

# Improving visibility of significant distributed generation and load projects

Decision paper

12/05/2026

# Executive summary

## Background

As the economy continues to electrify and investment in distributed generation grows, activity on distribution networks is also increasing. The Electricity Authority Te Mana Hiko (Authority) already provides visibility on activity at transmission level. Using information from Transpower, we publish a [Generation Investment Dashboard](#) that provides a dynamic and detailed picture on planned generation projects.

Making comparable information available for distribution networks would create a more complete picture of electricity supply and demand. This increased visibility can help inform investment and business decisions, improve investor confidence and support policy and industry efforts to strengthen security of supply. Over time, this contributes to a more reliable electricity system and more affordable outcomes for consumers.

However, there is a gap in this visibility. Information about the pipeline of significant distributed generation and load connections is not consistently or reliably available to either the Authority or the wider industry.

In July last year, following our [Network connections project: stage one consultation](#), we decided to address this gap by requiring distributors to regularly provide information to the Authority on significant generation and load developments on their networks.

In October, we consulted on collecting this information under clause 2.16 of the Electricity Industry Participation Code 2010 (Code), with the intention of making the findings publicly available. This decision paper summarises the feedback we received on those proposals, our response and decisions.

## We have decided to delay when the notice comes into effect

In response to submissions, we have delayed the date the clause 2.16 notice comes into effect to 1 December 2026. This timing aligns with other new rules from stage one of the Network Connections Project, also due to come into force at that time. These new rules will make the process of applying for network connections faster, easier and more consistent across distributors, and include a requirement for distributors to publish information about their connection pipelines on their websites.

Aligning the implementation dates reduces the reporting burden on distributors, while still achieving our objective of providing a clearer picture of future generation and load for developers, regulators and system planners.

We will also support the distribution sector to develop their internal systems and processes for efficient data collection, processing, storage, and transfer, integrating with existing customer relationship management processes where possible.

## We have made minor amendments and clarifications to the notice

In response to submissions, we have also made some minor drafting changes and clarifications to the clause 2.16 notice. These are set out in the *Specific drafting details* section and also in Appendix C.

## All other proposed settings remain unchanged

All other settings, including the reporting cadence, thresholds for project inclusion, and information scope, remain unchanged from the initial proposal.

### Next steps

- (a) The Authority will issue a clause 2.16 notice to give effect to this decision.
- (b) Authority staff will support the distribution sector to develop their internal systems and processes for efficient data collection, processing, storage, and transfer, integrating with existing customer relationship management processes where possible.
- (c) The clause 2.16 notice will apply from 1 December 2026, with the first data submission due by 7 December 2026.

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# 1 Purpose

- 1.1 This paper sets out the decision by the Electricity Authority Te Mana Hiko (Authority) to issue a clause 2.16 information notice (information notice) to come into effect on 1 December 2026.
- 1.2 The paper:
  - (a) explains the key elements of the information notice, including changes to the notice from the initial proposal in the consultation paper.<sup>1</sup>
  - (b) discusses other issues raised in submissions to the consultation paper and the Authority's response to these
  - (c) notes how the information notice is consistent with the Authority's statutory objectives
  - (d) sets out the final form of that information notice
  - (e) outlines intended next steps.

## 2 The Authority has decided to issue an information notice under clause 2.16 of the Code

- 2.1 The Authority has decided to issue an information notice under clause 2.16 of the Electricity Industry Participation Code 2010 (Code) requiring distributors to provide information to the Authority monthly on significant generation and load connecting to their networks.
- 2.2 The final information notice is set out in Appendix B. A red-line version showing changes from the version consulted on is set out in Appendix C.

### **This information notice is part of the Network connections project: stage one amendments**

- 2.3 The Authority initially proposed changes to Part 6 of the Code requiring distributors to regularly provide information to the Authority on significant generation and load developments on their networks. However, it now considers this information would be better sought under an information notice issued under clause 2.16 of the Code, as this approach aligns with the process for collection of information in relation to grid-connected developments.

### **A range of stakeholders submitted on our proposals**

- 2.4 The Authority received 14 submissions on the consultation paper.<sup>2</sup> The majority of the submissions came from distributors, with others from access seekers, industry organisations and Transpower in its roles of both grid owner and system operator.
- 2.5 Appendix A provides a list of submitters and a high-level breakdown of responses to yes/no questions.
- 2.6 The Authority has endeavoured to accurately summarise views expressed in the submissions. However, the summaries are not exhaustive and necessarily compress the

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<sup>1</sup> [Improving visibility of significant distributed generation and load projects: clause 2.16 information notice](#)

<sup>2</sup> Unison and Centralines lodged a joint submission.

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information provided in submissions. The individual submissions should be read to obtain a full account of submitters' views.

- 2.7 The submissions in full are available on the consultation webpage, [‘Improving visibility of significant distributed generation and load projects: clause 2.16 information notice’](#).

### **Submissions generally supported improved transparency**

- 2.8 There was broad support amongst submitters for improved transparency of the investment pipeline.
- 2.9 However, many submitters preferred a phased implementation, and raised significant concerns around confidentiality safeguards, proportionality and alignment with existing regulatory frameworks. These are discussed in subsequent sections, together with the Authority's response.

## **3 Issuing a clause 2.16 notice is preferable to alternatives**

- 3.1 The Authority considered the following alternatives:

- (a) amending the existing Transpower clause 2.16 notice to include generation and load connected to distribution networks
- (b) amending the Code
- (c) issuing a section 46 request under the Electricity Industry Act 2010 (Act)
- (d) generation investment surveys.

- 3.2 The Authority considers issuing a separate clause 2.16 information notice requiring distributors to provide information to the Authority on significant generation and load connecting to their networks is preferable to alternatives for the following reasons:

- (a) The differences in the information to be collected make a separate notice simpler and less confusing.
- (b) The clause 2.16 mechanism was specifically designed for this type of situation, ie, regular provision of information and it standardises information provision obligations.
- (c) Information gathering powers under section 46 of the Act are less suited to ongoing requests.
- (d) Investment surveys are time consuming and costly, requiring manual data entry.

- 3.3 Six submitters either agreed or conditionally agreed that a clause 2.16 notice is preferable to alternatives, while only one disagreed and seven didn't respond.

## **4 Some elements of the proposed approach have been revised in response to submissions**

- 4.1 This section sets out the key elements of the Authority's decisions regarding the information notice. In particular, it highlights where elements have changed from the initial proposal.

### **Notice commencement**

#### **What was proposed**

- 4.2 The Authority proposed the information notice coming into force in early 2026.

## What submitters said

- 4.3 Several submitters preferred delaying commencement to align with pipeline publication requirements under the Network connections project: stage one reforms, which is 1 December 2026 for distributed generation and 1 June 2027 for load connections.<sup>3</sup>
- 4.4 These submitters noted this alignment will allow distributors to take advantage of any efficiencies and synergies across these two similar information gathering requirements and avoid premature investment in systems that may later require modification.
- 4.5 WEL Networks supported a slightly earlier start in mid-2026.
- 4.6 The Electricity Engineers' Association (EEA) advocated formal commencement in June 2027 to align with full implementation of Network connections project: stage one, with a short voluntary trial phase from late 2026 to help identify refinements.
- 4.7 Electricity Networks Aotearoa (ENA) and WEL Networks both noted commencement in early 2026, as initially proposed, was unrealistic given holiday constraints and the significant effort involved in setting up systems.
- 4.8 Most submitters favoured commencing load and generation together to allow efficient implementation and data consistency, while Orion preferred to delay load reporting until June 2027, to align with load applications entering the Network connections project: stage one regime.

## The Authority's response

### Visibility of distributed pipeline is important

- 4.9 While Transpower has visibility of some larger distributed generation and load projects through the existing grid-connected pipeline, the Authority considers there is still a significant visibility gap. Around 25% of existing geothermal, wind, solar and BESS capacity (which are expected to comprise the bulk of future generation development) is distribution-connected, suggesting distributed generation will form at least this share of future development. However, distributed generation currently represents only 4% of the grid-connected pipeline overall, indicating a material and growing gap in visibility as distributed generation increases.

### Aligning dates will create efficiencies

- 4.10 The Authority acknowledges the significant efficiency advantages of aligning commencement of the information notice with the related Network connections project: stage one reforms.
- 4.11 While improved transparency of the investment pipeline is very important, the Authority considers that this is outweighed by the efficiency advantages of aligning commencement with Network connections project: stage one and the need to allow a reasonable time for distributors to develop their systems.
- 4.12 The Authority also agrees with most submitters that commencing load and generation together will allow efficient implementation and data consistency.
- 4.13 The Authority has therefore decided to commence reporting requirements under the information notice for both distributed generation and load from 1 December 2026.

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<sup>3</sup> [Network connections project \(stage one\) technical consultation](#) | [Our consultations](#) | [Our projects](#) | [Electricity Authority](#)  
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- 4.14 It should be noted that the requirement for distributors to publish pipeline information on their individual websites under Network connections project: stage one refers specifically to distributed generation applying to connect under the new Process 3 and loads applying to connect under the new Process 5.<sup>4</sup>
- 4.15 As Process 5 does not come into effect until 1 June 2027, distributors do not need to publish large load applications until then, although they may publish these from an earlier date if they wish. The information notice refers instead to kW and kVA thresholds, so is not technically tied to the commencement of these particular processes.
- 4.16 The Authority does not support a voluntary trial phase as it would lead to data inconsistency issues. Instead, all distributors are required to comply with the requirements in the information notice from the date the information notice comes into force.
- 4.17 However, the Authority recognises that it may take some time for systems for collecting information from applicants to be in. This will be taken into account when assessing compliance with the initial disclosures required by 7 December 2026 where distributors have made reasonable efforts to collect and provide the required information. The Authority would prefer incomplete information than no information at all. However the aggregated data will be published as soon as possible after receiving it, which means the Authority's dashboard may not initially accurately reflect the number of projects and capacity at the different project stages. This means the benefits of transparency will not be fully realised until distributors have received and passed on all the information required.

### **An earlier commencement date was considered**

- 4.18 When the Authority consulted on this proposal it expected to make a decision in late 2025 and therefore proposed the information notice coming into effect in early 2026. However, due to competing priorities, this work was put on a slower track.
- 4.19 The Authority considered starting the new reporting requirements under the information notice ahead of the Network connections project: stage one reforms, for example, on 1 September 2026. If implemented successfully this would accelerate improved visibility of the investment pipeline. However, this option entails a higher risk of reporting systems not being ready and fully tested. It would also place additional stress on distributors, who are already preparing to implement the package of new requirements from the Network connections project: stage one reforms and other new processes.
- 4.20 On balance, aligning the implementation date of the information notice with the Network connections project: stage one reforms will be more efficient and allow a more reasonable time for distributors to develop their systems.

### **Specific drafting details**

- 4.21 This section covers specific drafting details not covered elsewhere in the decision paper.

