

# Energy Advisor

**Reports to:** Head of Business Growth and Innovation

**Direct Reports:** Nil

**Team:** Innovation and Business Growth

**Date:** August 2024

## Role Purpose

The role of Energy Advisor is a fixed term contract supported by Energy Efficiency and Conservation Authority (EECA) and ChristchurchNZ. The primary focus is conducting assessments of industrial sites/process heat users to drive energy efficiency and emission reduction initiatives. This initiative aligns directly with Ōtautahi Christchurch's Economic Ambition, fostering economic growth that benefits businesses, individuals, and the environment.

ChristchurchNZ envisions a future rooted in a regenerative economy, striving to eliminate more carbon than produced while promoting sustainable practices such as reusing, repairing, and repurposing materials. By championing climate-positive change, the Energy Advisor contributes to the prosperity and sustainability goals outlined in the Economic Ambition framework.

Collaborating with stakeholders to explore opportunities for energy efficiency improvements informed by EECA's Regional Energy Transition Accelerator (RETA) programme is a key objective. Data analytics tools are leveraged to analyse fossil fuel usage and simulate emission reduction scenarios to align operational practices with sustainability objectives outlined in Christchurch Economic Ambition.

Developing training programmes, providing project support, monitoring activities, and fostering partnerships with R&D institutions all contribute towards advancing Ōtautahi Christchurch's vision for a thriving economy.

## ChristchurchNZ Purpose Statement

Mā temahi tahi, ka hangahe taiōhangakia oraai ngātāngata me ngāwāhi hoki. Together we're shaping an economy where people and places thrive.

## Who is ChristchurchNZ

ChristchurchNZ (CNZ) is the economic development, regional tourism, and promotion agency for Ōtautahi Christchurch. We are the catalyst for Ōtautahi Christchurch's economic transformation, driving growth and prosperity for our people and our place. We are the champions of our city, showcasing its vibrancy, innovation and potential to the world.

## What does the team do

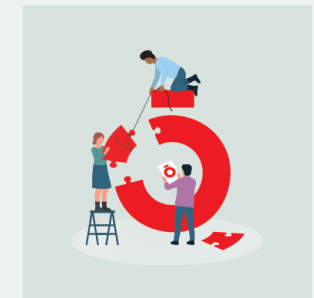
Innovation and Business Growth employees nurture Christchurch innovators and the ecosystem that helps them thrive. We also support the business community, especially in targeted high-growth industries. We work to create high-value jobs for residents and are collaborating with the business community to step towards the city's economic ambition of creating a regenerative economy, because Christchurch is a city that cares about its people and their futures. Join us to help make Ōtautahi Christchurch a better place for business.



We are Open



We are Purposeful



We are Together

## | What you will do

**Demand Site Identification:** Conduct assessments of industrial sites/ process heat users and identify opportunities for energy efficiency improvements and emission and peak demand reduction initiatives.

**Technology Integration:** Stay informed about local and national emission reduction policies and regulation and encourage process heat users to explore opportunities to exceed compliance requirements.

**Data Analysis and Modelling:** Develop and utilise data analytics and modelling tools to analyse and calculate total fossil fuel use, identify areas for optimisation, and simulate the impact of proposed changes on emission reduction targets.

**Stakeholder Engagement:** Collaborate with industrial clients, regulators, and other stakeholders to understand their energy needs and emission reduction goals.

**Training and Education:** Connect process heat users with training to enhance their understanding and adoption of energy efficiency best practices and emission reduction techniques and sustainable practices.

**Project Support:** Support projects aimed at implementing energy-efficient technologies or improving existing systems and behind the meter performance.

**Monitoring and Reporting:** Prepare regular reports on energy consumption, emission reductions, and the overall impact of initiatives for stakeholders.

**Collaboration with R&D Institutions:** Foster partnerships with R&D institutions to leverage research in the field of process heat and emissions reduction.

**Continuous Improvement:** Implement a continuous improvement mindset by regularly evaluating the effectiveness of implemented solutions, seeking feedback, and adjusting as necessary to achieve optimal results.

*Your general duties include those outlined in this position description and may be reviewed and updated from time to time in consultation with you. You will also be required to undertake any other duties that are within your ability to perform to contribute to the overall success of the organisation, if asked to do so.*

## | What you will have

- Bachelor's degree in Engineering or related field
- Up to 3 years demonstrated experience in conducting assessments of industrial sites for energy efficiency improvements and emission reduction initiatives is preferred
- Familiarity with data analytics and modelling tools for energy analysis
- Excellent communication and stakeholder engagement abilities
- Familiarity with local and national emission reduction policies and regulations
- Previous involvement in stakeholder engagement (councils, EDB's, consultants, businesses) within the industry preferred
- Strong analytical skills
- Project management capabilities
- Training and education delivery skills
- Willingness to collaborate with R&D institutions in the field of process heat and emissions reduction

## | Ways of Working

### PERSONAL RESPONSIBILITIES

- Act with integrity and accountability by living into our organisational values
- Ensure you are informed of the CNZ strategic direction and how your work contributes our wider purpose
- Embrace opportunities to work with others across the organisation, sharing your knowledge and expertise to optimise business performance
- Take personal accountability for your health, safety, and wellbeing
- Be innovative by approaching your work with a growth mindset, and the ability to navigate change

### SUSTAINABILITY

- Demonstrate accountability for your resource use and disposal to minimise environmental impacts and economic cost
- Encourage partners and stakeholders to adopt environmentally sound practices and quality assurance programs

### MĀORITANGA

- Demonstrate commitment to the principles of the Treaty of Waitangi by acting in the spirit of participation, partnership, and protection
- Consider Māoritanga in all aspects of business, and engage with iwi where appropriate

## | Working relationships

### INTERNAL

- Primarily within immediate team
- Collaboration with most of the organisation
- Influencing across most of the organisation

### EXTERNAL

- Transactional interaction with external stakeholders
- Influencing and/or negotiating with external stakeholders
- Final negotiations with external stakeholders

## | Financial Delegations

### BUDGET MANAGEMENT

- N/A
- Yes

### BUDGET OWNERSHIP

- N/A
- Yes

### BUDGET LIMIT INDICATION

- Nil
- Up to \$50,000
- Up to \$100,000
- Over \$100,000

*Budget limit is a threshold indication only, your actual financial delegations are as per the delegated authorities policy*