

**Before the Proposed Central Hawke's Bay District Plan Hearings
Panel**

Under the Resource Management Act 1991 (the Act)

In the matter of the Proposed Central Hawke's Bay District Plan –
Hearing Stream 3:

Rural Environment:

**Rural Land Resource, General Rural Zone, Rural
Production Zone, Rural Lifestyle Zone, and
Subdivision - Rural.**

Between **Central Hawke's Bay District Council**
Local authority

And **Transpower New Zealand Limited**
Submitter 79 and Further Submitter FS18

Response to Panel Minute 9 Direction following Hearing Stream 3

Pauline Mary Whitney for Transpower New Zealand Limited

Dated 14 July 2022

1 Panel Request

- 1.1. In the Hearing Panel issued Minute 9 Direction, the Hearings Panel requested Transpower provide “A table summarising what other District Plans require across the country with respect to setbacks from poles and the Grid Yard”.

2 Response

- 1.2. As outlined in evidence, the National Grid includes approximately 12,000 km of transmission lines and approximately 170 substations, supported by a telecommunications network of some 300 telecommunication sites, which help link together the components that make up the National Grid. With respect to transmission lines, these are comprised of 66kV, 110kV, 220kV, 350kV and 400kV transmission lines across New Zealand, on a variety of support structures comprising single poles, pi-poles and towers. Within the Central Hawke’s Bay, Transpower owns and operates three key assets associated with the National Grid, being the Waipawa Substation on Onga Onga Road, and the 110 kV Fernhill – Woodville A and B lines. The lines are generally on single poles, with towers used for river crossings. The assets are primarily located within the Rural Production Zone (RPROZ), with the assets north of the Mangaonuku Stream located in the General Rural Zone (GRUZ).
- 1.3. The following table responds to the Panel direction and outlines the relevant provisions relating to the required setback from National Grid support structure (towers or poles) within a number of District Plans across New Zealand.
- 1.4. Given the Direction does not specify the number of plans to be reviewed, rather than reviewing the 64 District Plans across the entire country, the following outlines those plans that have become operative or proposed in the past five years¹ (that is, since 2017). Such plans in my opinion are comparable to Central Hawke’s Bay and reflect the approach sought by Transpower over the past five years. While a number of the plans reviewed have large urban areas, they also have rural areas and I have identified the relevant rural zone rule in the table below. As noted in my speaking notes when I appeared before the panel, there are three similar districts (Waikato, Horowhenua and Waimate) in New Zealand which feature 110kv lines on poles (being the same as the National Grid assets in Central Hawke’s Bay). All three District Plans (which are

¹ As discussed below, also included are the operative Horowhenua District Plan 2015 and Waimate District Plan 2014 as these districts feature 110kv lines on single poles.

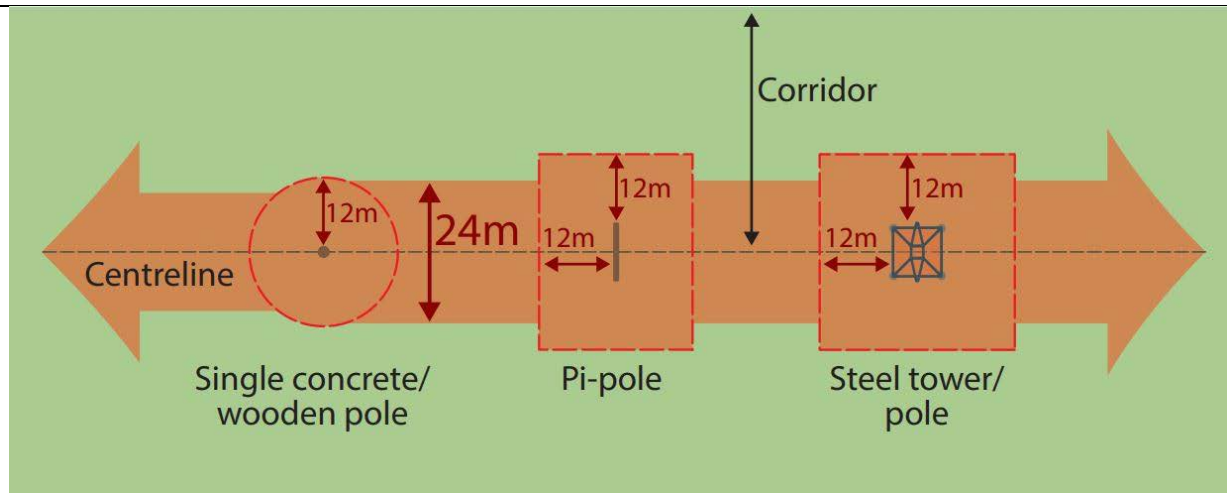
detailed in the table below) provide a default 12m setback from the support structure, the same as that sought for Central Hawke's Bay.

- 1.5. The table outlines the relevant District Plan and status, definition of National Grid Yard (which outlines the setback from support structures) and relevant rule relating to setbacks from support structures. It is noted that some definitions include a 10m setback from the centreline for 110kv lines on poles, but this is not that same as the required 12m setback from support structures. For ease of reference, specifically relevant provisions relating to setbacks from support structures are highlighted **yellow**. It is noted that in addition to the setback from poles, the Panel direction also references setbacks from the Grid Yard. It is assumed this relates to the support structures (specifically poles) as the yard setback was not identified as a concern within the hearing evidence of Federated Farmers (rather the evidence opposes the deletion of the 8m setback from poles). However, for the sake of completeness and in response to the Panel direction, the Grid Yard setbacks from the centreline, as identified in the National Grid Yard definitions, are identified as **grey** highlighted text in the table below. It is noted some districts do not have pole support structures.
- 1.6. The assessment finds that all the District Plans (either operative or proposed) in the last five years adopt a common approach in that all the rules provide that buildings and structures must be set back 12m from support structures (whether they are poles or towers). It is noted that the 12m setback is the assessed standard and there are exceptions for certain activities within 8m-12m of the support structure (including horticultural structures and artificial crop protection support structures, fences or where Transpower has given written approval). This reflects the approach within the Proposed Central Hawke's Bay District Plan.
- 1.7. It is noted the panel direction does not direct the submitter Federated Farmers provide any similar assessment to demonstrate the approach within Central Hawke's Bay is inconsistent with other District Plans.
- 1.8. Transpower is happy to clarify any aspect in the attached or provide any further specific analysis including review of any other District Plan the panel consider relevant and comparable.