#### **What submitters said**

- 4.22 Submitters raised the following concerns:
- (a) It is not clear what a compliant file looks like.
  - (b) Microsoft Excel is likely to remove "superfluous zeros" from data in submitted files.
  - (c) Filenames based on version number is preferred, rather than a timestamp.

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<sup>4</sup> Clause 6.3(4) of the [Code Amendment](#)  
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- (d) It is unclear how to communicate confidential information.
- (e) It would be more efficient to use existing SFTP file transfer systems, such as the Electricity Registry Hub.
- (f) The Authority should provide worked examples for use of the fields:  
*MaximumExportCapacityMegawatts*, *GenerationActualCapacityMegawatts*,  
*GenerationPeakCapacityMegawatts*.
- (g) Requiring projects with more than one generation type as part of a single project to be split into separate ApplicationIDs adds additional duplication to processes.
- (h) Four more options for the *ReasonForDelay* field were recommended:
  - (i) CONTRACT- negotiation
  - (ii) TECHNICAL- technical design or studies
  - (iii) LAND- land acquisition and negotiation
  - (iv) PROCUREMENT- delivery of equipment.
- (i) Most smaller distributed generation is not required to offer into the wholesale spot market, so the *Operator* field does not apply.
- (j) There is no clear definition of what a 'developer' is.
- (k) Wording in the notice should be amended to read: "As far as reasonably practicable and as permitted by law, distributors should encourage developers to provide best estimates of as much of the information required by the notice as possible for all projects, and for distributors to pass on the available information to the Authority."

### **The Authority's response**

4.23 The following sub-paragraphs indicate the Authority's response to each of the matters raised in turn:

- (a) The Authority will provide a csv template to indicate the required file structure.
- (b) The specified decimal formats for numerical values indicate the maximum number of digits allowed, eg, Decimal(9,5) indicates a maximum of 5 digits to the right of the decimal point and a maximum of 4 (ie, 9 – 5) digits to the left of the decimal point. It is not necessary to fill in every decimal place if it is not significant or useful. The formats have been chosen to allow sufficient space for expected values.
- (c) A submission datetime is a more reliable method than version numbers but does not need to be particularly accurate. If files need to be resubmitted to correct any errors, then each file has a unique name with timestamps preferably in chronological order. This requirement has been clarified in the information notice.
- (d) The Authority will treat as confidential by default any information that could identify a project (unless that information is already in the public domain). Distributors and applicants will only be required to identify information that they consider to be confidential if the Authority wants to publish more granular information than at present. See paragraph 5.50 for more details.
- (e) The Authority has an established secure file transfer protocol (SFTP) system for industry participants to provide monitoring information to the Authority. The registry manager and the Authority are separate organisations with different functions and separate systems.

The Authority needs in-house mechanisms for collecting broader industry data, and many participants use both systems.

- (f) A diagram has been provided to explain the relationship between these fields and the definitions in the notice have been clarified.
  - (g) The Authority requires projects with multiple generation types to be split into subprojects for the purposes of the information notice in order to forecast and track the progress of generation with different physical characteristics. An *SubProjectName* field has been added to the notice to distinguish between distinct parts of the same overall project.
  - (h) Four more options added to the *ReasonForDelay* field as suggested.
  - (i) This has been clarified in the information notice.
  - (j) 'Applicant' has been substituted for 'developer' in the information notice where appropriate. The information notice specifies that the meaning of 'applicant' is defined in Part 1 of the Code.
  - (k) The notice has been slightly amended in response to this submission.
- 4.24 In addition, the following minor refinements have been made to the information notice:
- (a) added a field to indicate whether any of the stage milestones have been reached. Where all the milestone dates have been left blank, this will confirm that this was intentional
  - (b) added a separate *ActualConstructionCommencementDate* field, distinct from the *EstimatedConstructionCommencementDate* field
  - (c) added the ability to provide multiple reasons for delay
  - (d) clarified the treatment of new subdivisions
  - (e) made a minor clarification to the description and purpose of some fields.
  - (f) added some more abbreviations to the *PlanningProcess* options
  - (g) noted that the same exclusions as in the new clauses 6.2A and 6.2B of the Code will apply
  - (h) made other minor wording clarifications

## 5 Some elements remain unchanged after considering issues raised

### Size thresholds for inclusion

#### What was proposed

- 5.1 The Authority proposed that the information request would capture distributed generation applications with net export  $\geq 300\text{kW}$  and load applications  $\geq 500\text{kVA}$ .

#### What submitters said

- 5.2 There was wide support for these thresholds as they align with the size thresholds for large distributed generation and load applications from 1 December 2026 and 1 July 2027 respectively, implemented via stage one of the Network connections project.
- 5.3 The EEA noted that local network impacts can vary significantly depending on location and network characteristics, so it is important to acknowledge these limitations when publishing data.

- 5.4 The Major Electricity Users' Group (MEUG) noted that these thresholds may capture a very large number of projects on larger networks and should be reviewed over time
- 5.5 WEL Networks advocated a 1 MW/MVA threshold to be consistent with clause 8.21(2) of the Code.<sup>5</sup>
- 5.6 The EEA also noted that clusters of smaller projects within a single area or development (subdivision developments with distributed generation covenants or multiple industrial loads in a precinct) may collectively exceed the threshold and materially affect network design and operation. Therefore, thresholds and aggregation settings should be reviewed over time.
- 5.7 Orion sought clarification as to whether the load threshold excludes greenfield and brownfield (residential and commercial) subdivisions, since each subdivision is built to accommodate multiple individual connections (houses and businesses) that may not eventuate as permanent connections for months or years.

### **The Authority's response**

- 5.8 Having considered submissions, the Authority remains of the view that the proposed thresholds are appropriate. However, as submitters suggested, it will monitor these going forward.
- 5.9 Where a connection application covers multiple points of connection, such as for new subdivision developments, the load and generation thresholds apply to the aggregate capacity, as under the new clause 6.2AC of the Code, which will apply from 1 December 2026. Milestones should reflect the progress of the project as a whole. A 'subdivision' load type has also been added for such cases. The drafting has been revised to clarify these points.

### **Scope of information required**

#### **What was proposed**

- 5.10 The Authority proposed collecting information under the information notice in line with what it already collects from Transpower on grid-connected projects. This goes significantly beyond what distributors are required to publish on their own websites under the Network connections project: stage one reforms.
- 5.11 The additional information includes more details on location, the type of generation, fuel and generator, and overall project progress including consents, land, finance, and equipment and construction contracts.

#### **What submitters said**

- 5.12 Distributors noted that much of the additional information was of no interest to them and that collecting it would increase the burden on distributors and developers and require information systems to be expanded.
- 5.13 Some submitters thought information should initially be limited to that required under Network connections project: stage one from 1 December 2026, with more detailed information starting after a year or more.

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<sup>5</sup> This clause requires generators planning to connect to the grid or a local network a generating unit with rated net maximum capacity equal to or greater than 1 MW to provide the system operator with written advice of its intention to connect together with other information in accordance with clause 8.25(4).

- 5.14 Several submitters said much of the additional information may be commercially sensitive and may be subject to confidentiality agreements with other parties. This issue is addressed under *Collecting and handling confidential information*.
- 5.15 Several submitters noted that distributors have no more power than the Authority to compel developers to provide all the information required under the information notice and not required for applications to proceed. Some asked what the consequences would be if a developer is unable or unwilling to provide the information: Should the distributor reject the application and does the Authority anticipate amending the Code to empower them to do so? Would the distributor be penalised?
- 5.16 Orion proposed amended drafting in this regard. This is covered under *Specific drafting details*.
- 5.17 Some submitters noted that some information may not be known at earlier stages of development. This would also require additional engagements with the applicant to keep information up to date as it becomes available.

### **The Authority's response**

- 5.18 The Authority has decided to retain the full list of required information from the draft information notice (with minor refinements as set out in *Specific drafting details*).
- 5.19 The Authority accepts that collecting the additional information will increase the burden on distributors and developers somewhat and require information systems to be expanded. However, once systems are established the increased burden should be minimal.
- 5.20 As noted in the draft information notice, the Authority acknowledges that projects at an early stage of development are unlikely to have confirmed information available for all categories. Nevertheless, developers are expected to endeavour to provide (via distributors) best estimates of all information, including up-to-date information on project stages and milestones. The Authority intends to monitor all dimensions of project progress to identify possible process bottlenecks—not just progress through the new Part 6 application processes—and the additional information is required to do this. The Authority's view is that estimates of unconfirmed technical parameters are better than no information at all.
- 5.21 It is recognised that distributors cannot compel developers to provide the additional information that is not otherwise required for applications to proceed. It is not the Authority's intention that distributors should reject or penalise applications where the developer is unable or unwilling to provide the required information. That would defeat the intent of the information notice, which is to help facilitate investment.
- 5.22 At present, the Authority cannot compel those who are not industry participants to provide information, and developers do not become participants until they connect to the power system. The Authority is exploring with the Ministry of Business, Innovation and Employment (MBIE) legislative changes that would expand the Authority's powers to obtain information from non-participants. In the meantime, the Authority considers the best way forward is for distributors to use their best efforts to obtain this information from developers through their established relationships and processes. The wording in the final version of the information notice is:

The Authority expects distributors to ask applicants to provide best estimates of all the information required by the notice for all projects, and for distributors to pass on all available information to the Authority—particularly in the "Project details" section.

## Collecting and handling confidential information

### What the Authority proposed

#### Legal position

- 5.23 The publication of information collected by a clause 2.16 notice is governed by both the Code and the Authority's Information Management Policy.
- 5.24 Clause 2.21 of the Code provides that participants may identify confidential information when providing information to the Authority. It is the Authority's expectation that developers will be able to identify any confidential information they provide to distributors. Clause 2.22 of the Code sets out how the Authority will deal with information identified as confidential.
- 5.25 Clause 2.22(1) states that the Authority will determine whether:
- (a) there are reasons for keeping the information confidential; and
  - (b) if there are reasons to keep the information confidential as determined by the Authority, those reasons are outweighed by other considerations which render it desirable for the Authority to make all or any part of the information publicly available in order to give effect to one or more of the Authority's objectives in section 15 of the Act and for the purposes of any of the Authority's functions in either:
    - (i) section 16 of the Act; or
    - (ii) section 14 of the Crown Entities Act 2004.

#### Publish aggregated information

- 5.26 The Authority proposed to publish aggregated information by the following categories:<sup>6</sup>
- (a) geographical region
  - (b) connection type (grid or distribution network)
  - (c) connection voltage
  - (d) generation technology
  - (e) load type (data centre, process heat, transport or other)
  - (f) generation category (dispatchable or intermittent)
  - (g) generator type (synchronous or inverter-based etc)
  - (h) developer type (existing gentailer or independent)
  - (i) project status (committed, actively pursued or other)
  - (j) expected commissioning year.
- 5.27 Within each of the above categories, the Authority proposed publishing:
- (a) total number of projects
  - (b) total MW capacity
  - (c) total estimated annual energy production

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<sup>6</sup> The [Generation investment pipeline](#) dashboard does not currently use all these categories, but the Authority may decide to use them in future.

