



**Position** **BEC2050 Research Intern**  
**Reports to:** Chief Science Advisor CRL Energy  
**Status:** 6 Month  
**Location:** Gracefield and Wellington CBD

The BusinessNZ Energy Council (BEC) is a group of New Zealand organisations taking a leading role in creating a sustainable energy future for New Zealand. BEC is undertaking a major project to develop scenarios of New Zealand’s “energy future” to 2050. Primarily, they intend to do this through a novel scenario modelling approach, leveraging the World Energy Council’s (WEC) work in this area. As part of this, BEC will partner with a world-leading modelling organisation, the Paul Scherrer Institute, based in Geneva, Switzerland.

The BEC2050 Research Intern is a CRL Energy appointment and will report to the Chief Science Advisor CRL Energy who is Chair of BEC and Chaired the WEC Energy Scenarios Project. [World Energy Scenarios: Composing energy futures to 2050.](#)

The Internship is supported by a Callaghan Innovation R&D Career (6mth) internship.

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### **Mentors**

- John Carnegie BusinessNZ Energy Council (BEC)
- Stephen Batstone Sapere Research Group
- Trevor Matheson General Manager Operations CRL Energy

### **Working Relationships:**

- Technology Manager
- BEC 2050 Project Team Members
- Key PSI, WEC and MBIE Staff
- Other CRL Energy and BEC personnel

**Role:** The role of the BEC2050 Research Intern includes

1. To provide support to the BEC2050 project.
2. Develop an energy foresight capability within CRL Energy
3. Business planning to deliver maximum value from BEC

**Key Tasks:****BEC2050 project**

Depending on the appointment this could involve:

- researching future options for NZ,
- energy modelling inputs and outputs,
- narrative writing editing
- assistance with BEC2050 workshops

**Energy Foresight**

- Assess other energy planning tools such as EnergyScape which may complement BEC2050 [EnergyScape | NIWA](#)

**BEC2050 Delivery**

- Assist with commercialisation and future development of BEC 2050 and other outputs by working with
  - a. Businesses using the scenarios to develop business strategies.
  - b. Project investors as a planning tool to improve performance in their
  - c. Government departments and NGOs for energy policy and planning.
  - d. Business New Zealand Energy Council may establish a follow up project with detailed scenarios

**Qualifications and Experience:**

- A keen interest in New Zealand's energy future
- An energy-related post-graduate science, engineering or business qualification.
- A high-level awareness of the energy industry and energy technologies.
- Good numeracy and literacy skills, and a high degree of autonomy and motivation
- Experience with scenario or modelling work would be useful
- A passion to lead and to grow.

**Health & Safety:**

Work in a safe manner.

Be aware of the Health and Safety requirement of the position (including training).