Pauline Whitney

14 July 2022

Plan reference and link	Definition of National Grid Yard (or could be Electricity transmission corridor)	Rule
<p>Central Hawkes Bay Proposed District Notified 2021</p> <p>https://eplan.chbdc.govt.nz/draft/#Rules/0/233/1/8875/0</p>	<p>NATIONAL GRID YARD the area located within 12m in any direction from the outer visible edge of a National Grid support structure foundation or the area located within 10m either side of the centreline of an overhead 110kV National Grid line on single poles or the area located within 12m either side of the centreline of any overhead National Grid line on pi-poles or towers (including tubular steel towers where these replace steel lattice towers).</p> <p>The National Grid Yard does not apply to underground cables or any transmission lines (or sections of line) that are designated by Transpower New Zealand. The measurement of setback distances from National Grid lines shall be taken from the centerline of the transmission line and from the outer edge of any support structure. The centerline at any point is a straight line between the centre points of the two support structures at each end of the span.</p>	<p>RPROZ-S15</p> <p>3. Around National Grid support structures: buildings and structures permitted under clause 2 above must be set back at least 12m from a tower, or 8m from a pole, forming part of a (Comment - recommended to be removed by the reporting officer and supported by Transpower) National Grid support structure, except where the building or structure is:</p> <ul style="list-style-type: none"> a. a fence less than 2.5m in height and more than 5m from the nearest National Grid support structure foundation; or b. an artificial crop protection structure or crop protection structure between 8m and 12m from a pole support structure and any associated stay wire, that: <ul style="list-style-type: none"> i. meets the requirements of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances for separation distances from the conductor; ii. is no more than 2.5m high; iii. is removable or temporary, to allow a clear working space 12 metres from the pole when necessary for maintenance and emergency repair purposes; and iv. allows all-weather access to the pole and a sufficient area for maintenance equipment, including a crane; or c. a horticultural structure for which Transpower has given written approval in accordance with clause 2.4.1 of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances to be located within 12m of a tower or 8m of a pole support structure



Auckland Unitary Plan
Operative in Part (as at 12 June 2017)

<https://unitaryplan.aucklandcouncil.govt.nz/images/Auckland%20Unitary%20Plan%20Operative/Chapter%20D%20Overlays/6.%20Infrastructure/D26%20National%20Grid%20Corrido>

National Grid Yard Includes:

- The area located 12 metres in any direction from the outer edge of a National Grid support structure; and
- The area located 12 metres either side of the centreline of any overhead National Grid line.

The National Grid Yard is identified on the planning maps as National Grid Yard (Compromised) or National Grid Yard (Uncompromised).

Table D26.4.1 Activity table – within the National Grid Yard (Compromised and Uncompromised)

Buildings and structures in addition to the above in rural zones and the Future Urban Zone

(A14) Horticultural structures between 8m and 12m from a pole (but not a tower) support structure - P
 (A15) An agricultural or horticultural structure located within 12m of a tower or 8m of a pole support structure that complies with clause 2.4.1 of NZECP34:2001 - P
 (A16) Uninhabited farm buildings and structures, surrounding platforms and stockyards associated with milking sheds, animal feed lots and 3-sided calf rearing sheds, and alterations to these buildings and structures - P
 (A17) Uninhabited horticultural buildings and structures and alterations to these buildings and structures – P
 (A18) Principal buildings for intensive farming activities (excluding animal feed lots), milking shed buildings (excluding the surrounding platform and any stockyards), wintering barns, commercial greenhouses and immovable protective canopies - NC

D26.6.1.3. Fences
 (1) Fences must:
 (a) be located at least 5m from a National Grid support structure; and
 (b) be no more than 2.5m in height.

D26.6.1.4. Buildings and structures

<p>r%20Overlay.pdf</p>		<p>(1) Buildings, structures and alterations including uninhabited horticultural buildings and structures (except those subject to Standard D26.6.1.6) and uninhabited farming buildings, structures and surrounding platforms and stockyards must be located at least 12m from a National Grid support structure.</p> <p>D26.6.1.5. Accessory buildings (1) Accessory buildings must: (a) be located at least 12m from a National Grid support structure; (b) be no more than 2.5m in height; and (c) have a floor area of no more than 10m²</p> <p>D26.6.1.6. Horticultural structures between 8m and 12m from a pole support structure (1) Horticultural structures between 8m and 12m from a pole (but not a tower) support structure must: (a) be no more than 2.5m in height; (b) be removable or temporary, to allow a clear working space 12m from the pole where necessary for maintenance purposes; and (c) allow all weather access to the pole and a sufficient area for maintenance equipment, including a crane.</p>
<p>Hamilton City Operative District Plan Operative October 2017 https://hamilton.isoplan.co.nz/eplan/#Rules/0/34/1/0/0</p>	<p>National Grid Yard (shown in red)</p> <ul style="list-style-type: none"> the area located 12 metres in any direction from the outer edge of a National Grid support structure; and the area located 10 metres either side of the centreline of any above ground 110kV National Grid line on single poles (HAM-MER A, ARI-HAM A); or the area located 12 metres either side of the centreline of any above ground National Grid line on towers (HAM-MER B, HAM-WHU A, ARI-HAM B, HAM-KPO A, HAM DEV A). 	<p>25.7.4 Rules – Activity Status – Electricity National Grid Corridor g) Any building within 12m of the outer visible edge of a National Grid support structure – NC</p>
<p>New Plymouth Proposed District Plan Notified 2019</p>	<p>NATIONAL GRID YARD means the area located 12 metres in any direction from the outer edge of a National Grid support structure, and the area located 12 metres either side of the</p>	<p>NU-R33 Buildings and structures within the National Grid Yard (where under-build or development does not exist) Activity status: PER</p> <p>Where, in the zones not listed NU-R32, or on-sites where under-build or development within the National Grid Yard did not exist at [date that the Proposed Plan becomes operative] and where the building or structure maintains safe electrical distances required by NZECP34:2001 in all National Grid line operating conditions, provided that:</p>

<p>https://districtplan.npdc.govt.nz/eplan/#Rules/0/17/1/0/0</p>	<p>centreline of any overhead National Grid line on pi poles or towers.</p> <p>The National Grid Yard does not apply to underground cables or any transmission lines (or sections of line) that are designated.</p> <p><i>(Comment: there are no single poles in the district)</i></p>	<ol style="list-style-type: none"> 1. Under the National Grid conductors (wires): <ol style="list-style-type: none"> a. any alteration or addition to an existing building or structure for a sensitive activity does not involve an increase in the building height or footprint; or b. it is a network utility undertaken by a network utility operator (other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes); or c. it is a non-habitable building or structure for farming activities in rural zones (but not including any building for intensive indoor primary production, commercial greenhouses or milking/dairy sheds); or d. it is a yard for milking/dairy sheds; or e. it is an artificial crop protection and support structure. 2. Around the National Grid support structures, the building or structure is at least 12 m from outer visible edge of any National Grid tower or pole and associated stay wire, unless it is one of the following: <ol style="list-style-type: none"> 1. a network utility undertaken by a network utility operator (other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes); or 2. a fence no greater than 2.5 m high and: <ol style="list-style-type: none"> i. no closer than 5 metres to the nearest National Grid pole; or ii. no closer than 6 metres to the nearest National Grid tower; or 3. a building or structure where Transpower has given written approval in accordance with clause 2.4.1 of NZECP34:2001. 3. Around National Grid support structures, it is an artificial crop protection or crop support structure between 8m and 12m from a pi-pole or single pole support structure and any associated guy wire (but not a tower), that: <ol style="list-style-type: none"> a. is not more than 2.5m high; b. is removable or temporary, to allow a clear working space 12 metres from the pole when necessary for maintenance and emergency repair purposes; and c. allows all weather access to the pole and a sufficient area for maintenance equipment, including a crane. <p>Note:</p> <ol style="list-style-type: none"> 1. If a resource consent application is made under this rule, Transpower will be considered an affected person in accordance with Section 95E of the Act and notified of the application, where written approval is not provided.
<p>Opotiki Operative District Plan</p> <p>Operative 2021</p>	<p>National Grid Yard</p> <p>Means any land located within:</p> <ul style="list-style-type: none"> • 12m either side of the centreline of a 110kV National Grid Transmission line on pi poles; or • within 12m in any direction from of the visible outer edge of any National Grid 	<p>17.3.1.1 Network Utilities</p> <p>Activities within the National Grid Yard</p> <p>8. Any uninhabitable accessory building within the National Grid Yard on a developed site within the Coastal Settlement Zone that existed prior to notification of this Plan.</p> <p>9. Under wires:</p> <p>The following buildings and structures (where permitted in the Zone) within the National Grid Yard but located more than 12m from a 110kV National Grid support structure foundation or stay wire:</p> <ol style="list-style-type: none"> a. Fences less than 2.5m high

