and customized consulting services to clients across the sector. Our consulting team offers decades of experience from varied backgrounds at utilities, system operators, developers, regulators, and other consultancies.

Power Advisory offers a well-balanced team of economists, engineers, MBAs and policy experts with experience working with a wide range of clients including project developers, investors, electric utilities, lenders, state energy agencies and regulators.

### **The Role**

We are seeking a Consultant, Modelling & Forecasting to support system planning, regulatory, and market advisory engagements, with a particular focus on Western Canadian markets. This role is highly analytical and central to project delivery. You will develop demand forecasts, conduct electrification and DER adoption analysis, build economic models, and support long-term system planning studies.

You will work closely with senior consultants and managers to translate complex modelling outputs into clear, decision-ready insights for clients.

This role is ideal for someone who enjoys rigorous quantitative analysis and wants to deepen their expertise in electricity markets and energy transition modelling.

### **Responsibilities**

- Develop and maintain electricity demand forecasts and load growth projections
- Support modelling of electrification scenarios (EVs, heat pumps, industrial load growth)
- Conduct DER adoption and distributed resource impact analysis
- Build and maintain Excel-based and/or Python-based forecasting models
- Perform regression analysis and statistical forecasting of historical electricity usage
- Conduct scenario analysis and sensitivity testing
- Research electricity generation, storage technologies, and cost trends
- Analyze electricity market outcomes to identify trends and inform modelling assumptions
- Document modelling methodologies, assumptions, and results clearly

### **Education:**

- Bachelor's degree in Engineering, Economics, Mathematics, Statistics, Energy Systems, or related quantitative discipline required
- Master's degree considered an asset

### **Experience**

- 1 to 4 years of experience in energy modelling, forecasting, economics, or system planning
- Experience working with utilities, system operators, regulators, or large industrial customers preferred
- Experience in Alberta electricity markets (AESO/AUC) considered an asset
- Experience contributing to regulatory filings or infrastructure planning processes considered an asset

### **Technical Skills**

- Advanced Excel modelling skills (required)
- Experience with Python, R, or other analytical tools strongly preferred
- Experience with regression analysis, econometrics, or statistical forecasting methods
- Ability to work with large datasets and develop structured modelling frameworks
- Strong documentation and version control discipline

### **Professional Attributes**

- Strong analytical thinker with attention to detail
- Clear written communicator
- Curious about electricity markets and energy transition trends
- Comfortable working in a collaborative consulting environment
- Eager to grow technical depth and take on increasing responsibility

### **What Power Advisory Offers**

- **Work That Matters:** Projects that shape electricity markets, regulatory decisions, and long-term infrastructure planning across North America. Your work will influence real-world outcomes, not sit on a shelf.
- **Intellectual Autonomy:** We hire smart people and give them room to think. You'll have ownership over methodologies, modelling approaches, and client strategy.
- **Flexible Work Model:** Hybrid and remote flexibility with minimal in-office requirements.
- **Office Support:** Home office budget to ensure you have the tools and setup you need to do your best work.
- **Competitive Compensation:** Competitive salary commensurate with experience, performance-based bonuses
- **Clear Growth Path:** Opportunities to expand client leadership, mentor team members, and contribute to firm growth.

### **How to apply**

Please submit your cover letter and resume to:

[resumes@poweradvisoryllc.com](mailto:resumes@poweradvisoryllc.com)

Applications will be considered on a rolling basis.

Please indicate the position you are applying for in the subject line.