



Electricity Engineers'
Association

**PROFESSIONAL
DEVELOPMENT**

Distributed Generation – Connection Arrangements

PROSPECTUS

October 2022



High Voltage Plant

Introduction

New Zealand is on a path to a low emission, climate resilient future. Government has now put in place mechanisms to achieve 100% renewable electricity by 2030 and net zero greenhouse gas emissions by 2050. A [cost benefit analysis undertaken by the Sustainable Energy Association \(NZ\) for the](#) Electricity Authority identified the value to society (economy and environment) of distributed generation through to 2050 of over NZ\$7.1 billion.

Anecdotally network owners have said they are inundated with requests from potential generators, and both are finding it difficult to work with the existing connection arrangement framework, and there is no consistency in the way that existing regulations are interpreted across the country.

In response the EEA has partnered with Ron Beatty (formally of the Electricity Authority) to develop online courses and facilitated workshops to encourage distributed generation stakeholders to work closer together to support the New Zealand energy sector's contribution to the net zero greenhouse gas target.

This course is intended to be the first course developed by the EEA in response to the decarbonisation challenge.

Who should participate?

The course is suitable for anyone working with connection arrangements or interested in distributed generation and participating in the electricity market.

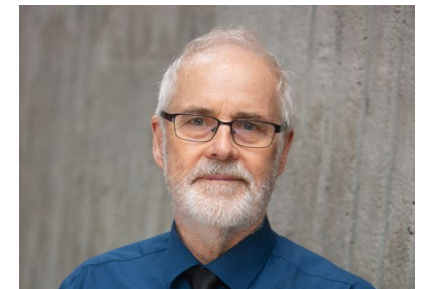
The Course

This course explores the distributed generation landscape and the regulatory framework underpinning connections arrangements. The course aims to provide distribution line company staff, potential generators, and industry consultants with information to help understand and navigate:

- the regulatory framework
- information sources
- connection arrangements, and requirements
- a deeper understanding of Part 6 of the [Electricity Industry Participation Code 2010](#) and the various application processes
- In addition (and in anticipation of the proposed consultation on changes to Part 6) Ron will be discussing the proposed changes in order to help you make informed submissions to the Electricity Authority.

The Facilitator

Known to most people, Ron Beatty has worked in most areas of the electricity industry in the last 50+ years including the Electricity Regulator (Electricity Commission and then the Electricity Authority) for 15 years until his retirement. His most recent position was Principal Adviser Market Services where he specialised in complex technical issues, market operations, physical and financial settlements, and industry training.



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What will you learn?

The course will take between seven to nine hours to complete in total.

Part 1 – the distributed generation landscape

In these three online modules Ron introduces the regulatory framework, information sources, arrangements, and requirements, and then delves deeper into Part 6 of the Code and the various application processes.

The modules are accessed via the EEA website and will take approximately three hours to complete.

Part 2 – Problem solving

Ron will facilitate three, two-hour online workshops, where participants will be introduced to, and work through a range of real-world case studies and scenarios. Active participation is encouraged, and the schedule will be arranged with participants upon enrolment.

Workshops Topics

1. set up a new DG installation, including scenario mapping and a step by step process. Identify issues with the regulatory framework in the process.
2. how to change/upgrade an existing DG installation, including scenario mapping and step by step process. Identify issues with the regulatory framework in the process.
3. breaking down barriers and recommendations to improve DG engagement

Participants can do all three workshops, or do Workshop 1 OR Workshop 2, AND Workshop 3.

Prices and Registration

Registration links and pricing information for all courses are located on the Professional Development pages on the [EEA website](#).

