

## **EMPLOYMENT OPPORTUNITY:**

### **TECHNICAL ANALYST / SENIOR TECHNICAL ANALYST**

November 15, 2024

#### **ABOUT THE MARKET SURVEILLANCE ADMINISTRATOR**

The Market Surveillance Administrator (MSA) is a public agency that protects and promotes the fair, efficient, and openly competitive operation of Alberta's electricity and retail natural gas markets. The MSA conducts surveillance of Alberta's electricity and retail natural gas markets and undertakes enforcement activities to ensure compliance with all applicable electricity and natural gas legislation, the Alberta Reliability Standards, and the Independent System Operator's rules.

The MSA's work is carried out by a small group of highly trained economists, analysts, and legal and administrative staff. If you are looking for a challenging and collegial environment where everyone's contribution counts, the MSA welcomes you to our team. We reward our staff with competitive compensation and benefits, as well as the opportunity to continuously develop new skills and abilities. The MSA offers a hybrid work model.

#### **CAREER OPPORTUNITY**

The MSA is looking to recruit a highly analytical problem solver with experience in data munging, loading, and analysis for the position of Technical Analyst or Senior Technical Analyst (Technical Analyst). The position will report to the Manager, Analytics.

The Technical Analyst will have the following responsibilities:

- Developing and maintaining dashboards in Power BI and R-shiny.
- Building data pipelines and querying databases in SQL and PostgreSQL.
- Analyzing, monitoring, and identifying outliers and trends in data.
- Discussing findings and market outcomes internally and externally through written reports and presentations.
- Develop code in R or Python for data analysis; update, enhance, and debug existing code.
- Develop and maintain support documentation.
- Working with version control.
- Deploying products on a server.

The annual base salary range for a Senior Technical Analyst begins at \$115,000. The annual base salary for a Technical Analyst begins at \$80,000.

## **QUALIFICATIONS**

- Bachelor's degree in computer science, software engineering, mathematics, or other quantitative discipline. A Master's degree is considered an asset.
- Professional experience in programming, database management, and data analysis. Prior work experience with relevant software; e.g., SQL, R, Python, and Unix/Linux competency in a production environment. Development experience with R Shiny is a plus.
- Demonstrated ability to set up and troubleshoot existing ETL pipelines into structured databases.
- Ability to apply mathematical concepts and operations to economic problems.
- Demonstrated ability to define problems, establish hypotheses, analyze complex data to test hypotheses, evaluate results, and draw conclusions.
- Strong written and oral communications skills, including the ability to effectively present information to colleagues, management, industry professionals, and public groups, including writing reports and making presentations.
- Familiarity with the Alberta electricity market or other wholesale energy markets is a plus.
- Ability to work effectively individually and on teams and under inflexible time constraints.

## **APPLICATION PROCESS**

If you are interested in this role and meet the required qualifications, please submit (i) a cover letter that demonstrates each of the qualifications outlined above and (ii) a resume or curriculum vitae before 4 p.m. MT on Friday, November 29, quoting the position title in the subject line, to [careers@albertamsa.ca](mailto:careers@albertamsa.ca).

We thank all applicants for their interest; however, only candidates selected for an interview will be contacted. Successful candidates will need to undergo background checks prior to the commencement of employment, which may include eligibility to work in Canada.

Applications for this position may be used to fill similar positions should they become available.

## **PRIVACY NOTICE**

The personal information contained in cover letters and resumes is being collected for the purpose of determining your eligibility and qualifications for a position with the MSA. This information is collected in accordance with section 33(c) of the *Freedom of Information and Protection of Privacy*

*Act.* If you have any questions about the collection or use of this information, please contact the MSA's FOIP Coordinator, Suite 600, 440 - Second Avenue SW Calgary, AB T2P 0L6 or by telephone at 403-705-3181.