

This chapter does not contain provisions that have legal effect.

# Tūāhanga — Pūnaha hiko ā-motu

## Infrastructure — National Grid

**INF-NG**

**Infrastructure — National Grid**

### Introduction

~~This sub-Chapter applies to infrastructure within the National Grid Subdivision Corridor Overlays:~~

~~The Infrastructure – National Grid sub-chapter provides a specific policy framework for the National Grid, and specific rules for activities within the National Grid Yard, and new and existing (where not regulated by the NESETA) National Grid Infrastructure within:~~

- ~~• [The Coastal Environment overlay](#)~~
- ~~• [Outstanding Natural Features and Landscapes overlay, Special Amenity Landscapes overlay, and Hilltops Ridgelines overlay, and](#)~~
- ~~• [Significant Natural Areas overlay.](#)~~

~~For activities outside these specific overlays, in addition to the policies in the Infrastructure – National Grid sub-chapter, the Infrastructure chapter applies, as do the Infrastructure - Natural Hazards sub chapter and the Infrastructure – Other Overlays sub-chapter.~~

~~In the case of conflict with any rule in this chapter and the NESETA, the provisions of the national environmental standards will prevail.~~

~~This sub-chapter does not apply to the following infrastructure that is managed by other chapters:~~

- ~~• [Renewable electricity generation;](#)~~
- ~~• [Activities that fall under the definition of airport activities or airport related activities \(and are located within the Airport Zone\); or](#)~~
- ~~• [Activities that fall under the definition of port or operational port activities \(and are located within the Port Zone\)](#)~~

~~It applies in addition to the principal Infrastructure Chapter.~~

### Other relevant District Plan provisions

~~It is important to note that in addition to the provisions in this chapter, the following Part 2: District Wide chapters may also be of relevance, including:~~

~~Subdivision—The Subdivision Chapter contains provisions which manage subdivision of land.~~

~~Light and glare – The Light Chapter contains specific provisions relating to light spill and the management of effects on residential areas.~~

~~Noise—The Noise Chapter contains specific controls in relation to noise, including effects standards NOISE-S1 (maximum noise levels).~~

~~Signs – The Signs Chapter contains specific controls in relation to signage, including official signs, the effects of signs on road safety, and third party signage.~~  
~~Contaminated land – The Contaminated Land Chapter manages the use and development of Contaminated Land or potentially Contaminated Land.~~  
~~Hazardous substances – The Hazardous Substances Chapter contains provisions to manage Hazardous Substances.~~  
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~~Resource consent may therefore be required under rules in this chapter as well as other chapters. Unless specifically stated in a rule or in this chapter, resource consent is required under each relevant rule. The steps to determine the status of an activity are set out in the General Approach chapter.~~

Objective	
Infrastructure — The National Grid	
<b>INF-NG-07</b>	<b>The National Grid</b> The national significance and benefits of the National Grid are recognised, and the National Grid is protected and provided for.
Policies	
Infrastructure — National Grid	
<b>INF-NG-P58</b>	<b>Benefits of the National Grid</b> Recognise and provide for the benefits of the National Grid by enabling the operation, maintenance and upgrade of the existing National Grid and the establishment of new electricity transmission <del>resources</del> <u>assets</u> .
<b>INF-NG-P59</b>	<b>Operation, and maintenance and minor upgrade of the National Grid</b> <del>Provide for</del> <u>Enable</u> the operation, maintenance and minor upgrade of the National Grid while managing the adverse effects of these activities, <u>recognising its operational, functional and technical constraints</u> .
<b>INF-NG-P60</b>	<b>Upgrading and development of the National Grid</b> <del>Recognise and provide for the benefits of the National Grid by enabling the operation, maintenance and upgrade of the existing National Grid and the establishment of new electricity transmission resources.</del>
<b>INF-NG-P<del>60</del>60</b>	<b>Adverse effects on the National Grid</b> Protect the safe and efficient operation, maintenance and repair, upgrading, removal and development of National Grid from adverse effects by: <ol style="list-style-type: none"> <li>1. Avoiding land uses (including sensitive activities) and buildings and structures within the National Grid Yard that may directly affect or otherwise compromise the National Grid</li> <li>2. Avoiding <del>reverse sensitivity</del> <u>adverse</u> effects on the National Grid <u>from incompatible subdivision, use and development</u>.</li> <li>3. Only allowing subdivision within the National Grid Subdivision Corridor where it can be demonstrated that the National Grid will not be compromised taking into account: <ol style="list-style-type: none"> <li>a. The impact of the subdivision layout and design on the operation, maintenance, and potential upgrade and development of the National Grid, including the ability for continued reasonable access to existing transmission assets for maintenance, inspections and upgrading;</li> <li>b. The ability of any potential future development to comply with NZECP 34.2001 New Zealand Electrical Code of Practice for Electrical Safety Distances;</li> <li>c. The extent to which the design and layout of the subdivision demonstrates that a suitable building platform(s) for a principal building or dwelling can be provided outside of the National Grid Yard for each new lot;</li> <li>d. The risk to the structural integrity of the National Grid;</li> <li>e. The extent to which the subdivision design and consequential development will minimise the risk of injury and/or property damage from the National Grid and the potential reverse sensitivity on and amenity and nuisance effects of the National Grid assets;</li> </ol> </li> </ol>