(d) total storage capacity (where applicable).

### **Sharing information with other agencies**

- 5.28 The Authority proposed to share some or all of the information collected under the information notice with MBIE and the Infrastructure Commission, with appropriate confidentiality protections in place, under section 47A of the Act, as is the current practice with grid-connected investment pipeline information.
- 5.29 It also proposed seeking permission from developers (via the proposed information notice) for the Authority to share information collected under the proposed information notice with the system operator, since the system operator is not covered by section 47A of the Act.

### **What submitters said**

- 5.30 Submitters expressed concern about obtaining and handling of confidential and commercially sensitive information.
- 5.31 Most submitters supported strong confidentiality provisions and aggregation consistent with the current methodology for grid-connected projects. They felt aggregation was important to prevent individual projects being identified. This risk is higher in smaller regions where a single large development could be more easily identifiable.
- 5.32 Submitters felt the Authority should guarantee that project-level data will not be disclosed without distributor and developer consent, and test aggregation categories to prevent re-identification of projects.
- 5.33 Submitters noted the risk of competitors becoming aware of investment opportunities that developers were seeking to exploit if sensitive information was published.
- 5.34 Some submitters were concerned that requiring developers to provide developer-specific and confidential information could weaken trust and increase barriers for developers thus hindering investment.
- 5.35 Several submitters noted that in some cases, confidential information is covered by non-disclosure agreements (NDAs), which could inhibit disclosure to the Authority.
- 5.36 Fonterra did not support the publication of load aggregated by type, eg, process heat, as that could lead to identification of planned dairy factory electrification, which could impact existing energy suppliers, onsite operational staffing or consent notification requirements.
- 5.37 Submitters requested that the Authority work with industry to co-develop standardised templates and protocols for information collection, including mechanisms for developers to flag confidential fields, and that confidentiality be handled consistently with publication by distributors under Network connections project: stage one.
- 5.38 The system operator noted that confidential information in a disaggregated form was valuable for identifying developing network constraints. It endorsed seeking permission from developers to share this with them.
- 5.39 The grid owner submitted that the Authority could publish aggregate load and generation by GXP.

### **The Authority's response**

- 5.40 The Authority recognises that trust in institutions is essential for a well-functioning electricity sector. The Authority has robust systems in place to ensure confidential and commercially sensitive information is handled appropriately at all times. These systems

apply to all such data the Authority collects, including information relating to grid-connected developments. The Authority's approach to information management is set out in its [Information Management policy](#).

- 5.41 Having considered submissions, it is clear there are risks around publishing sensitive information and identification of individual projects.
- 5.42 As such, the Authority has decided not to disclose project-level data without distributor and developer consent, where these details are not yet in the public domain.
- 5.43 It should be noted that the only information the Authority currently publishes at a regional level for transmission-level projects is total MW in the generation pipeline. All other characteristics such as project status, fuel type, developer type, load type, load MW are only shown at a national level. Distribution-level projects will be grouped into this dataset and treated the same way (ie the same level of information will be published).
- 5.44 In addition, the Authority has decided it may in the future publish any of the quantities proposed in paragraph 5.27, aggregated at a national level by any of the categories proposed in paragraph 5.26 (except for region). The Authority will endeavour to notify distributors and applicants before doing so, if it considers it necessary.
- 5.45 If publishing information at a more granular level than this is deemed desirable, the Authority will engage with relevant parties, before a decision is made on that publication, to assess the extent and risk to which individual projects could be identified.
- 5.46 Publishing information at GXP-level would likely risk identification of projects. Therefore, publishing this degree of granularity is not currently being considered. However, this may be revisited in future if the ability to identify individual projects is no longer deemed a risk.
- 5.47 It should be noted that NDAs are normally subject to where disclosure is required by law, which would include disclosure under this information notice. However, protecting information subject to an obligation of confidence is one of the reasons for which confidentiality may be sought under clause 2.21 of the Code.
- 5.48 Distributors must upload the information required under the information notice using the Authority's secure file transfer protocol (SFTP) facility. The Authority will provide a csv template to indicate the required file structure.
- 5.49 The Authority will treat as confidential by default any information that could identify a project (unless that information is already in the public domain). It has already decided to publish certain information, which it does not consider to be confidential, as explained at paragraph 5.43.
- 5.50 However, if the Authority wants to publish more granular information, it will require distributors to identify and/or ask applicants to identify any information that the distributor and/or developer consider to be confidential, in accordance with clause 2.21 of the Code, and to explain why the information is confidential. The Authority will handle this information in accordance with clause 2.22 of the Code.
- 5.51 Authority staff are happy to support the distribution sector to develop their internal systems and processes for efficient data collection, processing, storage, and transfer to fulfil Authority requirements, integrating with their existing customer relationship management processes where possible.
- 5.52 The information notice has a flag to indicate whether the applicant gives consent to share project information with the system operator.

## Aggregation of stage information

### What was proposed

- 5.53 The Authority proposed to collect detailed information about the stage of projects relating to the status of consents, planned construction dates, land agreements, contracts for supply, and contracts for financing, and to aggregate this information into an overall project 'status'—committed, actively pursued, and other—when publishing.
- 5.54 This is the same approach currently used for grid-connected generation and load projects.

### What submitters said

- 5.55 Submitters supported the proposal to align with the three broad progress categories used for the grid-connected pipeline (committed, actively pursued, and other) and recommended providing clear criteria for determining when a project moves between these stages.
- 5.56 Some submitters queried whether it was necessary to collect all the detailed project stage milestones since these did not appear in the list of proposed aggregation groupings as set out in paragraph 5.34 of the consultation paper.<sup>7</sup> They also felt the *ReasonForDelay* field would yield similar insights.
- 5.57 Some submitters preferred aligning project stages with those used in Network connections project: stage one rather than creating new progress categories.

### The Authority's response

- 5.58 As noted under *Scope of information required*, as well as aggregating into the three broad progress categories (committed, actively pursued, and other), the Authority intends to monitor all dimensions of projects' progress to identify possible process bottlenecks, which the Minister is also interested in. Detailed stage information is required to achieve this.
- 5.59 The criteria for determining transitions between the three broad progress categories are clearly described under *What do the different project statuses mean?* on the [Generation investment pipeline](#) webpage.
- 5.60 The overall project progress from the developer's perspective goes beyond progress through the Part 6 application stages, and this is of interest to the Authority as noted above. It is noted that distributors are also required to advise the stage reached in the Part 6 application process (column *Part6ApplicationStage*), which will assist the Authority to monitor progress through this process.
- 5.61 Having considered submissions, the Authority has decided to retain the full set of detailed stage information required under the proposed information notice.

## Submission frequency

### What was proposed

- 5.62 The Authority proposed that distributors provide information to the Authority monthly to align with the frequency with which Transpower provides grid-connected pipeline information to the Authority.

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<sup>7</sup> [Improving visibility of significant distributed generation and load projects: clause 2.16 information notice](#)  
Improving visibility of significant distributed generation and load projects

## What submitters said

5.63 Six submitters supported monthly reporting. Reasons included:

- (a) alignment with the publication frequency under the Network connections project: stage one reforms<sup>8</sup>, and
- (b) alignment with the reporting frequency for grid-connected projects.

5.64 Of these, one thought quarterly reporting was more appropriate given the pace of change in many projects. Additionally, however, this submitter said it was important to align with the Network Connections Project: stage one monthly reporting frequency to avoid any discrepancy between distributor and Authority websites.

5.65 Three submitters supported starting quarterly and transitioning to monthly after approximately 12 months as systems mature.

5.66 Two submitters thought quarterly reporting was more appropriate, possibly with an initial six-monthly reporting phase.

## The Authority's response

5.67 On balance, the Authority has decided that monthly reporting is the most appropriate. This has the following advantages, as noted by submitters:

- (a) alignment with publication frequency of other reforms under the Network connections project: stage one reforms, which should make processes more efficient, and
- (b) alignment with the reporting frequency for grid-connected projects.

## 6 Other points raised in submissions

6.1 This section sets out key issues raised in submissions that warrant further discussion but do not change the decision to proceed with the information notice with minor amendments as already discussed.

### There was concern about costs and proportionality

#### What submitters said

6.2 Most submitters said that for the benefits of improved transparency to outweigh the increased costs and drain on distributor resources, the intervention needed to be proportionate and efficiently implemented, including leveraging reporting systems being developed for requirements to come out of stage one of the Network connections project.

6.3 Some submitters preferred choosing either to publish individual distributor pipelines as required under Network connections project: stage one, or a national pipeline as proposed under this information notice—but not both—and with a preference for the latter.

6.4 Some submitters said including distributed generation in the Authority's investment pipeline would be of only marginal benefit.

6.5 Some submitters called for a quantitative cost benefit analysis, or review of information notice settings after an initial period, or some analysis of realised benefits of both the

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<sup>8</sup> Under these reforms, distributors will be required to update the connections pipeline information on their websites monthly—specifically before the final business day of each calendar month, except for December which is to be updated on 22 December or the next business day if 22 December is not a business day. Refer clause 6.3(4)(c) of the amended Code [Network connections project \(stage one\) technical consultation](#)

Transpower and distributor clause 2.16 notices to provide insights into how useful the proposed notices have been.

- 6.6 Some submitters noted the likelihood of disproportionate costs for smaller distributors, potentially requiring extra support or less onerous obligations.
- 6.7 Some submitters noted the extra costs to comply with the information notice would impact their regulated price path and they would seek extra funding to cover this.

### **The Authority's response**

- 6.8 The Authority supports the integration of the data structures required for the information notice with those being developed for the Network connections project: stage one in order to maximise efficiencies and will work with relevant parties to facilitate this.
- 6.9 The focus of the individual distributor pipelines is on the progression of projects through the Part 6 connection queues and processes and possible congestion within each distributor network. Meanwhile, the focus of the Authority's pipeline is on all project milestones not restricted to the connection process and will also contain confidential information that is not published on distributor websites.<sup>9</sup> So both are necessary.
- 6.10 The Authority disagrees with the view that including distributed generation in its investment pipeline would be of only marginal benefit. As discussed under *Visibility of distributed pipeline is important*, a gap in visibility of at least 20% and growing remains until distributor network-connected projects are included. Closing this visibility gap will better inform investment and business decisions, improve investor confidence and support policy and industry efforts to strengthen security of supply, contributing to a more reliable electricity system and more affordable outcomes for consumers.
- 6.11 Costs and benefits are difficult to quantify. However, note that the Authority frequently carries out post-implementation reviews, including reviewing settings, to test if interventions are achieving market benefits.
- 6.12 While some smaller distributors could face disproportionate costs, sector-wide development of protocols and systems is expected to minimise this.
- 6.13 The Authority will work with the sector to develop efficient systems, which will help ensure the benefits to the sector outweigh the costs.

