POSITION DESCRIPTION

Position details	
Position title	Quantitative Analyst (Intern)
Team	Monitoring
Group	Legal, Monitoring and Compliance
Location	Wellington
Date	November 2026

Our purpose

The Electricity Authority Te Mana Hiko is an independent Crown entity, established under the Electricity Industry Act 2010, responsible for regulating New Zealand's electricity industry for the long-term benefit of consumers. Our vision is reliable electricity at lowest cost for New Zealand consumers. We work towards two outcomes:

- Affordable - electricity is generated and delivered at lowest cost over time for New Zealand consumers; and
- Reliable - our electricity system is secure, resilient and meets consumer demand at an efficient level of reliability.

How we work

The Electricity Authority promotes competition in, reliable supply by, and the efficient operation of, the New Zealand electricity industry for the long-term benefit of consumers.

Our functions describe how we do this. We work to:

- Promote market development: To enable New Zealand's electricity markets to deliver better outcomes for consumers, we maintain a responsive regulatory environment that both reflects industry's current state and supports innovation and change. Key tools for market development include market facilitation measures and amending the Code.
- Monitor, inform and educate: Transparency and understanding are vital to the operation of the electricity markets. Our market monitoring, information and education work focuses on making data, information and tools available, increasing participation and improving awareness of how electricity markets function.
- Operate the electricity system and markets: We are responsible for the day-to-day operation of the electricity system and markets. To achieve this, we contract out some services including the role of system operator, which provides the real-time coordination of sending generated electricity across the national grid to meet demand from consumers.
- Enforce compliance: We ensure the Act, regulations made under the Act and the Code are followed by electricity industry participants. Our compliance function also helps

How we work

improve the industry more generally, as lessons learned support our education of participants and help us to identify and resolve on-going or systemic issues.

- Protect the interests of consumers: We are responsible for protecting the interests of domestic and small business consumers in relation to the dealings of industry participants supplying their electricity.

More information can be found on our website www.ea.govt.nz.

Our values

The Electricity Authority has the following values:

Our people
We support the development of each other and work together to achieve our goals.

Boldness
We are decisive, forward thinking and not afraid to do the right thing.

Excellence
We are committed to producing the highest-quality work.

Openness
We are transparent in our work and listen to others.

Integrity
We are honest and trustworthy and treat everyone with fairness and respect.

Our group

The Legal, Monitoring and Compliance Group provides in-house legal services for the Authority through its Legal Team, while the Compliance Team is responsible for monitoring, investigating and enforcing compliance with the Code, the Electricity Industry Act and various regulations.

The two Monitoring teams analyse market activity and provide support to various areas. The role of monitoring is to analyse data and undertake modelling and simulations to measure and assess competition, reliability and efficiency in the sector. Our main work involves investigating security or market events, evaluating past regulatory change, providing technical assistance to other Authority groups, and creating real time monitoring tools to help us keep abreast of market conditions.

Purpose of this position

The purpose of this position is to support the Monitoring team to understand and assess developments in New Zealand's electricity market through quantitative research and analysis.

The role provides an opportunity to apply and develop quantitative, data analysis and programming skills in a practical regulatory environment, while contributing to evidence-based insights that support the Authority's monitoring and decision-making.

Working relationships

Reports to	Manager Market Intelligence
Direct reports	Nil
Internal relationships	• Monitoring Intelligence team • Other Authority staff

Our values	
External relationships	• Industry stakeholders • Industry service providers • Government

Key accountabilities and deliverables

The key accountabilities listed below are not intended to be a complete or limiting description of the role and certain duties may change from time to time.

Quantitative analysis and research

- Undertake research and quantitative analysis of issues and developments in New Zealand's electricity market.
- Analyse and interpret data to identify trends, patterns and insights relevant to the Authority's monitoring role.
- Use appropriate analytical and programming tools to support analysis, modelling and investigation.
- Contribute to written reports, presentations and other material that clearly communicates analytical findings.
- Develop an understanding of New Zealand's electricity markets and the factors influencing market outcomes.
- Produce analysis that is evidence-based and transparent about key assumptions, limitations and uncertainties.

Collaboration and communication

- Work collaboratively with colleagues across the Monitoring team and wider Authority.
- Seek input and guidance from subject matter experts to build understanding of electricity market issues and analytical approaches.
- Communicate analytical findings clearly to both technical and non-technical audiences.
- Contribute positively to team discussions and knowledge sharing.

Work planning

- Plan and organise assigned work to meet agreed priorities and timeframes, seeking guidance where appropriate.
- Take responsibility for progressing agreed tasks and keeping the manager informed of progress, issues or support required.

Experience and Knowledge

- Progress towards, or completion of, a tertiary qualification in statistics, mathematics, economics, data science, computer science, engineering or another quantitative discipline.

Key accountabilities and deliverables

- Experience applying quantitative or analytical skills to solve problems through study, research, work or other relevant activities.
- Ability to undertake and interpret quantitative analysis.
- Experience with, or an interest in developing capability in, analytical and programming tools such as SQL, R or Python.
- Strong written and verbal communication skills, with the ability to explain technical information clearly.
- An interest in learning about New Zealand's electricity sector and regulatory environment.

Behaviours specifications

To be successful in this role, you will:

- Build positive and constructive working relationships.
- Work collaboratively, sharing information and contributing to team outcomes.
- Demonstrate curiosity, initiative and a willingness to learn.
- Seek, respond to and apply feedback.
- Communicate information clearly, logically and appropriately for the audience.
- Apply analytical and critical thinking when interpreting information and drawing conclusions.
- Plan and organise work effectively to meet agreed priorities and deadlines.
- Ask questions and seek guidance to build understanding and improve the quality of your work.