	<ul style="list-style-type: none"> <li>f. The nature and location of any proposed vegetation to be planted in the vicinity of the National Grid; and</li> <li>g. The outcome of any consultation with, and technical advice from, Transpower.</li> </ul> <p>4. Only allowing earthworks within the National Grid Yard where it can be demonstrated that the safe and efficient functioning, operation, maintenance and repair, upgrading and development of the National Grid will not be compromised, taking into account:</p> <ul style="list-style-type: none"> <li>a. The extent to which the earthworks may compromise the safe access to and operation, maintenance and repair, upgrading and development of the National Grid;</li> <li>b. The stability of land within and adjacent to the National Grid;</li> <li>c. Risks relating to health or public safety, including the risk of property damage; and</li> <li>d. Technical advice provided by the owner and operator of the National Grid.</li> </ul>
<p><b>INF-NG-P6261</b></p>	<p><b>Upgrading of the National Grid</b></p> <p>Provide for the upgrading of the National Grid while:</p> <ul style="list-style-type: none"> <li>1. Seeking to avoid adverse effects on areas identified in SCHED10 – Outstanding Natural Features and Landscapes, SCHED12 - High Coastal Natural Character Areas, SCHED8 - Significant Natural Areas, SCHED11 – Special Amenity Landscapes; and remedy or mitigate any adverse effects from the upgrade which cannot be avoided;</li> <li>2. Having regard to the extent to which adverse effects have been avoided, remedied or mitigated by the route, site and method selection when considering major upgrades;</li> <li>3. Recognising the constraints arising from the operational need, <u>and</u> functional need <u>and</u> <u>technical requirements</u> of the National Grid, when considering measures to avoid, remedy or mitigate any adverse effects;</li> <li>4. Recognising the potential benefits of upgrades to the National Grid to people and communities; and</li> <li>5. Where appropriate, major upgrades should be used as an opportunity to reduce existing adverse effects of the National Grid.</li> </ul>
<p><b>INF-NG-P6362</b></p>	<p><b>Development of the National Grid</b></p> <p>Provide for the development of the National Grid</p> <ul style="list-style-type: none"> <li>1. In urban zoned areas, development should minimise adverse effects on urban amenity and should avoid material adverse effects on the Commercial and Mixed-Use zones, and areas of high recreational or amenity value and existing sensitive activities.</li> <li>2. Seek to avoid the adverse effects of the National Grid within areas identified in SCHED10 – Outstanding Natural Features and Landscapes, SCHED8 - Significant Natural Areas, and SCHED11 – Special Amenity Landscapes, outside the coastal environment.</li> <li>3. Where the National Grid has a functional need or operational need to locate within the coastal environment, manage adverse effects by: <ul style="list-style-type: none"> <li>a. Seeking to avoid adverse effects on areas identified in SCHED10 – Outstanding Natural Features and Landscapes, SCHED12 – High Coastal Natural Character Areas, SCHED8 - Significant Natural Areas, SCHED11 – Special Amenity Landscapes, and the Coastal Margin.</li> <li>b. Where it is not practicable to avoid adverse effects on the values of the areas in SCHED10 – Outstanding Natural Features and Landscapes, SCHED12 - High Coastal Natural Character Areas, SCHED8 - Significant Natural Areas, SCHED11 – Special Amenity Landscapes; and the Coastal Margin because of the functional needs or operational needs of the National Grid, remedy or mitigate adverse effects on those values.</li> <li>c. Seeking to avoid significant adverse effects on: <ul style="list-style-type: none"> <li>i. other areas of natural character</li> <li>ii. natural attributes and character of other natural features and natural landscapes</li> <li>iii. indigenous biodiversity values that meet the criteria in Policy 11(b) of the NZCPS 2010</li> </ul> </li> <li>d. Avoiding, remedying or mitigating other adverse effects to the extent practicable; and</li> <li>e. Recognising there may be some areas within SCHED10 – Outstanding Natural Features and Landscapes, SCHED12 - High Coastal Natural Character Areas, SCHED8 - Significant Natural Areas, SCHED11 – Special Amenity Landscapes; and the Coastal Margin, where avoidance of adverse effects is required to protect the identified values and characteristics.</li> </ul> </li> </ul>