## **Single source of truth**

### **What submitters said**

- 6.14 Some submitters had concerns about maintaining a 'single source of truth' given the existence of multiple pipeline versions (individual distributors, grid owner and Authority).
- 6.15 The grid owner recommended removing all distribution network-connected generation and load projects from the Transpower investment pipeline notice to avoid duplication.

### **The Authority's response**

- 6.16 Monthly updates of both distributor and Authority pipelines will help with this.
- 6.17 The Authority's pipeline will include both grid-connected and distribution network-connected projects.

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<sup>9</sup>The Authority's handling of confidential information is discussed in *Collecting and handling confidential information*  
Improving visibility of significant distributed generation and load projects

- 6.18 The Authority acknowledges there will be some overlap between projects in the Transpower pipeline and the information coming from distributors under the new information notice. Until processes for the distributor information notice are fully bedded in and reliable, the Authority will examine both datasets to verify mapping of one to the other and will monitor this to determine an appropriate time to exclude distribution network-connected projects from the Transpower information notice.

## Future work

### What submitters said

- 6.19 The EEA wanted to extend data collection in future to include distributed energy resources, flexibility services, demand response, and storage to develop a holistic view of how these resources interact within the wider electricity system.
- 6.20 Some submitters thought it may be more efficient in future for distributors to provide aggregated pipeline information at the GXP-level rather than for individual projects.

### The Authority's response

- 6.21 The Authority will consider these ideas going forward.

## 7 This decision supports the Authority's main statutory objectives

- 7.1 The revised information notice supports the Authority's main statutory objective to "promote competition in, reliable supply by, and the efficient operation of, the electricity industry for the long-term benefit of consumers".
- 7.2 The Authority already regularly collects information on grid connections under an information gathering notice, but there remains a significant gap in visibility at the distribution level. The information sought by the information notice will complement our existing grid-connected investment pipeline, improving the visibility of generation investment at the distribution level.
- 7.3 The Authority considers that the cost benefit analysis supports its decision to make this information notice. This is because the additional information to be collected and published will increase overall confidence in the investment pipeline, assisting participants in making informed investment decisions, and contributing to a holistic view of future electricity supply and demand. This will also improve the monitoring of long-term security of supply and promote effective competition in the electricity sector for the long-term benefit of consumers, in line with the Authority's main statutory objective. It also aligns with the Authority's function to undertake industry and market monitoring.<sup>10</sup>

## 8 Next steps

- 8.1 The Authority will issue the information notice under clause 2.16 of the Code to give effect to this decision.
- 8.2 Authority staff will support the distribution sector to develop their internal systems and processes for efficient data collection, processing, storage, and transfer to fulfil the Authority's requirements, integrating with their existing customer relationship management processes where possible.

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<sup>10</sup> s16(1)(g) of the Electricity Industry Act 2010.  
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8.3 The information notice will apply from 1 December 2026 with the first set of information due on 7 December 2026.

## 9 Attachments

9.1 The following appendices are attached to this paper:

- **Appendix A** List of submitters
- **Appendix B** Final 2.16 notice
- **Appendix C** Redline final notice

## Appendix A List of submitters

**Table 1: List of submitters**

Submitter	Type
Buller Electricity	Distributor
Counties Energy	Distributor
EEA	Industry body
ENA	Industry body
Fonterra	Access Seeker
MEUG	Industry body
Orion	Distributor
Powerco	Distributor
Transpower	Grid Owner
Transpower	System Operator
Unison Networks and Centralines	Distributor
WEL Networks	Distributor
Wellington Electricity	Distributor
Anonymous	Access Seeker

**Table 2: Count of submitters by type**

Submitter type	Number
Access Seeker	2
Distributor	7
Grid owner	1
Industry body	3
System operator	1

**Table 3: Summary of responses**

Question in consultation paper <sup>11</sup>	Agree	Conditional agree	Disagree	Neutral	No response
Q1. Do you agree with the Authority's proposal to require monthly provision of information to the Authority, to enable a 'rolling' set of information?	5	4	2	0	3
Q2. Do you agree with the proposed kW/kVA thresholds for inclusion of projects under the proposed notice?	6	2	1	0	5
Q3. Do you think smaller projects should be included under the proposed notice?	0	1	6	0	7
Q6. Do you agree with the Authority's proposal to publish aggregated information, and do you have any comments on how to best maintain confidentiality while providing as much transparency as possible?	4	4	1	0	5
Q7. Do you agree with the Authority's proposal to aggregate some information provided by distributors to assess the status or stage of projects, and do you have any comments on the breakdown of the proposed stages?	3	4	0	0	7
Q9. Do you think data collection for DG and load should commence at the same time?	5	1	1	0	7
Q10. Do you agree the benefits of the proposed clause 2.16 notice outweigh its costs? If not, what area(s) of the Authority's preliminary assessment of benefits and costs do you disagree with?	1	6	2	1	4
Q11. Do you agree the proposed clause 2.16 notice is preferable to the other options? If you disagree, please explain your preferred option in terms consistent with the Authority's statutory objective in section 15 of Act.	4	2	1	0	7
Q12. Should the Authority consider further work to monitor and assess the pipeline of new generation and demand?	4	1	1	0	8

<sup>11</sup> Only yes/no questions are included in this summary.

## **Appendix B Final clause 2.16 notice**

This appendix shows the final clause 2.16 information notice. To see a redlined version of the changes from the consultation paper, see Appendix C.

## Investment pipeline notice—Distributors

This investment pipeline notice is published under clause 2.16 of the Electricity Industry Participation Code 2010 (Code). This notice applies from 1 December 2026.

### 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 (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 distributors as defined in section 5 of the Act, but with the same exclusions as stated in clauses 6.2A and 6.2B of the Code.

### When the information needs to be provided

Information is to be provided to the Authority monthly and should reflect the state of the investment pipeline as at the last day of each month. The deadline for provision is the fifth business day of the following month. Thus, the first set of information is due on 7 December 2026.

The Authority may extend the deadline but only in exceptional circumstances. If you wish to apply for an extension of time under this notice, please email [monitoring@ea.govt.nz](mailto:monitoring@ea.govt.nz) no later than 5pm on the last business day of the month stating your reasons for seeking the extension.

### How distributors must provide the information to the Authority

Distributors must upload the required information as a CSV file using the Authority's secure file transfer facility. CSV files are to be created by utilising the UTF-8 character encoding standard. An option to save as a UTF-8 CSV file is available in Excel.

The Authority will provision an SFTP account if the distributor doesn't already have one. The details required for the Authority to provision an SFTP account and instructions on how to configure and use the SFTP facility will be supplied upon request by emailing [data.products@ea.govt.nz](mailto:data.products@ea.govt.nz).

We encourage distributors who need to set up a new SFTP account with the Authority to make their request well in advance of the deadline to provide data, as it may take some distributors several days working through their IT teams.

### File-naming convention

Files are to be named according to the following format:

DistributorInvestmentPipeline-yyyymmdd-YYYYMMDD-HHMM.csv where:

- (a) yyyymmdd is the last day of the month to which the data relates, eg, 20261130 if the data refers to the pipeline state as at the end of November 2026, and

- (b) YYYYMMDD-HHMM is the date and time the file is submitted, eg, 20261207-1440 if the file is submitted at 2:40pm on 7 December.

The submission datetime need not be particularly accurate. The key is, if you need to submit subsequent files to correct any errors, that each file has a unique name with timestamps preferably in chronological order.

There is no need to specify company name in the filename as such information is automatically captured by the unique SFTP account assigned to each participant.

### **Information that must be collected and provided**

Information is required for the following connection applications:

- (a) Distributed generation (DG) applications with net export  $\geq$  300kW  
(b) Load applications  $\geq$  500kVA.

Where a connection application covers multiple points of connection, such as for a new subdivision development, the load and generation thresholds apply to the aggregate capacity, as under clause 6.2AC of the Code. Progress through the Part 6 application process and project milestones for DG should reflect the progress of the overall project.

The information that distributors are required to collect and provide to the Authority under this notice for these applications is specified in the tables below.

For milestones relating to planning or land acquisition, only the status at the date of issuance of this notice and milestones reached thereafter are required to be provided. For example:

- (a) if a consent is awaiting the result of an appeal (when this notice is issued), the date of the initial consent application is not required  
(b) if legal proceedings for acquiring land have been completed, the date legal proceedings commenced is not required.

Projects that have more than one type of generation as part of a single project (for example, solar projects with associated battery energy storage systems) should be split into separate projects and given the same project name but different sub-project names. This will better enable the provision of information about the generating characteristics of each technology type.

Projects that include both generation and load components in a single connection application only need to be split into separate projects if the generation and load components are expected to progress at different rates.

The Authority does not expect that projects at an early stage in the application process will be able to provide confirmed information for each category. The Authority expects distributors to ask applicants to provide best estimates of all the information required by the notice for all projects, and for distributors to pass on all available information to the Authority—particularly in the “Project details” section.<sup>12</sup>

### **The Authority’s approach to assessing and publishing information**

The Authority has decided to group distribution-level projects with transmission-level projects and continue the current practice for both datasets, which is to only publish total MW in the generation pipeline at a regional level, while all other characteristics such as project status,

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<sup>12</sup> Throughout this notice the term “applicant” has the definition in Part 1 of the Code.  
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fuel type, developer type, load type, load MW are only shown at a national level. The Authority does not consider this information to be confidential.

In addition, the Authority has decided it may in the future publish any of the quantities proposed in paragraph 5.27 of the [decision paper](#), aggregated at a national level by any of the categories proposed in paragraph 5.26 of the [decision paper](#) (except for region). The Authority will endeavour to notify distributors and applicants before doing so, if it considers it necessary.

If publishing information at a more granular level than this is deemed desirable, the Authority will engage with relevant parties, before a decision is made on that publication, to assess the extent and risk to which individual projects could be identified.

The Authority will treat as confidential by default any information that could identify a project (unless that information is already in the public domain).

However, if the Authority wants to publish more granular information, it will require distributors to identify and/or ask applicants to identify any information that the distributor and/or applicant consider to be confidential, in accordance with clause 2.21 of the Code, and to explain why the information is confidential.

The Authority will handle this information in accordance with clause 2.22 of the Code.

More information is available at [Information Management policy](#)

Information will be published in aggregated form including by geographical region, developer type (gentailer or independent), generation category (firming or intermittent), generation technology, project status (committed, actively pursued or other), expected commissioning year, and load type, consistent with the current publication of data received from Transpower on the Authority's [Generation investment pipeline](#).

