

## Appendix D Redline notice: Cost of investment

*This appendix shows changes that have been made to the 2.16 notice as consulted on. Amendments in this appendix are displayed as:*

- (a) *added text or formatting compared to our consultation paper is red underlined*
- (b) *deleted text or formatting compared to our consultation paper is ~~red~~ ~~strikethrough~~.*
- (c) *text that has been moved between notices in the amended 2.16 notices is in blue underlined and ~~blue~~ ~~strikethrough~~*

This investment pipeline notice is published under clause 2.16 of the Electricity Industry Participation Code 2010 (Code). This notice applies from 1 February 2025.

### Overview

Clause 2.16(1) of the Code enables the Electricity Authority Te Mana Hiko (Authority) to publish a notice specifying information that a participant must, on a regular basis or as a result of an identified event, collect, collate and/or provide to the Authority.

The provision of the required information to the Authority as specified in this notice is for a purpose set out in section 45(a) of the Electricity Industry Act 2010 (~~the~~ Act), specifically to undertake market-facilitation measures under section 16(1)(f) and to undertake industry and market monitoring under section 16(1)(g) of the Act.

### To whom the notice applies

The notice applies to generators as defined in section 5 of the Act.

### When the information needs to be provided

Information is to be submitted by generators within one month of commissioning any new generating station on the transmission network, and any new generating station on the distribution network with a capacity larger than 5MW. For the purposes of this notice, commissioning and commissioned have the same definition as used in the Electricity Industry Participation Code 2010 (Code).

### The manner in which generators must provide the information

Generators required to comply with this notice must provide the information to the Authority using one of two methods: Secure File Transfer Protocol (SFTP) or into a secure Azure storage account. Participants will need to contact the Authority before they submit information so the Authority can create a secure location for the files. This will ensure the information provided is secure and kept confidential. upload the required information to the Authority's Information Provision Platform at <https://info.ea.govt.nz/>.

## Information that must be provided

The information that generators are required to provide to the Authority under this notice is specified below.

### The Authority's approach to assessing and publishing information

The Authority will not publish any of the information collected in this notice directly. The Authority will use the construction cost information provided as an input to assess, monitor and publish levelised cost of energy (LCOE).

The Authority's calculations of LCOE will incorporate information provided by developers, as well as from other sources in New Zealand such as MBIE's generation stack information, publicly available data from developers and information from comparable jurisdictions. This will mean that participants cannot identify any commercially sensitive information. An assessment of the cost of capital will also be included along with the information about the methodology the Authority has used.

<b>Variable Category</b>	<b>Data format</b>	<b>Definition</b>	<b>Purpose</b>
Project name	<u>Character</u>	The intended power station name	To be used as an identifier for projects.
Commissioning date	<u>Datetime (YYYY/MM/DD)</u>	The date that the generating station was commissioned. Commissioned has the same definition as used in the Code	This information will help match projects to other information already provided about existing generation.
Construction cost	<u>Double</u>	<p>A best estimate of the capital cost of construction of the generating station. This should include the cost of land and development, any costs of connection to the transmission or distribution network, the cost of equipment and installation.</p> <p><u>For clarity, this cost estimate should include any additional costs incurred as a result of unexpected events (for example, delays caused by weather or issues in commissioning generation).</u></p> <p><u>Exclude the costs incurred on other projects that are not progressed.</u></p> <p><u>Exclude any costs incurred by contractors that are not borne by the developer.</u></p> <p><u>Exclude the cost of capital.</u></p>	Construction cost is the main input for LCOE. The benefits of better monitoring by the Authority of LCOE are set out in previous sections of the consultation paper.
Operating costs	<u>Double</u>	A best estimate of the non-fuel operating costs; including any fixed operating costs and an assessment of the variable non-fuel costs. For the avoidance of doubt, this excludes the potential cost of thermal fuels such as coal, gas, or biomass, and	Information about operating costs, even without including variable fuel costs, will improve the Authority's assessments of short-run marginal costs as well as better informing LCOE.

		includes but is not limited to staff operating costs and expected maintenance costs averaged over time. <u>This should be in \$/MWh.</u>	
Capacity factor	<u>Double (0.00-100.00)</u>	A best estimate of the expected capacity factor of the generating station	
<u>Planned outage rates</u> <u>(generation only)</u>	<u>Double</u>	<u>If contracts for supply and installation of generating equipment prescribe expected outage rates, provide that information (in trading periods per year-or similar)</u>	<u>This information helps the Authority to monitor security of supply in summer and shoulder periods and helps improve information about capacity factor.</u>