<p>https://www.odc.govt.nz/repository/libraries/id:2bpcqtp1b1cxby3k9b0b/hierarchy/sitcollectiondocuments/our-council/policies-plans-bylaws/operative-district-plan/Chapters%202021/Chapter%2017%20-%20Infrastructure%20and%20Network%20Services</p>	<p>Support Structure foundation of a 110kV National Grid transmission line</p> <p>The National Grid Yard does not apply to underground cables or any transmission line (or sections of lines) that are designated by Transpower. The measurement of setback distances from National Grid lines shall be taken from the centre line of the transmission line and the outer edge of any support structure. The centre line at any point is a straight line between the centre points of the two support structures at each end of the span.</p> <p><i>(Comment - The 50kV line within the district was divested shortly after decisions on the district plan were released and therefore does not form part of the National Grid. There are also no single poles or towers in the district)</i></p>	<p>b. Alterations and additions to existing buildings for sensitive activities that do not involve an increase in the building envelope or floor space.</p> <p>c. Accessory farm buildings not for habitation and structures for farming activities excluding milking sheds and buildings and structures for intensive farming</p> <p>d. Artificial crop protection structures and crop support structures, excluding commercial greenhouses and totally enclosed protective PSA structures.</p> <p>e. Network Utilities.</p> <p>10. Near Support Structures: The following activities (where permitted in the Zone) within 12 metres of a 110kV National Grid support structure foundation or stay wire:</p> <p>a. Network utilities</p> <p>b. Network utilities that form part of electricity infrastructure that connect to the National Grid Network utility</p> <p>c. Fences less than 2.5m in height and more than 5m from the nearest 110kV National Grid support structure.</p> <p>d. Artificial crop protection structures between 8m and 12m from a 110kV National Grid pole support structure that:</p> <ul style="list-style-type: none"> • Are less than 2.5m in height; and • Are removable or temporary, to allow a clear working space 12m from a 110kV National Grid support structure when necessary for maintenance purposes; and • Allow all weather access to the pole and a sufficient area for maintenance equipment, including cranes; or <p>e. Crop support structures between 8m and 12m from a 110kV National Grid support structure that:</p> <ul style="list-style-type: none"> • Are less than 2.5m in height; and • Are removable or temporary, to allow a clear working space 12m from a 110kV National Grid support structure when necessary for maintenance purposes; and • Allow all weather access to the pole and a sufficient area for maintenance equipment, including cranes; or <p>f. Artificial crop protection structures where Transpower has given written approval in accordance with clause 2.4.1 of NZECP34:2001 to be located within 8m of a 110kV National Grid pole support structure.</p> <p>g. Crop support structures where Transpower has given written approval in accordance with clause 2.4.1 of NZECP34:2001 to be located within 8m of a 110kV National Grid pole support structure.</p>
<p>Palmerston North Operative District Plan</p> <p>Operative 13 May 2019</p>	<p>National Grid Yard means:</p> <ul style="list-style-type: none"> • the area located 12 metres in any direction from the outer edge of a National Grid support structure; and • the area located 10 metres either side of the centerline of an overhead 110kV National Grid line on single poles; or 	<p>R23.6.5 Activities within the National Grid Yard</p> <p>Within the National Grid Yard, the following activities are Permitted Activities:</p> <p>(a) The operation, maintenance, upgrading of network utilities that are also permitted activities under R23.6.2 and R23.6.4, or are permitted by the NES for Electricity Transmission or the NES for Telecommunication Facilities;</p> <p>(b) On all sites within any part of the National Grid Yard:</p> <ol style="list-style-type: none"> i. Network utilities within a transport corridor, part of a transmission network or electricity infrastructure that connects to the National Grid.; or ii. Any uninhabited agricultural or horticultural building or structure that is not specified as a noncomplying activity in R23.10.2;