### Developer and location information

Column	Data type	Definition and Example	Purpose
ApplicationID	String	<p>Identifier (intended to be a consistent value to help the Authority to avoid duplicating projects). This must be a unique key for each project and remain until it is commissioned or cancelled, after which the ApplicationID cannot be reused. Each project must be on a separate line of the file with its own ApplicationID.</p> <p>For projects with multiple stages progressing at different rates, each stage should use the same root ID with the stage indicated by a different letter at the end (or similar mechanism).</p> <p>Projects with both generation and load components progressing at different rates should also be treated like this.</p> <p>Projects with more than one type of generation (eg, solar and battery), should also be treated similarly. Each generation type should be on a separate line with the same root ID but a different suffix. eg, G12345A, G12345B</p> <p>Where projects have been split into two or more sub-projects as described above, they should have the same ProjectName but a different SubProjectName to indicate that they are distinct parts of the same overall project.</p>	<p>Generation developments may change owner, developer, location, and size. As such, the Authority considers maintaining a consistent identifier to track when projects change and avoid publishing duplicated information is necessary.</p> <p>It is necessary to split into sub-projects as described in order to track progress or to differentiate between components with different technical characteristics.</p>
Proponent	String	<p>The entity developing the project. If a joint venture, any entities participating in the joint venture should be listed. eg, Energy Company Limited.</p> <p>For multiple parties, include all names separated by a pipe character. eg, First Company Limited   Second Company Limited</p>	<p>Including information about the connecting party—and in particular about any additional parties involved—is necessary to match public information about projects to information provided under the notice. It also improves monitoring by providing information to assess the breakdown of developers investing in generation in New Zealand.</p>

Column	Data type	Definition and Example	Purpose
Operator	String	For generation and storage projects that are required to offer into the wholesale spot market only. If the planned operator of the plant is different to the connecting party / proponent, then provide the name of the operator (ie, the entity that will be submitting offers for the generating station) eg, Operating Company Limited If this does not apply or is unknown, leave blank.	This is helpful for the purposes of matching offers to the generation fleet. The operator of a plant may impact offers.
ApplicationDate	Date	The date the initial application is received by the distributor, in YYYY-MM-DD format. eg, 2024-12-31	Information on the time since the initial application will help the Authority monitor how long developments take to progress through the connection process, as well as monitoring trends in which projects are delivered.
ExpectedCommissioningDate	Date	The approximate date on which the applicant expects to commission the project, in YYYY-MM-DD format. If the expected commissioning month is not known (for example, for projects several years away from commissioning), use 31st December of the expected year of commissioning. eg, 2024-12-31	Collecting information on when the applicant expects to commission the project enables the Authority to assess the supply/demand balance, and to assess changes to project timelines over time.

Column	Data type	Definition and Example	Purpose
ReasonForDelay	Char(8)	<p>For generation and storage projects only.</p> <p>If the expected commissioning date is later than previously provided, provide the main reason for the delay in commissioning.</p> <p>Selected from the options in bold below:</p> <ul style="list-style-type: none"> <li>• <b>CONSENT</b> - Consenting</li> <li>• <b>FINANCE</b> - Finance</li> <li>• <b>CONSTUCT</b> - Construction</li> <li>• <b>PRIORITY</b> - Prioritising other project(s)</li> <li>• <b>OIA</b> - Overseas Investment Act</li> <li>• <b>CONTRACT - negotiation</b></li> <li>• <b>TECHNICAL - technical design or studies</b></li> <li>• <b>LAND - land acquisition and negotiation</b></li> <li>• <b>PROCUREMENT - delivery of equipment</b></li> <li>• <b>OTHER</b> - Other</li> <li>• <b>N/A</b></li> </ul> <p>Not case sensitive.</p> <p>If more than one reason applies, list the reasons separated by a pipe character. eg, Consent Finance</p>	Collecting information on the reason for delays informs the Authority about bottlenecks and barriers in the connection/development process.
Cancelled	Char(1)	<p>If a decision has been made to <u>not</u> proceed with the project.</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>	Necessary to keep the pipeline up to date.
ProjectName	String	<p>The intended generating station/plant name. If no formal name has been selected, a name can be a working name or linked to the location of the proposed generating station eg, Wellington Solar Farm</p>	Name information will help the Authority assess projects against any public or news information where necessary.

Column	Data type	Definition and Example	Purpose
SubProjectName	String	Where projects that have either multiple stages, or load and generation components progressing at different rates, or multiple generation types have been split into sub-projects as described under ApplicationID, enter a different sub-project name for each component. eg, BESS, Solar, Load, Generation, Stage1  Otherwise, leave blank	This will assist in distinguishing between distinct parts of the same overall project.
ConnectionLocation	Char(7)	The GIP/GXP that the connection is embedded behind, if known. Provide the GIP/GXP code - three letters followed by four digits. eg, KOE1101	Providing information on the location of projects supports better assessments of the supply/demand balance and availability of spare network capacity in different locations.
ZoneSubstation	String	Name of zone substation where (or behind which) the generation/load will be connected, if known. eg, Hobson	As above
LocationName	String	Provide a name of the location of the project. This could be the name of the nearest town, the region or the local authority eg, Wellington	As above
LocationLatitude	Decimal(9,5)	Latitude by global positioning system coordinates (degrees to 5 decimal places - a negative number), if project site is known or anticipated. eg, -35.21870	As above. Also enables the Authority to publish visual information about projects to provide better information on the regional breakdown of developments.
LocationLongitude	Decimal(9,5)	Longitude by global positioning system coordinates (degrees to 5 decimal places), if project site is known or anticipated eg, 173.75750	As above

Column	Data type	Definition and Example	Purpose
Part6ApplicationStage	String	<p>Selected from:</p> <ul style="list-style-type: none"> <li>InitialApplicationReceived</li> <li>InitialApplicationApproved</li> <li>InitialApplicationRejected</li> <li>InterimApplicationReceived</li> <li>InterimApplicationApproved</li> <li>InterimApplicationRejected</li> <li>FinalApplicationReceived</li> <li>FinalApplicationApproved</li> <li>FinalApplicationRejected</li> <li>FinalApplicationLapsed</li> <li>ConnectionContractNegotiated</li> <li>ConnectionRegulated</li> <li>ConnectionCommissioned</li> </ul> <p>Notes - ConnectionCommissioned means the distributor has completed and commissioned their assets. The applicant may not necessarily have completed and commissioned their plant.</p> <p>Where a connection application covers multiple points of connection, such as for new subdivision developments, this should reflect the status of the application as a whole.</p>	Collecting information about where projects are in a distributor's application process will assist in determining the progression of a project. It will also help to assess how much information the Authority expects the applicant to provide. For example, projects at an early stage are unlikely to have any information available about consents, land, or financing.
ShareWithSO	Char(1)	<p>Does the applicant give consent for the information about this project to be shared with the system operator?</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>Y</li> <li>N</li> </ul>	Visibility of the generation pipeline will assist the system operator in managing system security.

## Project details

Column	Data format	Definition	Purpose
MaximumExportCapacityMegawatts	Decimal(8,3)	<p>For generation and storage projects only.</p> <p>The export limit applied to the connection if any (in MW or MVA), to a maximum of three decimal places.</p> <p>eg, 100, 0.650</p> <p>If no export limit applied, leave blank.</p>	Maximum export capacity is important for understanding the impact on the local distribution network.
GenerationActualCapacityMegawatts	Decimal(8,3)	<p>For generation and storage projects only.</p> <p>The planned capacity of the generating station provided in MW, to a maximum of three decimal places.</p> <p>For solar generating stations, provide the MWac figure, ie, the total inverter capacity.</p> <p>For battery energy storage systems, provide the maximum discharge rate.</p> <p>For pumped hydro, provide the maximum generation capacity.</p> <p>For projects that are upgrades of existing generating stations, this should be the net increase in overall capacity in MW.</p> <p>eg, 100, 0.650</p>	Capacity information for projects is necessary to assess capacity adequacy. This will also help the Authority assess how developments may change during the planning process.
GenerationPeakCapacityMegawatts	Decimal(8,3)	<p>For solar generation projects only.</p> <p>Provide the MWp figure, ie, the total nameplate DC capacity of the PV modules under standard test conditions.</p> <p>For other technologies, leave blank.</p> <p>For projects that are upgrades of existing generating stations, this should be the net increase in capacity.</p> <p>eg, 100, 0.650</p>	Collecting differentiated information about MWp and MWac will better enable the Authority to assess the capacity factor and projected annual GWh for solar projects.

Column	Data format	Definition	Purpose
ExpectedPeakDemandMegawatts	Decimal(8,3)	<p>For load and storage projects only, including new subdivisions where total design capacity exceeds the threshold.</p> <p>The expected peak demand of the load, provided in MW, to a maximum of three decimal places.</p> <p>If MW value not available use the MVA value instead.</p> <p>For battery energy storage systems, provide the maximum charge rate. For pumped hydro, provide the maximum pumping load.</p> <p>eg, 100, 0.650</p>	Capacity information for projects is necessary to assess capacity adequacy. This will also help the Authority assess how developments may change during the planning process.
CapacityFactor	Decimal(4,2)	<p>For generation projects only.</p> <p>A best estimate of the expected capacity factor, to two decimal places.</p> <p>For projects that are upgrades of existing generating stations, this should be the increase in energy output relative to the increase in capacity.</p> <p>Provide a number between 0 and 1.</p> <p>eg, 0.95</p>	Important for assessing the annual energy contribution of the plant. The Authority may be able to assess capacity factors using generalised capacity factors for different fuel types. For some fuel types, information provided by applicants will provide a better assessment of capacity factor. This is particularly the case for wind developments, where projects are based on site monitoring for expected wind resource.
ConnectionVoltageKilovolt	Decimal(7,3)	<p>The connection voltage to the distribution network (in kV), to a maximum of three decimal places.</p> <p>eg, 11, 33, 0.400</p>	This information improves the Authority's monitoring and helps with assessments of capacity on local networks.

Column	Data format	Definition	Purpose
GenerationTechnology	String	<p>For generation and storage projects only.</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>• Onshore wind</li> <li>• Offshore wind</li> <li>• Photovoltaic panels</li> <li>• Hydro</li> <li>• Pumped hydro</li> <li>• Geothermal</li> <li>• Open cycle gas turbine</li> <li>• Combined cycle gas turbine</li> <li>• Co-generation</li> <li>• Rankine</li> <li>• Fuel cell</li> <li>• Chemical battery energy storage</li> <li>• Reciprocating engine</li> <li>• Other (please specify)</li> </ul>	This information enables better assessment of security of supply, capacity factor, and likely offer structure.
FuelType	String	<p>For thermal generation projects only.</p> <p>Selected from the options in bold below:</p> <ul style="list-style-type: none"> <li>• <b>Gas</b> – ie, natural gas</li> <li>• <b>Coal</b></li> <li>• <b>Diesel</b></li> <li>• <b>Biomass</b></li> <li>• <b>Biogas</b></li> <li>• <b>Hydrogen</b></li> <li>• <b>Other</b> (please specify)</li> </ul> <p>If more than one fuel type applies, list the fuel types separated by a pipe character. eg, Gas Coal</p>	As above.