	<p>4. Remedy or mitigate any adverse effects from <del>the operation, maintenance, upgrade, major upgrade or development of</del> the National Grid which cannot be avoided, to the extent practicable; and</p> <p>5. When considering the adverse effects in respect of 1-<del>34</del> above;</p> <p>a. Have regard to the extent to which adverse effects have been avoided, remedied or mitigated by the route, site and method selection; and</p> <p>b. Consider the constraints arising from the operational needs, <del>or</del> functional needs <u>or technical constraints</u> of the National Grid, when considering measures to avoid, remedy or mitigate any adverse effects.</p>
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Rules for Infrastructure — National Grid	
INF-NG-R58	Buildings, structures and activities in the National Grid Yard
All Zones	<p>1. Activity status: <b>Permitted</b></p> <p>Where:</p> <p><del>a. New activities are not a sensitive activity;</del></p> <p><del>b. The building or structure is not used for the handling or storage of hazardous substances (Hazardous Substances (Hazard Classification) Notice 2020) with explosive or flammable intrinsic properties (except this does not apply to the accessory use and storage of hazardous substances in domestic-scale quantities);</del></p> <p>a. Fences do not exceed 2.5m in height;</p> <p>b. The building is an uninhabited farm or horticultural structure or building (but not commercial greenhouses, protective canopies, wintering barns, produce packing facilities, or milking/dairy sheds (excluding ancillary stockyards and platforms);</p> <p>c. Alterations and additions to an existing building or structure for a sensitive activity, which does not involve an increase in the building height or building footprint;</p> <p>d. Construction of an accessory building associated with an existing residential activity that is less than 10m<sup>2</sup> in footprint and 2.5m in height;</p> <p>e. Infrastructure undertaken by a network utility operator as defined in the Resource Management Act 1991 or any part of electricity infrastructure that connects to the National Grid; and</p> <p>f. Compliance is achieved with INF-NG-S18.</p>
All Zones	<p>2. Activity status: <b>Non-complying</b></p> <p>Where:</p> <p>a. Compliance with INF-NG-R<del>6758.1</del> <del>cannot be</del> <u>is not</u> achieved; <del>or</del></p> <p>b. <u>The proposal is for one or more of the following activities, buildings or structures:</u></p> <p>i. <u>A change of use to a sensitive activity within existing buildings or structures;</u></p> <p>ii. <u>The establishment of a sensitive activity;</u></p> <p>iii. <u>The use, handling or storage of hazardous substances (Hazardous Substances (Hazard Classification) Notice 2020) with explosive or flammable intrinsic properties (except this does not apply to the accessory use and storage of hazardous substances in domestic-scale quantities);</u></p> <p>iv. <u>Wintering barns, Commercial greenhouses, Immoveable protective canopies, Produce packing facilities, or Milking Sheds; or</u></p> <p>v. <u>Any building or structure not otherwise provided for under INF-NG-R58.1.</u></p> <p>Notification status:</p>