<p>https://www.pncc.govt.nz/files/assets/public/document/s/council/district-plan/district-plan-operative/section-23-utilitiesv2.pdf</p>	<ul style="list-style-type: none"> the area located 12 metres either side of the centerline of any overhead National Grid line on pi poles or towers <p>See Explanatory Diagram 5: National Grid Yard</p> <p>NOTE: The National Grid Yard does not apply to underground cables or to any transmission lines (or sections of line) that are designated</p>	<ul style="list-style-type: none"> iii. Fences less than 2.5m in height that comply with NZECP34:2001; iv. Horticultural structure between 8m and 12m from a pole support structure that: <ul style="list-style-type: none"> (i) Meets the requirements of the NZECP34:2001 for separation distances from the conductor; (ii) Is no more than 2.5m high; (iii) Is removable or temporary, to allow a clear working space 12 metres from the pole when necessary for maintenance and emergency repair purposes; and (iv) Allow all weather access to the pole and a sufficient area for maintenance equipment, including a crane. v. A horticultural structure where Transpower has given written approval in accordance with clause 2.4.1 of NZECP34:2001 to be located within 12m of a tower or 8m of a pole support structure. vi. Any buildings and structures for a sensitive activity, not involve an increase in the building height or footprint where alteration and additions to the existing buildings occur. <p>(c) All buildings or structures permitted by B) must comply with at least one of the following conditions:</p> <ul style="list-style-type: none"> i. A minimum vertical clearance of 10m below the lowest point of the conductor associated with National Grid Lines; or ii. Demonstrate that safe electrical clearance distances required by NZECP34:2001 are maintained under all National Grid line operating conditions. <p>NOTE TO PLAN USERS</p> <ul style="list-style-type: none"> In addition to the above, all activities (whether listed or not) located under or adjacent to transmission lines must comply with the New Zealand Electrical Code for Electrical Safe Distances (NZECP34:2001) and the Electricity (Hazards from Trees) Regulations 2003. Compliance with the District Plan does not ensure compliance with the Code. In order to establish safe clearance distances, consultation with Transpower NZ may be necessary. Rules relating to earthworks activities within the National Grid Yard are set out in Section 6 – General (Earthworks) of the District Plan. <p><i>(Comment</i> <i>The purpose of the National Grid Yard is to manage sensitive activities and any activities that could impact on the operation, maintenance and development of the National Grid infrastructure and assets. The permitted activities set out above seek to enable a range of activities within the National Grid Yard to be undertaken provided certain standards are met which reduce the risk of adverse environmental effects on the National Grid and on activities sensitive to the National Grid.</i></p> <p><i>Any building or structure not permitted, is non complying under Rule R23.10.2.)</i></p>
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<p>Porirua Proposed District Plan</p> <p>Notified August 2020</p> <p>https://eplanning.porirua.govt.nz/districtplan/default.html#Rules/0/77/1/0/0</p>	<p>National grid yard means, as depicted in Diagram 1:</p> <p>a. the area located within 10m of either side of the centreline of an above ground 110kV electricity transmission line on single poles;</p> <p>b. the area located within 12m either side of the centreline of an above ground transmission line on pi-poles or towers that is 110kV or greater;</p> <p>c. the area located within 12m in any direction from the outer visible edge of an electricity transmission pole or tower foundation, associated with a line which is 110kV or greater.</p> <p>The measurement of setback distances from National Grid transmission lines must be undertaken from the centre line of the National Grid transmission line and the outer edge of any support structure. The centre line at any point is a straight line between the centre points of the two support structures at each end of the span.</p> <p>Note: the National Grid Yard does not apply to underground cables or any transmission lines (or sections of line) that are designated.</p> <p>Diagram 1: National Grid Yard and National Grid Corridor.</p>	<p>GRUZ-R2 Buildings and Structures, including additions and alterations, within the National Grid Yard</p> <p>1. Activity status: Permitted</p> <p>Where:</p> <p>a. The building or structure is a non-habitable farm or horticulture structure or building or a stockyard or platform ancillary to milking/dairy sheds (excluding commercial greenhouses, wintering barns, produce packing facilities and milking/dairy sheds); <i>(Comment: Transpower submitted seeking amendment to the rule to clarify the 12m setback applies. This is presently awaiting the completion of hearings and a decision).</i></p> <p>b. The building or structure is a fence that is no greater than 2.5m in height and is located no closer than:</p> <p>i. 6m from the outer visible edge of a foundation of a National Grid transmission line tower; or</p> <p>ii. 5m from the outer visible edge of a foundation of a National Grid transmission line pole; or</p> <p>c. The building or structure is an artificial crop protection structure or crop support structure is no greater than 2.5m in height and is located at least 8m from a National Grid transmission line pole;</p> <p>d. The building or structure is an accessory building that is associated with an existing residential activity and is less than 10m² in area and 2.5m in height; and</p> <p>e. Any alterations to an existing building or structure that is used for a sensitive activity do not increase the building or structure height or footprint.</p>
<p>South Taranaki Operative District Plan</p>	<p>NATIONAL GRID YARD: (shown in red in diagram below) means the area located 12 metres in any direction from the outer edge of a National Grid support STRUCTURE; and the area located 12</p>	<p>3.2.14 Buildings and Structures in the National Grid Yard Under the National Grid Conductors (wires)</p> <p>a. All sites within any part of the National Grid Yard, buildings and structures shall:</p> <p>(i) If they are for a sensitive activity, not involve an increase in the building height or footprint where alterations and additions to existing buildings occur, or</p>

<p>Operative 22 January 2021</p> <p>https://www.southtaranaki.com/repository/libraries/id:27mlbegko1cxbvf94es5/hierarchy/Documents/District%20Plan/District%20Plan%202015/Sections/Section%203%20Rural%20Zone%20Rules.pdf</p>	<p>metres either side of the centreline of any overhead National Grid line on pi poles or towers.</p> <p>Note: The NATIONAL GRID YARD does not apply to underground cables or any transmission lines (or sections of line) that are designated.</p> <p><i>(Comment: there are no single poles in the district)</i></p>	<p>(ii) Be a fence which is either:</p> <ul style="list-style-type: none"> (a) Less than 2.5m high and at least 5 m from the nearest support structure. (b) Located within 5m of a support structure where Transpower has given written approval in accordance with clause 2.3.3 of the NZECP 34:2001 (Working near Power Lines); or <p>(iii) Be a network utility (excluding buildings and structures for dams and irrigation schemes)</p> <p>(iv) Be an uninhabitable farm building or structure for farming activities (but not a milking/dairy shed (excluding ancillary structures), Pseudomonas syringae pv. Actinidiae (PSA) Structures, or intensive farming buildings); or</p> <p>Note: PSA is a bacterium that can result in the death of kiwifruit vines.</p> <p>(v) Be an uninhabited horticultural building or structure other than a commercial greenhouse or intensive farming building.</p> <p>b. All buildings or structures permitted by point 1 above shall comply with at least one of the following standards:</p> <ul style="list-style-type: none"> (i) A minimum vertical clearance of 10 m below the lowest point of the conductor associated with National Grid lines; or (ii) Demonstrate that safe electrical clearance distances required by NZECP 34:2001 (Working near Power Lines) are maintained under all National Grid line operating conditions. <p>Around National Grid Support structures</p> <p>c. Buildings and structures shall be at least 12m from a National Grid support structure unless it is a:</p> <ul style="list-style-type: none"> (i) Network utility (excluding buildings and structures for dams or irrigation); or (ii) A fence which is either: <ul style="list-style-type: none"> (a) Less than 2.5m high and at least 5m from the nearest support structure; or (b) Located within 5m of a support structure where Transpower has given written approval in accordance with clause 2.3.3 of the NZECP 34:2001. (iii) Horticultural structure between 8m and 12m from a single pole support structure that: <ul style="list-style-type: none"> (a) Meets the requirements of the NZECP 34:2001 (Working near Power Lines) for separation distances from the conductor; (b) Is no more than 2.5m high; (c) Is removable or temporary, to allow a clear working space 12 m from the pole when necessary for maintenance and emergency repair purposes; and (d) Allows all weather access to the pole and a sufficient area for maintenance equipment, including a crane. (iv) A new horticultural structure or uninhabitable farm building or structure (excluding milking/dairy sheds and intensive farming buildings) where Transpower has given written approval in accordance with clause 2.4.1 of NZECP 34:2001 (Working near Power Lines) to be located within 12m of a tower or 8m of a pole support structure. <p>Advice Notes</p> <p>Note: Vegetation to be planted near electricity lines (including the National Grid) should be selected and/or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003.</p> <p>Note: The New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) contains restrictions on the location of structures and activities in relation to telecommunications and electricity lines (including the National Grid). Compliance with the permitted activity standards of the Plan does not ensure compliance with the NZECP 34:2001.</p> <p>Notification Statement</p>
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		<p>Where an activity requires resource consent solely because it is within a National Grid Yard, or within 20m of a National Grid substation then the application need not be publicly notified and need not be served on any affected person apart from Transpower New Zealand Limited who will be considered an affected person.</p>
<p>Waikato District Plan Decisions Version 2021</p> <p>https://www.waikatodistrict.govt.nz/docs/default-source/your-council/plans-policies-and-bylaws/plans/district-plan-review/decisions/proposed-waikato-district-plan-(decisions-version)/part-3-area-specific-matters/grz-general-residential-zone/part-3_4-gruz-general-rural-zone.pdf?sfvrsn=48e69ac9_2</p>	<p>National Grid yard Means the area located within:</p> <p>(a) 12 metres in any direction from the visible outer edge of a national grid support structure foundations; and</p> <p>(b) 10 metres either side of the centre line of any above-ground 110kV national grid line on single poles; and</p> <p>(c) 12 metres either side of the centre line of any above-ground national grid line on towers.</p> <p>The National Grid yard does not apply to underground cables or any transmission line (or sections of lines) that are designated by Transpower. The measurement of setback distances from National Grid lines shall be taken from the centre line of the transmission line and the outer edge of any support structure. The centre line at any point is a straight line between the centre points of the two support structures at each end of the span.</p>	<p>GRUZ-R21 Buildings, structures and sensitive land use within the National Grid Yard on sites existing as of 18 July 2018</p> <p>(1) Activity status: PER Activity-specific standards:</p> <p>(a) Within National Grid Yard:</p> <p>(i) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or</p> <p>(ii) Infrastructure (other than for the reticulation and storage of water for irrigation purposes) undertaken by a network utility operator as defined in the Resource Management Act 1991;</p> <p>or</p> <p>(iii) Non-habitable buildings or structures for farming activities in rural zones including accessory structures and yards for milking/dairy sheds (but not including any intensive farming buildings, commercial greenhouses and milking/dairy sheds); or</p> <p>(iv) Non-habitable horticultural buildings;</p> <p>or</p> <p>(v) Artificial crop protection and support structures (excluding commercial greenhouses and Pseudomonas syringae pv. Actinidiae (Psa) disease control structures);</p> <p>(vi) Fences less than 2.5m in height, measured from the natural ground level immediately below the structure;</p> <p>and</p> <p>(vii) Minor structures associated with farming activity that are not situated within 12m of the outer visible foundation of any National Grid tower or 10m of the outer visible foundation of a National Grid tower, including: fences, gates, stock exclusion structures, cattle-stops, stock underpasses, stock bridges and culvert crossings, and drinking water supply pipelines, troughs, and water storage tanks</p> <p>(b) All buildings or structures permitted by Rule GRUZ-R21(1)(a) must:</p> <p>(i) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 under all National Grid transmission line operating conditions;</p> <p>and</p> <p>(1) Locate a minimum 12m from the outer visible foundation of any National Grid support structure foundation and associated stay wire, unless it is:</p> <p>(2) A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the NZECP; or</p> <p>(3) Fences less than 2.5m in height, measured from the natural ground level immediately below the structure, and located a minimum of 5m from the nearest National Grid support structure foundation;</p> <p>or</p>