Column	Data format	Definition	Purpose
LoadType	String	For load projects only. Selected from: <ul style="list-style-type: none"> <li>• Transport</li> <li>• Process heat</li> <li>• Data centre</li> <li>• Subdivision</li> <li>• Other load</li> </ul>	This information matches the load categories for the Network Connections Project Stage 1 amendment, except for the additional 'subdivision' category, which is to be used where a connection application covers multiple points of connection.
AsynchronousOrSynchronous	String	For generation and storage projects only. Selected from: <ul style="list-style-type: none"> <li>• Synchronous</li> <li>• Inverter-based</li> <li>• Other asynchronous</li> </ul> Whether the generating station is synchronous, an inverter-based resource, or another type of asynchronous generator, eg, an induction machine directly connected to the AC system without power electronics. Classify Doubly fed induction generator (DFIG) as "Inverter-based".	This information will help the Authority assess the need for further policy work on frequency management, voltage and harmonics. <sup>13</sup>
GridFollowingOrForming	String	For inverter-based generation and storage projects only. Selected from: <ul style="list-style-type: none"> <li>• Grid-following</li> <li>• Grid-forming</li> </ul> Whether the inverter is grid-following or grid-forming. A grid-following inverter synchronises with the existing grid voltage and frequency and relies on the grid to set the reference and injects power accordingly. A grid-forming inverter can establish and maintain voltage and frequency on its own and doesn't rely on an external reference.	As above
StorageCapacityMegawattHours	Decimal(12,3)	For energy storage projects only, eg. chemical battery, pumped hydro. The energy storage capacity in MWh, to a maximum of three decimal places. eg, 120.5	This will help the Authority assess capacity adequacy to manage peak demand.

<sup>13</sup>, [Review of the Common Quality Requirements in the Code consultation papers, June 2024](#)  
Improving visibility of significant distributed generation and load projects

### Project stage (generation and storage only)

This information is only required for generation and storage projects and does not include load projects.

Where a connection application covers multiple points of connection, such as for new subdivision developments with rooftop solar PV covenants, milestones should reflect the progress of the overall project.

Information in this section will be aggregated to form the Authority’s published project status (committed, actively pursued or other)—with some exceptions.

Category	Data format	Definition	Purpose
AnyMilestonesReached	Char(1)	Have any of the following milestones been reached yet? Selected from the options in bold below: <ul style="list-style-type: none"> <li>• <b>Y</b> – one or more reached</li> <li>• <b>N</b> – none yet reached</li> </ul>	Where all the milestone dates have been left blank, this will confirm that this was intentional.
LandNegotiationCommencedDate	Date	If the project proponent has commenced negotiations to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As per the definition for ‘committed projects’ in the Code: “The proponent has acquired or executed an agreement to acquire land (or commenced legal proceedings to acquire land), or has executed an agreement for the leasing of land, for the purposes of construction.” This information will inform the ‘project stage’ information for publication. This information will not be published individually, unless already public through other sources.
LandLegalProceedingsCommencedDate	Date	If the project proponent has commenced legal proceedings to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
LandCompletedLegalProceedings	Date	If the project proponent has completed legal proceedings to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above

Category	Data format	Definition	Purpose
Contracts	Date	As per the definition for 'committed projects' in the Code: "contracts for supply and construction of the major components of the plant and equipment (including any generating units, turbines, boilers, transmission towers, conductors, termination station equipment) have been executed (i.e. all the necessary formal legal requirements have been observed to make the contract valid and complete)" If this applies, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
PlanningProcess	String	Select consenting process from the options in bold below: <ul style="list-style-type: none"> <li>▪ <b>COVID</b> - COVID-19 Recovery (Fast-track Consenting) Act 2020</li> <li>▪ <b>FTAA</b> - Fast-track Approvals Act 2024</li> <li>▪ <b>IFTCA</b>- Resource Management (Natural and Built Environment and Spatial Planning Repeal and Interim Fast-track Consenting) Act 2023</li> <li>▪ <b>RMA</b> - Resource management Act 1991</li> <li>▪ <b>OTHER</b> (please specify)</li> </ul>	As per the definition for 'committed projects' in the Code: "the proponent has obtained all required planning consents, construction approvals, and licences, and fulfilled any other regulatory requirement that must be met before commencing construction" This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
ApplicationSubmitted	Date	Provide the date at which the project proponent first submitted an application for a consent, in YYYY-MM-DD format. eg, 2024-12-31 If this does not apply, leave blank.	As above
ConsentGranted	Date	If the consent has been granted, provide the date it was granted, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
ConsentDeclined	Date	If the consent has been declined, provide the date it was declined, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above

Category	Data format	Definition	Purpose
Appealed	Date	If the consent is subject to an appeal, provide the date the consent was appealed, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
AppealDecidedConsentApproved	Date	If the consent was subject to an appeal, the appeal has been decided, and the consent has been approved, provide the date it was approved, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
AppealDecidedConsentDeclined	Date	If the consent was subject to an appeal, the appeal has been decided, and the consent has been declined, provide the date it was declined, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
ConsentExpiryDate	Date	If the consent has been granted (and is not subject to any appeals), provide the expiry date of the consent, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
Finance	Date	As per the definition for 'committed projects' in the Code: "contracts for the financing of the project, including any debt plans, have been executed (i.e. all the necessary formal legal requirements have been observed to make the contract valid and complete)" If this applies, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
FinalInvestmentDecision	Date	If this milestone has been reached, provide the relevant date, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	Final investment decision may be separate to the finance indicator where contracts include preconditions relating to final investment decision. Collecting information about final investment decision improves the Authority's monitoring about the stage of projects.

Category	Data format	Definition	Purpose
ConstructionCommencementDateSet	Date	<p>If a firm commencement date for construction has been set, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31</p> <p>Otherwise leave blank.</p> <p>Note that this is not the date that construction will commence, it is the date that the construction commencement date was set.</p>	<p>As per the definition for 'committed projects' in the Code: "construction has commenced or a firm commencement date for construction has been set".</p> <p>This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.</p>
EstimatedConstructionCommencementDate	Date	<p>Provide an estimate of when construction will commence, in YYYY-MM-DD format.</p> <p>Be conservative, eg, if the expected month is not known (for example, for projects that are less advanced), use 31 December. eg, 2024-12-31</p>	As above
ActualConstructionCommencementDate	Date	<p>The actual date that construction commenced, in YYYY-MM-DD format.</p> <p>If construction has not yet commenced. leave blank. eg, 2026-12-31</p>	If the estimated construction commencement date has passed this will indicate whether construction has actually started.
DateCommissioned	Date	<p>Provide the date the load, generation or storage project was commissioned and became fully operational, in YYYY-MM-DD format. eg, 2024-12-31</p> <p>If this does not yet apply, leave blank.</p>	This information will inform the 'project stage' information for publication.

More detail on data formats is available at [Data types for clause 2.16 notices](#)

## Appendix C Redline final notice

This appendix shows changes that have been made to the clause 2.16 information 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 is in blue underlined and ~~blue-strikethrough~~

## Investment pipeline notice—Distributors

This investment pipeline notice is published under clause 2.16 of the Electricity Industry Participation Code 2010 (Code). This notice applies from 1 ~~February~~December 2026.

### 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 (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 distributors as defined in section 5 of the Act, but with the same exclusions as stated in clauses 6.2A and 6.2B of the Code.

### When the information needs to be provided

Information is to be provided to the Authority monthly and should reflect the state of the investment pipeline as at the last day of each month. The deadline for provision is the fifth business day of the following month. Thus, the first set of information is due on 7 December 2026.

The Authority may extend the deadline but only in exceptional circumstances. If you wish to apply for an extension of time under this notice, please email [monitoring@ea.govt.nz](mailto:monitoring@ea.govt.nz) no later than 5pm on the last business day of the month stating your reasons for seeking the extension.

### How distributors must provide the information to the Authority

Distributors must upload the required information as a CSV file using the Authority's secure file transfer facility. CSV files are to be created by utilising the UTF-8 character encoding standard. An option to save as a UTF-8 CSV file is available in Excel.

The Authority will provision an SFTP account if the distributor doesn't already have one. The details required for the Authority to provision an SFTP account and instructions on how to configure and use the SFTP facility will be supplied upon request by emailing [data.products@ea.govt.nz](mailto:data.products@ea.govt.nz).

We encourage distributors who need to set up a new SFTP account with the Authority to make their request well in advance of the deadline to provide data, as it may take some distributors several days working through their IT teams.

### File-naming convention

Files are to be named according to the following format:

DistributorInvestmentPipeline-yyyymmdd-YYYYMMDD-HHMM.csv where:

- (a) yyyymmdd is the last day of the month to which the data relates, eg, 2025083120261130 if the data refers to the pipeline state as at the end of August 2025 November 2026, and

- (b) YYYYMMDD-HHMM is the date and time the file is submitted, eg, 2025090720261207-1440 if the file is submitted at 2:40pm on 7 ~~September~~December.

The submission datetime need not be particularly accurate. The key is, if you need to submit subsequent files to correct any errors, that each file has a unique name with timestamps preferably in chronological order.

There is no need to specify company name in the filename as such information is automatically captured by the unique SFTP account assigned to each participant.

### **Information that must be collected and provided**

Information is required for the following connection applications:

- (a) Distributed generation (DG) applications with net export  $\geq$  300kW
- (b) Load applications  $\geq$  500kVA.

Where a connection application covers multiple points of connection, such as for a new subdivision development, the load and generation thresholds apply to the aggregate capacity, as under clause 6.2AC of the Code. Progress through the Part 6 application process and project milestones for DG should reflect the progress of the overall project.

The information that distributors are required to collect and provide to the Authority under this notice for these applications is specified in the tables below.

For milestones relating to planning or land acquisition, only the status at the date of issuance of this notice and milestones reached thereafter are required to be provided. For example:

- (a) if a consent is awaiting the result of an appeal (when this notice is issued), the date of the initial consent application is not required
- (b) if legal proceedings for acquiring land have been completed, the date legal proceedings commenced is not required.

Projects that have more than one type of generation as part of a single project (for example, solar projects with associated battery energy storage systems) should be split into separate projects and given the same project name but different sub-project names. This will better enable the provision of information about the generating characteristics of each technology type.

Projects that include both generation and load components in a single connection application only need to be split into separate projects if the generation and load components are expected to progress at different rates.

The Authority does not expect that projects at an early stage in the application process will be able to provide confirmed information for each category. The Authority expects distributors to ~~ask encourage applicants/developers~~ to provide best estimates of all the information required by the notice for all projects, and for distributors to pass on all available information to the Authority—particularly in the “Project details” section.

### **The Authority’s approach to assessing and publishing information**

The Authority has decided to group distribution-level projects with transmission-level projects and continue the current practice for both datasets, which is to only publish total MW in the generation pipeline at a regional level, while all other characteristics such as project status, fuel type, developer type, load type, load MW are only shown at a national level. The Authority does not consider this information to be confidential.

In addition, the Authority has decided it may in the future publish any of the quantities proposed in paragraph 5.27 of the decision paper, aggregated at a national level by any of the categories proposed in paragraph 5.26 of the decision paper (except for region). The Authority will endeavour to notify distributors and applicants before doing so, if it considers it necessary.

If publishing information at a more granular level than this is deemed desirable, the Authority will engage with relevant parties, before a decision is made on that publication, to assess the extent and risk to which individual projects could be identified.