	<p>An application for resource consent made in respect of rule INF-NG-R6758.2 is precluded from being publicly notified.</p> <p>Notice of any application for resource consent under this rule must be served on Transpower New Zealand Limited in accordance with Clause 10(2)(i) of the Resource Management (Forms, Fees, and Procedures) Regulations 2003.</p>
<b>INF-NG-R59</b>	<p><b>Operation, maintenance, repair of existing National Grid infrastructure:</b></p> <ul style="list-style-type: none"> <li>• <b>Within the coastal environment.</b></li> </ul>
All Zones	1. Activity status: <b>Permitted</b>
<b>INF-NG-R60</b>	<p><b>Upgrading of existing National Grid infrastructure within the coastal environment:</b></p> <ul style="list-style-type: none"> <li>• <b>Outside of high coastal natural character areas; and</b></li> <li>• <b>Outside of coastal margins or riparian margins.</b></li> </ul>
All Zones	1. Activity status: <b>Permitted</b>
<b>INF-NG-R61</b>	<p><b>Upgrading of existing National Grid infrastructure <u>(that are not regulated by the NESETA)</u> within the coastal environment:</b></p> <ul style="list-style-type: none"> <li>• <b>Within high coastal natural character areas; or</b></li> <li>• <b>Within coastal or riparian margins.</b></li> </ul>
All Zones	<p>1. Activity status: <b>Restricted Discretionary</b></p> <p>Matters of discretion are:</p> <ol style="list-style-type: none"> <li>1. The matters in INF-NG-P671.</li> </ol>
<b>INF-NG-R62</b>	<p><b>New National Grid (NG) infrastructure within the coastal environment:</b></p> <ul style="list-style-type: none"> <li>• <b>Outside of high coastal natural character areas; and</b></li> <li>• <b>Outside of coastal or riparian margins.</b></li> </ul>
All Zones	<p>1. Activity status: <del>Permitted</del> <b>Restricted Discretionary</b></p> <p><u>Matters of discretion are:</u></p> <ol style="list-style-type: none"> <li>1. <u>The matters in INF-NG-P62</u></li> </ol>
<b>INF-NG-R63</b>	<p><b>New National Grid (NG) infrastructure within the coastal environment:</b></p> <ul style="list-style-type: none"> <li>• <b>Within high coastal natural character areas; or</b></li> <li>• <b>Within coastal or riparian margins.</b></li> </ul>
All Zones	1. Activity status: <b>Discretionary</b>
<b>INF-NG-R64</b>	<p><b>Operation, maintenance and repair of existing National Grid (NG) infrastructure <u>(that are not regulated by the NESETA)</u> within outstanding natural features and outstanding landscapes, special amenity landscapes, or identified ridgelines and hilltops, <u>or significant natural areas</u> (including within the coastal environment)</b></p>
All Zones	1. Activity status: <b>Permitted</b>
<b>INF-NG-R65</b>	<p><b>Upgrading of existing National Grid (NG) infrastructure <u>(that are not regulated by the</u></b></p>

	<b>NESETA) within outstanding natural features and outstanding landscapes, special amenity landscapes, or identified ridgelines and hilltops, or significant natural areas</b>
All Zones	<p>1. Activity status: <b>Restricted Discretionary</b> Matters of discretion are:</p> <p>1. The matters in INF-NG-P672</p>
<b>INF-NG-R66</b>	<b><u>New National Grid (NG) infrastructure within outstanding natural features and outstanding landscapes, special amenity landscapes, or identified ridgelines and hilltops, or significant natural areas, outside the coastal environment</u></b>
All Zones	<p>1. Activity status: <b>Restricted Discretionary</b> <u>Matters of discretion are:</u></p> <p>1. The matters in INF-NG-P58 and INF-NG-P62</p>
<b>INF-NG-R67</b>	<b><u>New National Grid (NG) infrastructure within outstanding natural features and outstanding landscapes, special amenity landscapes, or identified ridgelines and hilltops, or significant natural areas, inside the coastal environment</u></b>
All Zones	1. Activity status: <b>Discretionary</b>

Standards	
INF-NG-S18	<b>Buildings, structures and activities in the National Grid Yard</b>
All Zones	<p>1. <del>All buildings and structures in the National Grid Yard must comply with the New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001) ISSN 01140663 under all transmission line and building operating conditions. The building or structure must have a minimum vertical clearance of 10m below the lowest point of a conductor under all transmission line and building operating conditions; or</del></p> <p>2. <del>Vehicle access to any National Grid support structure must be provided. Must meet the safe electrical clearance distances required by New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001) ISSN 01140663 under all transmission line and building operating conditions.</del></p> <p>3. The building or structure must be located at least 12m from the outer visible edge of a foundation of a National Grid transmission line tower or pole, except where it:</p> <ul style="list-style-type: none"> <li>a. Is a fence not exceeding 2.5m in height that is located at least: <ul style="list-style-type: none"> <li>i. 6m from the outer visible edge of a foundation of a National Grid transmission line tower; or</li> <li>ii. 5m from the outer visible edge of a foundation of a National Grid transmission line pole.</li> </ul> </li> <li>b. Is an artificial crop protection structure or crop support structure not exceeding 2.5m in height and located at least 8m</li> </ul>

	<p>from a National Grid transmission line pole that:</p> <ul style="list-style-type: none"> <li>i. Is removable or temporary to allow a clear working space of 12m from the pole for maintenance; and</li> <li>ii. Allows all weather access to the pole and a sufficient area for maintenance equipment, including a crane; or</li> <li>iii. Meets the requirements of clause 2.4.1 of New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001) ISSN 01140663.</li> </ul>	
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