		<p>(ii) Network utilities (other than for the reticulation and storage of water for irrigation purposes) or any part of electricity infrastructure undertaken by a network utility operator as defined in the Resource Management Act 1991, that connects to the National Grid; and</p> <p>(iii) Not permanently physically impede existing vehicular access to a National Grid support structure;</p> <p>(c) Artificial crop protection structures and support structures between 8m and 12m from a pole support structure but not a tower and any associated guy wire that:</p> <p>(i) Meet the requirements of the NZECP 34:2001 ISSN 0114-0663 for separation distances from the conductor;</p> <p>(ii) Are no higher than 2.5m;</p> <p>(iii) Are removable or temporary, to allow a clear working space of at least 12 metres from the pole when necessary for maintenance and emergency repair purposes;</p> <p>(iv) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane.</p>
<p>Christchurch Operative District Plan</p> <p>Operative 19 December 2017</p>	<p>National Grid has the same meaning as defined in the National Policy Statement on Electricity Transmission 2008.</p> <p>Electricity transmission has the same meaning as defined in the National Policy Statement on Electricity Transmission 2008.</p> <p>https://districtplan.ccc.govt.nz/pages/plan/book.aspx?exhibit=DistrictPlan</p>	<p>17.6.1.5 Non-complying activities</p> <p>NC5</p> <p>a. Buildings and horticultural structures not permitted by Rule 17.6.1.1 P2, and any sensitive activities:</p> <p>i. Within 12 metres of the centre line of a 220kV National Grid transmission line or foundation of an associated support structure.</p> <p>ii. Within 10 metres of the centre line of a 66kV National Grid transmission line or foundation of an associated support structure.</p> <p>b. Fencing - Fences that do not meet Rule 17.6.1.1 P1.</p> <p>c. Any application arising from this rule shall not be publicly notified and shall be limited notified only to Transpower New Zealand Limited (absent its written approval).</p> <p>Advice note:</p> <ol style="list-style-type: none"> The National Grid transmission lines are shown on the planning maps. Vegetation to be planted around the National Grid should be selected and/or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003. The New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) contains restrictions on the location of structures and activities in relation to National Grid transmission lines. Buildings and activities in the vicinity of National Grid transmission lines must comply with the NZECP 34:2001. <p><i>(Comment – The 10m setback relates to the 66kV line, of which there are none within Central Hawke’s Bay).</i></p>