The Authority will treat as confidential by default any information that could identify a project (unless that information is already in the public domain).

However, if the Authority wants to publish more granular information, it will require ~~d~~Distributors ~~must ask developers~~ to identify and/or ask applicants to identify any information that the distributor and/or applicant ~~developer~~ considers to be confidential, in accordance with clause 2.21 of the Code, and to explain why the information is confidential.

The Authority will handle this information in accordance with clause 2.22 of the Code. ~~The Authority expects that distributors will also provide developers the opportunity to provide a reason why the information is confidential for each information category developers identify as confidential. This will assist with the Authority's assessment of confidentiality under clause 2.22.~~

~~The Authority will decide what it is going to publish as part of the consultation on this proposed clause 2.16 notice.~~

More information is available at [Information Management policy](#)

Information will be published in aggregated form including by geographical region, developer type (gentailer or independent), generation category (firming or intermittent), generation technology, project status (committed, actively pursued or other), expected commissioning year, and load type.

## Developer and location information

~~Information in this section will be published in aggregated form by geographical region, developer type (gentailer or independent) and expected commissioning year~~

Column	Data type	Definition and Example	Purpose
ApplicationID	String	<p>Identifier (intended to be a consistent value to help the Authority to avoid duplicating projects).</p> <p>This must be a unique key for each project and remain until it is commissioned or cancelled, after which the ApplicationID cannot be reused. Each project must be on a separate line of the file with its own ApplicationID.</p> <p>For projects with multiple stages progressing at different rates, each stage should use the same root ID with the stage indicated by a different letter at the end (or similar mechanism).</p> <p><u>Projects with both generation and load components progressing at different rates should also be treated like this.</u></p> <p>Projects with more than one type of generation (eg, solar and battery), should <u>also</u> be treated similarly. Each generation type should be on a separate line with the same root ID but a different suffix.</p> <p><u>eg, G12345A, G12345B</u></p> <p><u>Where projects have been split into two or more sub-projects as described above, (though they should have the same ProjectName but a different SubProjectName to indicate that they are distinct parts of the same overall project).</u></p> <p><u>eg, G12345A, G12345B</u></p>	<p>Generation developments may change owner, developer, location, and size. As such, the Authority considers maintaining a consistent identifier to track when projects change and avoid publishing duplicated information is necessary.</p> <p><u>It is necessary to split into sub-projects as described in order to track progress or to differentiate between components with different technical characteristics.</u></p>

Column	Data type	Definition and Example	Purpose
Proponent	String	The entity developing the project. If a joint venture, any entities participating in the joint venture should be listed. eg, Energy Company Limited. For multiple parties, include all names separated by a pipe character. eg, First Company Limited   Second Company Limited	Including information about the connecting party—and in particular about any additional parties involved—is necessary to match public information about projects to information provided under the notice. It also improves monitoring by providing information to assess the breakdown of developers investing in generation in New Zealand.
Operator	String	For generation and storage projects <u>that are required to offer into the wholesale spot market</u> only. If the planned operator of the plant is different to the connecting party / proponent, then provide the name of the operator (ie, the entity that will be submitting offers for the generating station) eg, Operating Company Limited <u>If this does not apply or is unknown, leave blank.</u>	This is helpful for the purposes of matching offers to the generation fleet. The operator of a plant may impact offers.
ApplicationDate	Date	The date the initial application is received by the distributor, in YYYY-MM-DD format. eg, 2024-12-31	Information on the time since the initial application will help the Authority monitor how long developments take to progress through the connection process, as well as monitoring trends in which projects are delivered.
ExpectedCommissioningDate	Date	The approximate date on which the <del>applicant</del> developer expects to commission the project, in YYYY-MM-DD format. If the expected commissioning month is not known (for example, for projects several years away from commissioning), use 31st December of the expected year of commissioning. eg, 2024-12-31	Collecting information on when the <del>applicant</del> developer expects to commission the project enables the Authority to assess the supply/demand balance, and to assess changes to project timelines over time.

Column	Data type	Definition and Example	Purpose
ReasonForDelay	Char(8)	<p>For generation and storage projects only.</p> <p>If the expected commissioning date is later than previously provided, provide the main reason for the delay in commissioning.</p> <p>Selected from the options in bold below:</p> <ul style="list-style-type: none"> <li>• <b>CONSENT</b> - Consenting</li> <li>• <b>FINANCE</b> - Finance</li> <li>• <b>CONSTRUCT</b> - Construction</li> <li>• <b>PRIORITY</b> - Prioritising other project(s)</li> <li>• <b>OIA</b> - Overseas Investment Act</li> <li>• <b>CONTRACT</b> - <u>negotiation</u></li> <li>• <b>TECHNICAL</b> - <u>technical design or studies</u></li> <li>• <b>LAND</b> - <u>land acquisition and negotiation</u></li> <li>• <b>PROCUREMENT</b> - <u>delivery of equipment</u></li> <li>• <b>OTHER</b> - Other</li> <li>• <b>N/A</b></li> </ul> <p>Not case sensitive.</p> <p><u>If more than one reason applies, list the reasons separated by a pipe character.</u> eg. <u>Consent Finance</u></p>	Collecting information on the reason for delays informs the Authority about bottlenecks and barriers in the connection/development process.
Cancelled	Char(1)	<p>If a decision has been made to <u>not</u> proceed with the project.</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>	Necessary to keep the pipeline up to date.
ProjectName	String	<p>The intended generating station/plant name. If no formal name has been selected, a name can be a working name or linked to the location of the proposed generating station eg, Wellington Solar Farm</p>	Name information will help the Authority assess projects against any public or news information where necessary.

Column	Data type	Definition and Example	Purpose
<u>SubProjectName</u>	String	<p><u>Where projects that have either multiple stages, or load and generation components progressing at different rates, or multiple generation types have been split into sub-projects as described under ApplicationID, enter a different sub-project name for each component.</u></p> <p><u>eg. BESS,</u> <u>Solar,</u> <u>Load,</u> <u>Generation,</u> <u>Stage1</u></p> <p><u>Otherwise, leave blank</u></p>	<u>This will assist in distinguishing between distinct parts of the same overall project.</u>
ConnectionLocation	Char(7)	<p>The GIP/GXP that the connection is embedded behind, if known.</p> <p>Provide the GIP/GXP code - three letters followed by four <u>numbers</u> <u>digits</u>.</p> <p>eg, KOE1101</p>	Providing information on the location of projects supports better assessments of the supply/demand balance and availability of spare network capacity in different locations.
ZoneSubstation	String	<p>Name of zone substation where (or behind which) the generation/load will be connected, if known.</p> <p>eg, Hobson</p>	As above
LocationName	String	<p>Provide a name of the location of the project. This could be the name of the nearest town, the region or the local authority</p> <p>eg, Wellington</p>	As above
LocationLatitude	Decimal(9,5)	<p>Latitude by global positioning system coordinates (degrees to 5 decimal places - a negative number), if project site is known or anticipated.</p> <p>eg, -35.21870</p>	As above. Also enables the Authority to publish visual information about projects to provide better information on the regional breakdown of developments.
LocationLongitude	Decimal(9,5)	<p>Longitude by global positioning system coordinates (degrees to 5 decimal places), if project site is known or anticipated</p> <p>eg, 173.75750</p>	As above

Column	Data type	Definition and Example	Purpose
Part6ApplicationStage	String	<p>Selected from:</p> <ul style="list-style-type: none"> <li>InitialApplicationReceived</li> <li>InitialApplicationApproved</li> <li>InitialApplicationRejected</li> <li>InterimApplicationReceived</li> <li>InterimApplicationApproved</li> <li>InterimApplicationRejected</li> <li>FinalApplicationReceived</li> <li>FinalApplicationApproved</li> <li>FinalApplicationRejected</li> <li>FinalApplicationLapsed</li> <li>ConnectionContractNegotiated</li> <li>ConnectionRegulated</li> <li>ConnectionCommissioned</li> </ul> <p>Notes - ConnectionCommissioned means the distributor has completed and commissioned their assets. The <u>applicantdeveloper</u> may not necessarily have completed and commissioned their plant.</p> <p><u>Where a connection application covers multiple points of connection, such as for new subdivision developments, this should reflect the status of the application as a whole.</u></p>	Collecting information about where projects are in a distributor's application process will assist in determining the progression of a project. It will also help to assess how much information the Authority expects the <u>applicantdeveloper</u> to provide. For example, projects at an early stage are unlikely to have any information available about consents, land, or financing.
ShareWithSO	Char(1)	<p>Does the <u>applicantdeveloper</u> give consent for the information about this project to be shared with the system operator?</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>Y</li> <li>N</li> </ul>	Visibility of the generation pipeline will assist the system operator in managing system security.

## Project details

Column	Data format	Definition	Purpose
MaximumExportCapacityMegawatts	Decimal(8,3)	For generation and storage projects only. The <del>maximum export capacity limit applied to the connection if any (not of local load)</del> (in megawatts <u>MW or MVA</u> ), to a maximum of three decimal places. eg, 100. <del>000</del> , 0.650 <u>If no export limit applied, leave blank.</u>	Maximum export capacity is important for understanding the impact on the local distribution network.
GenerationActualCapacityMegawatts	Decimal(8,3)	For generation and storage projects only. The planned capacity of the generating station provided in MW, <u>to a maximum of three decimal places.</u> For <u>solar</u> generating stations <del>such as solar and wind farms where MWac may be different to MWp</del> , provide the MWac figure, <u>ie, the total inverter capacity.</u> For battery energy storage systems, provide the maximum discharge rate. For pumped hydro, provide the maximum generation capacity. For projects that are upgrades of existing generating stations, this should be the net increase in overall capacity in MW. eg, 100. <del>000</del> , 0.650	Capacity information for projects is necessary to assess capacity adequacy. This will also help the Authority assess how developments may change during the planning process.
GenerationPeakCapacityMegawatts	Decimal(8,3)	For <u>solar</u> generation <del>and storage</del> projects only. <del>For generating stations such as solar and wind farms where MWac may be different to MWp, provide the MWp figure, ie, the total nameplate DC capacity of the PV modules under standard test conditions.</del> <del>For other technologies, leave blank.</del> <del>For battery energy storage systems, provide the maximum discharge rate. For pumped hydro, provide the maximum generation capacity.</del> <u>For projects that are upgrades of existing generating stations, this should be the net increase in capacity.</u> eg, 100. <del>000</del> , 0.650	Collecting differentiated information about MWp and MWac will better enable the Authority to assess the capacity factor and projected annual GWh, <del>particularly for wind and</del> solar projects.