<p>Dunedin Second Generation Plan Appeals Version</p> <p>National Grid Corridor provisions Consent Order signed February 2022</p> <p>https://2gp.dunedin.govt.nz/plan/pages/plan/book.aspx?exhibit=DCC2GP</p>	<p>National Grid Yard The area located:</p> <p>a. 12m from the outside edge of a National Grid support structure foundation;</p> <p>b. 12m from the boundary of a National Grid substation; and</p> <p>c. 12m from the centreline of an overhead National Grid transmission line.</p> <p>The National Grid Yard is the area shown in red in Figure 1.4.1.X below. Figure 1.4.1X: National Grid Yard</p>	<p>5.6.1 Setback from National Grid</p> <p>5.6.1.1 Setback from National Grid (new buildings and structures, city-wide activities and National Grid sensitive activities)</p> <p>a. New buildings and structures, additions and alterations, public amenities, underground or internal network utilities (except where located within an existing building or structure), network utility structures - small scale, network utility structures – large scale, standby or temporary energy generators and National Grid sensitive activities must be set back at least:</p> <p>i. 12m from the outside edge of a National Grid support structure foundation or from the boundary of a National Grid substation; and</p> <p>ii. 12m from the centre line of any point of a National Grid transmission line.</p> <p>b. The following activities are exempt from this standard, provided either that they meet the requirements of NZECP 34:2001, or that there is a minimum vertical clearance of 10m between the lowest point of the National Grid conductor and the highest point of any structure:</p> <p>i. network utility operation as defined in section 166 of the RMA (excluding the reticulation and storage of water for irrigation purposes);</p> <p>ii. fences not more than 2.5m in height and located at least 5m from a National Grid support structure;</p> <p>iii. artificial crop protection and crop support structures not more than 2.5m in height and located at least 8m from a National Grid pole support structure (but not a tower), provided that such structures:</p> <ol style="list-style-type: none"> 1. are removable or temporary to allow a clear working space of 12m from the pole for maintenance and repair purposes; and 2. allow all weather access to the pole and a sufficient area for maintenance equipment, including a crane; <p>iv. farming or horticultural buildings of any type other than the following are exempt from Rule 5.6.1.1.a.ii only:</p> <ol style="list-style-type: none"> X. buildings used for intensive farming; Y. milking/dairy sheds; Z. produce packing facilities; AA. commercial greenhouses; or AB. residential buildings; <p>X. stockyards, and ancillary platforms for milking/dairy sheds are exempt from Rule 5.6.1.1.a.ii only;</p> <p>v. irrigation equipment used for agricultural or horticultural purposes that is not for the distribution of water for commercial supply and does not permanently obstruct existing vehicular access to a National Grid support structure (exempt from Rule 5.6.1.1.a.ii only);</p> <p>vi. in residential zones, buildings that are not a residential building and that are less than 10m² in area and under 2.5m in height, are exempt from Rule 5.6.1.1.a.ii only ;and</p> <p>Y. official signs.</p> <p>c. Activities that contravene this performance standard are non-complying activities.</p>
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<p>Hurunui Operative District Plan</p> <p>Operative 21 June 2018</p> <p>https://dp.hurunui.govt.nz/eplan/#Rules/0/0/0/0/0</p>	<p>National grid means the assets used or owned by Transpower NZ Limited.</p>	<p>3.4.3 Standards for permitted activities</p> <p>11. Setback from National Grid transmission line Support Structures and Setback from centreline of National Grid lines</p> <p>(a) No sensitive activity, hazardous facility, building or structure (excluding fencing) shall be located within:</p> <p>(i) 12 m of a foundation of a 220kV or 350kV National Grid transmission line support structure; or</p> <p>(ii) 10 m of a foundation of a 66kV National Grid transmission line support structure.</p> <p>(b) No sensitive activity, hazardous facility, building or structure (excluding fencing) shall be located within the following corridors except where they are farm buildings or horticultural structures (that are not commercial greenhouses, wintering barns, produce packing facilities, milking/dairy sheds or structures associated with irrigation infrastructure) that meet the requirements of Clause 2.4.1 of NZECP34:2001:</p> <p>(iii) 12m of the centre line of a 220kV or 350kV National Grid transmission line; or</p> <p>(iv) 10 m of the centre line of a 66kV National Grid transmission line.</p> <p>(c) Fencing shall be located a minimum of 5 m from the foundation of a National Grid transmission line support structure except where it meets the requirements of Clause 2.3.3 of NZECP 34:2001.</p>
<p>Invercargill City District Plan</p> <p>Operative 30 August 2019</p> <p>https://icc.govt.nz/wp-content/uploads/2021/07/3-Part-Three-Rules-2019.pdf</p>	<p>National Grid Yard Means:</p> <p>1. The area located 12 metres in any direction from the outer edge of a National Grid support structure; and</p> <p>2. The area located 12 metres either side of the centreline of any overhead National Grid line (as shown in dark grey in diagram below):</p>	<p>National Grid Yard</p> <p>UTIL-R4 The following buildings and structures are permitted within the National Grid Yard, provided these comply with the safe electrical clearance distances set out in the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) and provided those in UTIL-R4.3 to UTIL-R4.8 are located at least 12 metres from the outer visible foundation of a National Grid Transmission Line support structure:</p> <ol style="list-style-type: none"> 1. Network utilities (other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes) undertaken by a network utility operator as defined in Section 166 of the Resource Management Act 1991 or any part of electricity infrastructure that connects to the National Grid 2. Fences no more than 2.5 metres in height and located more than 5 metres from the outer visible foundation of a National Grid transmission line support structure 3. Any new non-habitable building less than 2.5 metres high and 10m² in floor area 4. Non-habitable buildings or structures used for agricultural activities provided they are not a milking shed/dairy shed (excluding the stockyards and ancillary platforms), wintering barn, or building for intensive farming activities (excluding animal feed lots), or a commercial greenhouse 5. Mobile irrigation equipment used for agricultural activities 6. Other than reticulation and storage of water in dams or reservoirs in UTIL-R5.3, reticulation and storage of water for irrigation purposes provided that it does not permanently physically obstruct existing vehicle access to a National Grid support structure 7. Alterations and extensions to existing buildings: <ol style="list-style-type: none"> a. Where the alterations or extensions are not within the National Grid Yard; or b. Where the alterations do not increase the existing building envelope 8. Public signs required by law or provided by any statutory body in accordance with its powers under any law.

		<p>UTIL-R5 The following activities are non-complying within the National Grid Yard:</p> <ol style="list-style-type: none"> 1. Any new building or structure, or addition to any building or structure, not permitted by UTIL-R4 2. Any change of use to a National Grid Sensitive Activity, or the establishment of a new National Grid Sensitive Activity 3. Reticulation and storage of water in dams or reservoirs, or for irrigation purposes if it permanently physically obstructs existing vehicle access to a National Grid support structure. <p>Note: The New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) contains restrictions on the location of structures and activities in relation to the lines and needs to be met. Compliance with the permitted activity standards of the Plan does not ensure compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34: 2001).</p> <p>Note: Vegetation to be planted within the National Grid Yard should be selected and/or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003.</p>
<p>Marlborough Environment Plan Appeals Version</p> <p>Consent order August 2020</p> <p>https://www.marlborough.govt.nz/repository/libraries/id:1w1mps0ir17q9sgxanf9/hierarchy/Documents/Your%20Council/Environmental%20Policy%20and%20Plans/MEP_Decisions/Appeal_Version/Volume_2/Appeal%20Ver</p>	<p>National Grid Yard means:</p> <ul style="list-style-type: none"> • the area located 12m in any direction from the outer edge of a National Grid support structure; or • the area located 12m either side of the centreline of any overhead National Grid transmission line on pi-poles or towers. 	<p>3.3.52. Buildings, structures and activities in the National Grid Yard</p> <p>3.3.52.1. Sensitive activities and buildings for the handling or storage of hazardous substances with explosive or flammable intrinsic properties must not be located within the National Grid Yard.</p> <p>3.3.52.2. Buildings and structures must not be located within the National Grid Yard unless they are:</p> <ol style="list-style-type: none"> (a) a fence not exceeding 2.5m in height; or (b) an uninhabited farm or horticultural structure or building (except where they are commercial greenhouses, wintering barns, produce packing facilities, or milking/dairy sheds (excluding ancillary stockyards and platforms)). (c) irrigation equipment used for agricultural or horticultural purposes including the reticulation and storage of water where it does not permanently physically obstruct vehicular access to a National Grid support structure. <p>3.3.52.3. Buildings and structures must not be within 12m of a foundation of a National Grid transmission line support structure unless they are:</p> <ol style="list-style-type: none"> (a) a fence not exceeding 2.5m in height that is located at least 6m from the foundation of a National Grid transmission line support structure; or at least 5m from a National Grid pi-pole structure (but not a tower); or (b) artificial crop protection structures or crop support structures not more than 2.5m in height and located at least 8m from a National Grid pipole structure (but not a tower) and are: <ol style="list-style-type: none"> (i) removable or temporary to allow a clear working space of 12m from the pole for maintenance and repair purposes; and (ii) all weather access to the pole and a sufficient area for maintenance equipment, including a crane; or (c) located within 12 metres of a National Grid transmission line support structure that meets the requirements of clause 2.4.1 of the New Zealand Electrical Code of Practice (NZECP34:2001). <p>3.3.52.4. All buildings and structures must have a minimum vertical clearance of 10m below the lowest point of a conductor under all transmission line and building operating conditions.</p>

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<p>Queenstown Lakes Proposed District Plan Decisions Version April 2022</p> <p>https://www.gldc.govt.nz/media/v3wnfz/gd/pdp-chapter-30-energy-and-utilities-apr-2022.pdf</p>	<p>National Grid Yard Means:</p> <p>a. the area located 12 metres in any direction from the outer edge of a national grid support structure; and</p> <p>b. the area located 12 metres either side of the centreline of any overhead national grid line;</p> <p>(as shown in dark grey in diagram below)</p> <p>Excludes any transmission lines (or sections of line) that are designated.</p>	<p>30.5.4 National Grid Standards</p> <p>30.5.4.1 Building and Structures permitted within the National Grid Yard</p> <p>30.5.4.1.1 Buildings and structures that meets the safe electrical clearance distances required by New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001).</p> <p>30.5.4.1.2 A non-conductive fence located 5m or more from any National Grid Support Structure and no more than 2.5m in height.</p> <p>30.5.4.1.3 A network utility, excluding a building or structure for the reticulation and storage of water for irrigation purposes.</p> <p>30.5.4.1.4 Any new non-habitable building less than 2.5m high and 10m² in floor area and is more than 12m from a National Grid transmission line support structure.</p> <p>30.5.4.1.5 Any non-habitable building or structure used for agricultural or horticultural activities provided that they are:</p> <p>a. less than 2.5m high;</p> <p>b. located at least 12m from a National Grid transmission line support structure;</p> <p>c. not a wintering barn, produce packing facility, milking shed/dairy shed (excluding the stockyards and ancillary platforms), or a commercial glasshouse, or a structure associated with irrigation, or a factory farm.</p> <p>30.5.4.1.6 Alterations to existing buildings that do not alter the building envelope.</p> <p>30.5.4.1.7 An agricultural or horticultural structure where Transpower has given written approval in accordance with clause 2.4.1 of NZECP34:2001.</p> <p>Note: Refer to the Definitions for illustration of the National Grid Yard.</p>
<p>Proposed Selwyn District Plan</p> <p>Notified October 2020</p> <p>https://eplan.selwyn.govt.nz/review/#Rul</p>	<p>NATIONAL GRID YARD The area measured</p> <p>a. 12m in any direction from the outer visible foundation of a national grid support structure; and</p> <p>b. 12m either side of the centreline of an overhead national grid line on pi-poles and towers (and steel tubular monopoles where these replace towers); and</p>	<p>EI-R1 Activities in the National Grid Yard Activity Status: PER</p> <p>1. The establishment of a new, or expansion of an activity within a National Grid Yard.</p> <p>Where:</p> <p>a. The activity does not involve the reticulation or storage of water in open channels, dams, or reservoirs; or</p> <p>b. The activity does not involve the storage and/or handling of hazardous substances with explosive or flammable intrinsic properties; or</p> <p>c. The activity does not involve mineral extraction.</p> <p>And where the activity complies with the following rule requirements: EI-REQ1 Access</p>

<p>es/0/305/1/0/0</p>	<p>c. 10m either side of an overhead national grid line on single poles.</p>	<p>EI-R2 Structures in the National Grid Yard Activity Status: PER 1. The establishment of a new, or expansion of an existing structure within the National Grid Yard. Where: a. The structure is not used for: i. habitation; ii. produce packing; iii. a milking shed; iv. a wintering barn; v. intensive primary production; or vi. commercial greenhouse. b. The expansion of the existing structure does not occur to a structure listed in EI-R2.1.a. And this activity complies with the following rule requirements: EI-REQ1 Access EI-REQ2 Fence setback</p> <p><i>Note: Transpower has submitted on the above provision with the decision from the hearing outstanding.</i></p>
<p>Proposed Waimakariri District Plan Notified September 2021 https://waimakariri.isoplan.co.nz/draft/#Rules/0/247/1/0/0</p>	<p>NATIONAL GRID YARD means: a. the area located 12m in any direction from the outer edge of a 220kV or a 350kV National Grid transmission line support structure; or b. the area located 10m in any direction from the outer edge of a 66kV National Grid transmission line support structure; and c. the area located 10m either side of the centreline of an overhead 66kV National Grid transmission line on towers (including tubular steel towers where these replace lattice steel towers); or d. the area located 12m either side of the centreline of any overhead 220kV or 350kV National Grid transmission line on towers (including tubular steel</p>	<p>EI-R51 Activities and development (other than earthworks) within a National Grid Yard Activity status: PER Where: 1. the activities and development within a National Grid Yard in (a) to (i) below comply with the safe electrical clearance distances set out in the NZECP; and where the activities and development in (d) to (i) below are set back 12m from any National Grid support structure: a. network utilities (other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes) undertaken by network utility operators; b. fences no greater than 2.5m in height above ground level and no closer than 6m from the nearest National Grid support structure; c. artificial crop protection and support structures between 8m and 12m from a single pole or pi-pole and any associated guy wire (but not a tower) that: i. meets the requirements of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances for separation distances from the conductor; ii. is a maximum of 2.5m in height above ground level; iii. is removable or temporary, to allow clear working space 12m from the pole when necessary for maintenance and emergency repair purposes; iv. allows all weather access to the pole and a sufficient area for maintenance equipment, including a crane; d. any new non-habitable building less than 2.5m in height above ground level and 10m² in floor area;</p>