Column	Data format	Definition	Purpose
ExpectedPeakDemandMegawatts	Decimal(8,3)	<p>For load and storage projects only, <u>including new subdivisions where total design capacity exceeds the threshold.</u></p> <p>The expected peak demand of the load, provided in MW, <u>to a maximum of three decimal places</u> <del>for projects related to new or existing direct connect consumers. For the avoidance of doubt this excludes distributors' load growth at GXPs.</del></p> <p>If MW value not available use the MVA value instead.</p> <p>For battery energy storage systems, provide the maximum charge rate. For pumped hydro, provide the maximum pumping load.</p> <p>eg, 100.<del>000</del> 0.650</p>	Capacity information for projects is necessary to assess capacity adequacy. This will also help the Authority assess how developments may change during the planning process.
CapacityFactor	Decimal(4,2)	<p>For generation projects only.</p> <p>A best estimate of the expected capacity factor, <u>to two decimal places.</u></p> <p>For projects that are upgrades of existing generating stations, this should be the increase in energy output relative to the increase in capacity.</p> <p>Provide a number between 0 and 1.</p> <p>eg, 0.95</p>	Important for assessing the annual energy contribution of the plant. The Authority may be able to assess capacity factors using generalised capacity factors for different fuel types. For some fuel types, information provided by <del>applicants</del> <u>developers</u> will provide a better assessment of capacity factor. This is particularly the case for wind developments, where projects are based on site monitoring for expected wind resource.
ConnectionVoltageKilovolt	Decimal(7,3)	<p>The connection voltage to the distribution network (in kV), <u>to a maximum of three decimal places.</u></p> <p>eg, 11<del>0.000</del>, 33.<del>000</del>, 0.400, <del>0.230</del></p>	This information improves the Authority's monitoring and helps with assessments of capacity on local networks.

Column	Data format	Definition	Purpose
GenerationTechnology	String	<p>For generation and storage projects only.</p> <p>Selected from:</p> <ul style="list-style-type: none"> <li>• Onshore wind</li> <li>• Offshore wind</li> <li>• Photovoltaic panels</li> <li>• Hydro</li> <li>• Pumped hydro</li> <li>• Geothermal</li> <li>• Open cycle gas turbine</li> <li>• Combined cycle gas turbine</li> <li>• Co-generation</li> <li>• Rankine</li> <li>• Fuel cell</li> <li>• Chemical battery energy storage</li> <li>• Reciprocating engine</li> <li>• Other (please specify)</li> </ul>	This information enables better assessment of security of supply, capacity factor, and likely offer structure.
FuelType	String	<p>For thermal generation projects only.</p> <p>Selected from the options in bold below:</p> <ul style="list-style-type: none"> <li>• <b>Gas</b> – ie, natural gas</li> <li>• <b>Coal</b></li> <li>• <b>Diesel</b></li> <li>• <b>Biomass</b></li> <li>• <b>Biogas</b></li> <li>• <b>Hydrogen</b></li> <li>• <b>Other</b> (please specify)</li> </ul> <p>If more than one fuel type applies, list the fuel types separated by a pipe character. eg, Gas Coal</p>	As above.

Column	Data format	Definition	Purpose
LoadType	String	For load projects only. Selected from: <ul style="list-style-type: none"> <li>• Transport</li> <li>• Process heat</li> <li>• Data centre</li> <li>• <u>Subdivision</u></li> <li>• Other load</li> </ul>	This information matches the load categories for the Network Connections Project Stage 1 amendment, except for the additional 'subdivision' category, <u>which is to be used where a connection application covers multiple points of connection.</u>
AsynchronousOrSynchronous	String	For generation and storage projects only. Selected from: <ul style="list-style-type: none"> <li>• Synchronous</li> <li>• Inverter-based</li> <li>• Other asynchronous</li> </ul> Whether the generating station is synchronous, an inverter-based resource, or another type of asynchronous generator, eg, an induction machine directly connected to the AC system without power electronics. Classify Doubly fed induction generator (DFIG) as "Inverter-based".	This information will help the Authority assess the need for further policy work on frequency management, voltage and harmonics. <sup>14</sup>
GridFollowingOrForming	String	For inverter-based generation and storage projects only. Selected from: <ul style="list-style-type: none"> <li>• Grid-following</li> <li>• Grid-forming</li> </ul> Whether the inverter is grid-following or grid-forming. A grid-following inverter synchronises with the existing grid voltage and frequency and relies on the grid to set the reference and injects power accordingly. A grid-forming inverter can establish and maintain voltage and frequency on its own and doesn't rely on an external reference.	As above
StorageCapacityMegawattHours	Decimal(12,3)	For energy storage projects only, eg. chemical battery, pumped hydro. The energy storage capacity in MWh, <u>to a maximum of three decimal places.</u> eg, 120.5 <del>00</del>	This will help the Authority assess capacity adequacy to manage peak demand.

<sup>14</sup>, [Review of the Common Quality Requirements in the Code consultation papers, June 2024](#)  
Improving visibility of significant distributed generation and load projects

## Project stage (generation and storage only)

This information is only required for generation and storage projects and does not include load projects.

Where a connection application covers multiple points of connection, such as for new subdivision developments with rooftop solar PV covenants, milestones should reflect the progress of the overall project.

Information in this section will be aggregated to form the Authority’s published project status (committed, actively pursued or other) stages—with some exceptions. ~~Consenting details, construction commencement, and final investment decision may be published unless indicated as confidential, in which case we will assess the need to publish under clause 2.22 of the Code.~~

Category	Data format	Definition	Purpose
<u>AnyMilestonesReached</u>	<u>Char(1)</u>	<p><u>Have any of the following milestones been reached yet?</u></p> <p><u>Selected from the options in bold below:</u></p> <ul style="list-style-type: none"> <li><b>Y – one or more reached</b></li> <li><b>N – none yet reached</b></li> </ul>	<u>Where all the milestone dates have been left blank, this will confirm that this was intentional.</u>
LandNegotiationCommencedDate	Date	<p>If the project proponent has commenced negotiations to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.</p>	<p>As per the definition for ‘committed projects’ in the Code: “The proponent has acquired or executed an agreement to acquire land (or commenced legal proceedings to acquire land), or has executed an agreement for the leasing of land, for the purposes of construction.” This information will inform the ‘project stage’ information for publication. This information will not be published individually, unless already public through other sources.</p>
LandLegalProceedingsCommencedDate	Date	<p>If the project proponent has commenced legal proceedings to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.</p>	As above
LandCompletedLegalProceedings	Date	<p>If the project proponent has completed legal proceedings to acquire or lease land for the purposes of construction, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.</p>	As above

Category	Data format	Definition	Purpose
Contracts	Date	As per the definition for 'committed projects' in the Code: "contracts for supply and construction of the major components of the plant and equipment (including any generating units, turbines, boilers, transmission towers, conductors, termination station equipment) have been executed (i.e. all the necessary formal legal requirements have been observed to make the contract valid and complete)" If this applies, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
PlanningProcess	String	Select consenting process from the options in bold below: <ul style="list-style-type: none"> <li>▪ <b>COVID</b> - COVID-19 Recovery (Fast-track Consenting) Act 2020</li> <li>▪ <del>FTAA</del><b>Fast-track Approvals</b> -- <del>Fast-track Approvals Act 2024</del></li> <li>▪ <del>IETCA</del><b>Interim NBA Fast-track</b> -- Resource Management (Natural and Built Environment and Spatial Planning Repeal and Interim Fast-track Consenting) Act 2023</li> <li>▪ <b>RMA</b> - Resource management Act 1991</li> <li>▪ <b>OTHER</b> (please specify)</li> </ul>	As per the definition for 'committed projects' in the Code: "the proponent has obtained all required planning consents, construction approvals, and licences, and fulfilled any other regulatory requirement that must be met before commencing construction" This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
ApplicationSubmitted	Date	Provide the date at which the project proponent first submitted an application for a consent, in YYYY-MM-DD format. eg, 2024-12-31 If this does not apply, leave blank.	As above
ConsentGranted	Date	If the consent has been granted, provide the date it was granted, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above

Category	Data format	Definition	Purpose
ConsentDeclined	Date	If the consent has been declined, provide the date it was declined, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
Appealed	Date	If the consent is subject to an appeal, provide the date the consent was appealed, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
AppealDecidedConsentApproved	Date	If the consent was subject to an appeal, the appeal has been decided, and the consent has been approved, provide the date it was approved, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
AppealDecidedConsentDeclined	Date	If the consent was subject to an appeal, the appeal has been decided, and the consent has been declined, provide the date it was declined, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
ConsentExpiryDate	Date	If the consent has been granted (and is not subject to any appeals), provide the expiry date of the consent, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	As above
Finance	Date	As per the definition for 'committed projects' in the Code: "contracts for the financing of the project, including any debt plans, have been executed (i.e. all the necessary formal legal requirements have been observed to make the contract valid and complete)" If this applies, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31 Otherwise leave blank.	This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.

Category	Data format	Definition	Purpose
FinalInvestmentDecision	Date	If this milestone has been reached, provide the relevant date, in YYYY-MM-DD format. eg, 2024-12-31. Otherwise leave blank.	Final investment decision may be separate to the finance indicator where contracts include preconditions relating to final investment decision. Collecting information about final investment decision improves the Authority's monitoring about the stage of projects.
ConstructionCommencementDateSet	Date	If a firm commencement date for construction has been set, provide the date that the project met the criteria, in YYYY-MM-DD format. eg, 2024-12-31. Otherwise leave blank. Note that this is not the date that construction will commence, it is the date that the construction commencement date was set.	As per the definition for 'committed projects' in the Code: "construction has commenced or a firm commencement date for construction has been set". This information will inform the 'project stage' information for publication. Our intent at this stage is that this information would not be published individually, unless already public through other sources. Developers would be requested to indicate when submitting information whether it is already in the public domain.
EstimatedConstructionCommencementDate	Date	Provide an estimate of when construction will commence, in YYYY-MM-DD format. <del>If construction has already commenced, provide the date of commencement.</del> Be conservative, eg, if the expected month is not known (for example, for projects that are less advanced), use 31 December. eg, 2024-12-31.	As above
<u>ActualConstructionCommencementDate</u>	<u>Date</u>	<u>The actual date that construction commenced, in YYYY-MM-DD format.</u> <u>If construction has not yet commenced. leave blank. eg, 2026-12-31</u>	<u>If the estimated construction commencement date has passed this will indicate whether construction has actually started.</u>
DateCommissioned	Date	Provide the date the <u>load, generation or storage</u> project was commissioned and became fully operational, in YYYY-MM-DD format. eg, 2024-12-31. If this does not yet apply, leave blank.	<u>This information will inform the 'project stage' information for publication. As above</u>

More detail on data formats is available at [Data types for clause 2.16 notices](#)

## Glossary of abbreviations and terms

Act	Electricity Industry Act (2010)
Authority	Electricity Authority Te Mana Hiko
Code	Electricity Industry Participation Code 2010
DG	Distributed generation
EEA	Electricity Engineers' Association
ENA	Electricity Networks Aotearoa
Information notice	Clause 2.16 information notice
MBIE	Ministry of Business Innovation and Employment
MEUG	Major Electricity Users' Group
PV	Solar photovoltaic panels
SFTP	Secure file transfer protocol