	<p>towers where these replace lattice steel towers).</p>	<p>e. non-habitable buildings or structures used for agricultural and horticultural activities, provided they are not a milking shed/dairy shed (excluding the stockyards and ancillary platforms), a wintering barn, a building for intensive farming activities, or a commercial greenhouse;</p> <p>f. mobile irrigation equipment used for agricultural and horticultural activities;</p> <p>g. other than reticulation and storage of water in dams or reservoirs in (a) above, reticulation and storage of water for irrigation purposes provided that it does not permanently physically obstruct vehicular access to a National Grid support structure;</p> <p>h. building alterations and additions to an existing building or other structure that does not involve an increase in the height above ground level or footprint of the building or structure; and</p> <p>i. a building or structure where Transpower NZ Ltd has given written approval in accordance with clause 2.4.1 of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</p>
<p>Operative South Waikato District Plan</p> <p>Operative 28 April 2021</p> <p>https://plans.southwaikato.govt.nz/public/district-plan/DPLAN28.aspx</p>	<p>The National Grid Yard (shown as dotted - means the area:</p> <ul style="list-style-type: none"> • Located 12m in any direction from the outer edge of a National Grid support structure (pole or tower) and • Located 10m either side of the centreline of an above ground 110kV National Grid line (or section of line) on single poles, or • Located 12m either side of the centreline of an above ground National Grid line on pi poles or towers. <p>• Note: The National Grid Corridor and National Grid Yard do not apply to the Brownhill Road to Whakamaru North A 400kV capable lines, (or any other line) which are designated, or to underground cables.</p>	<p>28.4.2 Other Building Setbacks, and Earthworks</p> <p>d) Within any part of a National Grid Yard:</p> <p>i) Under the National Grid Conductors (wires)</p> <p>a) All buildings and structures within any part of the National Grid Yard must:</p> <ul style="list-style-type: none"> • If they are for a sensitive activity, not involve an increase in the building height or footprint where alterations and additions to existing buildings occur, or • be a fence, or • be Network Utilities within a transport corridor or any part of electricity infrastructure that connects to the National Grid, or • be an uninhabitable farm building or structure for farming activities (but not a milking/dairy shed, poultry farming building, or intensive farm building (excluding ancillary structures)), or • be an uninhabited horticultural building or structure, or • be an official sign, and <p>b) All buildings or structures permitted by a) above, must comply with at least one of the following conditions:</p> <ul style="list-style-type: none"> • A minimum vertical clearance of 10m below the lowest point of the conductor associated with a National Grid transmission line, or • Demonstrate that safe electrical clearance distances are maintained under all transmission line operating conditions as required by NZECP34. <p>ii) Activities around National Grid support structures</p> <p>a) Buildings and structures shall be at least 12m from a National Grid support structure unless it is a:</p> <ul style="list-style-type: none"> • Network Utility within a transport corridor or any part of electricity infrastructure that connects to the National Grid • Fence less than 2.5m in height and more than 5m from the nearest support structure. • Horticultural Structure between 8m and 12m from a single pole support structure that: • meets the requirements of the New Zealand Electrical Code Of Practice for Electrical Safe Distances for separation distances from the conductor (NZECP34:2001);

		<ul style="list-style-type: none"> • is no more than 2.5m high • is removable or temporary, to allow a clear working space 12 metres from the pole when necessary for maintenance and emergency repair purposes; and • allow all weather access to the pole and a sufficient area for maintenance equipment, including a crane.
<p>Operative Horowhenua District Plan</p> <p>Operative 1 July 2015</p> <p>https://www.horowhenua.govt.nz/files/assets/public/districtplan2015/horowhenua-district-plan-2015-chapter-19-rural-zone.pdf</p>	<p>National Grid Corridor means a corridor either side of the assets used or owned by Transpower NZ Limited as part of the National Grid. The measurement of setback distances from National Grid electricity lines shall be taken from the centre line of the electricity transmission line and the outer edge of any support structure. The centre line at any point is a straight line between the centre points of the two support structures at each end of the span as depicted on the diagram below.</p>	<p>19.6.15 National Grid Corridor</p> <p>(a) No building or sensitive activity shall be located closer than:</p> <p>(i) 10 metres either side of the centreline of any high voltage (110kV) transmission line shown on the Planning Maps.</p> <p>(ii) 12 metres either side of the centreline of any high voltage (220kV or more) transmission line shown on the Planning Maps.</p> <p>(iii) 12 meters from the outer edge of any support structure of any high voltage transmission line shown on the Planning Maps.</p> <p>Note: The requirements of New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) also need to be met and contact should be made with the line owner.</p> <p>Exceptions:</p> <p>The following are exempt from the setback requirements in Rule 19.6.15(a):</p> <ul style="list-style-type: none"> • Fences up to 2.5 metres in height • Mobile machinery and equipment • Utilities within a road or rail corridor and electricity infrastructure • Crop support structures and crop protection structures that meet the requirements of New Zealand Electrical Code of Practice of Electrical Safety Distances (NZECP 34:2001) for minimum distance beneath conductors and are 12 metres from the support structure of high voltage transmission lines. • Crop support structures and crop protection structures (including any connected catenary or support cables or wires) that are at least 8 metres from the outer edge of a pole (not tower) support structure of high voltage transmission line and that: <ul style="list-style-type: none"> – Meet the requirements of New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001) for minimum distance beneath conductors: and – Are no more than 2.5 metres high; and – Are removable or temporary, to allow a clear working space 12 metres from the pole when necessary for maintenance purposes; and – Allow all weather access to the pole and a sufficient area for maintenance equipment, including a crane. • Non-habitable buildings associated with primary production activities (excluding milking sheds) that meet the requirements of New Zealand Electrical Code of Practice of Electrical Safety Distances (NZECP 34:2001) for minimum distance beneath conductors and are 12 metres from the support structure of high voltage transmission lines. • Recreation activities and facilities.

<p>Operative Waimate District Plan</p> <p>Operative 28 February 2014</p> <p>https://www.waimatedc.govt.nz/repository/libraries/id:21r92ideo17g9sg7je9s/hierarchy/Documents/Council/Publications/District%20Plan/04%20Rural</p>	<p>No specific definition</p>	<p>8.8.1 Setback from National Grid Support Structures (Lines are marked as High Voltage Electricity Lines on the Planning Maps):</p> <p>No building or structure shall be located within 12m (in any direction) of the visible outer edge of a National Grid support structure, with the following exceptions:</p> <ul style="list-style-type: none"> a. Fencing up to 2.5m in height that is at least 5m from the outer edge of any support structure; b Network utilities within a transport corridor or any part of electricity infrastructure that connects to the National Grid <p>8.8.2 Setback from centreline of National Grid lines (Lines are marked as High Voltage Electricity Lines on the Planning Maps):</p> <p>No building or structure shall be located within 12m (in any direction) of the centreline of any electricity transmission supported by a tower or pi-pole or 10m of the centreline of an electricity transmission line supported by a single pole, with the following exceptions:</p> <ul style="list-style-type: none"> a. Ancillary buildings and structures associated with residential activities that are less than 10m² in area and under 2.5m in height can be located within the above setback distances, provided they are at least 12m from the visible outer edge of any support structures and are not used for habitation; b. Fencing up to 2.5m in height that is at least 5m from the outer visible edge of any support structure; c. Alterations to existing buildings that do not increase the building envelope or footprint provided that they are at least 12m from the visible outer edge of any support structure; d. Network utilities within a transport corridor or any part of electricity infrastructure that connects to the National Grid; e. Buildings and structures associated with farming or horticultural activities may be located within 10m of the centreline of an electricity transmission line supported by single poles and 12m of any other transmission line provided they are: <ul style="list-style-type: none"> i) sited at least 12m from the visible outer edge of any support structure; ii) Not a milking shed/dairy shed building (excluding stockyards and ancillary platforms), or a commercial glasshouse/hothouse; iii) No closer than 10m vertically from the lowest point of the conductor associated with a transmission line, or otherwise maintain a safe separation distance as set out in the New Zealand Code of Practice for Electrical Safe Distances (NZCEP34); and iv) Not a dwelling. <p>8.8.3 Community activities shall be at least 12m from a National Grid tower, pole or centreline of a National Grid line shown on the Planning Maps as High Voltage Lines.</p>
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