

**Note:**

*This section introduced through Plan Change 26 is subject to changes proposed through Stage 4 of the District Plan Review. Plan Change 26 provisions subject to appeal are outlined in red.*

*Changes proposed through Stage 4 as notified are shown using ~~strikethrough~~ and underlining, changes proposed in s42A reports are shown using ~~double strikethrough~~ and double underlining, and are shaded as follows to indicate which variation proposes the deletion or amendment:*

**Variation 1 to PC26 – associated with Plan Change 28**

**Variation 2 to PC26 – associated with Plan Change 29**

**Variation 3 to PC26 – associated with Plan Change 30**

## Infrastructure

### Introduction

This chapter contains district-wide provisions relating to infrastructure.

Infrastructure is important for the community's well-being and how the community functions. There is a range of infrastructure located in the District, some of which supports the local community, while other infrastructure is important at a regional or national scale. Infrastructure often has a functional need or operational need to be in, or traverse, a particular location, but can have adverse effects on the environment, particularly in areas that have significant or outstanding natural values or mana whenua values. This chapter provides direction on how infrastructure is to be provided for to meet the needs of the community, while appropriately managing its adverse effects.

In relation to the National Grid, the District Plan must give effect to the National Policy Statement on Electricity Transmission. This includes a requirement to avoid, as far as reasonably practicable, reverse sensitivity effects on the electricity transmission network and to ensure that its operation, maintenance, upgrading, and development is not compromised. This chapter, along with the earthworks and subdivision chapters, contain provisions to give effect to this.

In addition to the provisions in this chapter, the provisions in Table 1 also apply to infrastructure. Beyond the provisions listed in Table 1, no other provisions in this plan apply to infrastructure, except where specified within the provisions of this chapter.

**Table 1**

| Topic                | Plan Provisions that Apply to Activities Managed in this Chapter  |
|----------------------|---|
| Strategic Directions | All provisions in the ATC, MW, NE and UFD chapters  |
| Contaminated Land    | All provisions in the Contaminated Land Chapter   |
| Natural Hazards      | Section 5 – Business Objective 4<br>Section 7 – Rural Objective 7, Rural Policies 7A & 7B<br>All provisions in Section 18 the Natural Hazards Chapter |
| Hazardous Substances | HAZS-O1 <sup>1</sup> , HAZS-O2, HAZS-P1, HAZS-P2, HAZS-R1, HAZS-R2  |

<sup>1</sup> Transpower (PC28.31.13)

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| Historic Heritage                        | All provisions in <a href="#">Section 11 – the Historic Heritage Chapter</a><br><a href="#">Protection</a>   |
| Notable Trees                            | All provisions in <a href="#">Section 11 – Heritage Protection</a> <a href="#">the Notable Trees Chapter</a>   |
| Sites and Areas of Significance to Māori | SASM-R5 and SASM-R6  |
| Ecosystems and Indigenous Biodiversity   | Section 19 – Ecosystems and Indigenous Biodiversity - Rules 1.1.1.1, 2.1.1 and 2.2.1 (relating to the National Grid) and the Objective and Policies but only insofar as they apply to the activities managed by Rules 1.1.1.1, 2.1.1 and 2.2.1               |
| Activities on the Surface of Water       | Section 7 - Rural Objective 8, Rural Policies 8A – 8H, and Rules 7A – Activities on or Within Waterbodies  |
| Lighting                                 | All provisions in the Light Chapter  |
| Noise                                    | <a href="#">Section 5 – Rules 1.3.1.b, 1.5.1, 1.6.1, 3.3.6.g, 3.5.1</a><br><a href="#">Section 6 – Rule 12</a><br><a href="#">Section 7 – Rules 15.1.1, 15.1.1h and 15.2.1</a><br><a href="#">Section 8 – Rule 1.7.7 All provisions in the Noise Chapter</a> |
| Signs                                    | <a href="#">All provisions in Section 12 – Signs and Aerial Distractions</a><br><a href="#">All provisions in the Signs Chapter</a>  |

The provisions in the earthworks chapter do not apply to earthworks ancillary to the infrastructure activities managed in this chapter (unless specified within the rules in this chapter), but do apply to the construction of new roads and access tracks associated with any infrastructure.

Activities which are managed in the Renewable Electricity Generation chapters are not subject to the provisions in the Infrastructure chapter.

## Objectives and Policies

| <b>Objectives</b>   |   |
|---|---|
| <b>INF-O1</b>   | <b>Infrastructure</b>   |
| Infrastructure is developed and maintained to meet the needs, and provide for the health, safety and wellbeing, of people and communities and is integrated with subdivision, land use and development. |   |
| <b>INF-O2</b>   | <b>Adverse Effects of Infrastructure</b>  |
|   | The adverse effects of infrastructure on the surrounding environment are managed according to the sensitivity of the environment and the functional needs or operational needs of the infrastructure.                   |
| <b>INF-O3</b>   | <b>Adverse Effects on Infrastructure</b>  |
|   | The efficient, effective and safe operation, maintenance, upgrading and development of regionally significant infrastructure and lifeline utility infrastructure is not constrained or compromised by other activities. |

| <b>Policies</b> |                                   |
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| <b>INF-P1</b>   | <b>Benefits of Infrastructure</b> |

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| Recognise the national, regional and local benefits of infrastructure to the economic, social, cultural and environmental wellbeing, and health and safety, of people and communities, and the functioning of the District and beyond, by providing for infrastructure throughout the District.  |   |
| <b>INF-P2</b>  | <b>Ongoing Use of Existing Infrastructure</b>   |
|  | Enable the operation, maintenance, replacement, reconstruction, and minor upgrades to, existing infrastructure. |
| <b>INF-P3</b>  | <b>Integration of Infrastructure</b>  |
| <p>Encourage:</p> <ol style="list-style-type: none"> <li>1. the coordination of infrastructure planning and delivery with land use, subdivision, development and urban growth;</li> <li>2. the co-location of <u>compatible</u> structures and facilities; and</li> <li>3. technological improvements and enhancements.</li> </ol>   |   |
| <b>INF-P4</b>  | <b>Managing Adverse Effects of Infrastructure</b>   |
| <p>Manage infrastructure, including ancillary earthworks, so that:</p> <ol style="list-style-type: none"> <li>1. its form, location and scale minimises adverse effects on the environment; <b>and</b></li> <li>2. it is compatible with the values and anticipated character of the surrounding environment; <b>and</b></li> <li>3. consideration is given to the extent that the management of the adverse effects of infrastructure in accordance with clauses 1. and 2. may be constrained by the operational needs and functional needs of the infrastructure.</li> </ol>   |   |
| <b>INF-P5</b>  | <b>Infrastructure in Sensitive or Significant Areas</b>   |
| <p>Avoid locating infrastructure in identified sensitive areas (outside the road reserve) or within an area of significant indigenous vegetation or significant habitat of indigenous fauna, unless:</p> <ol style="list-style-type: none"> <li>1. there is a functional or operational need for the infrastructure to be in that location;</li> <li>2. it is demonstrated through site, route or method selection, design measures and other management methods how significant adverse effects on the values of the sensitive or significant area have been avoided as far as practicable, and otherwise remedied or mitigated;</li> <li>3. where there are more than minor adverse effects that cannot be avoided, remedied or mitigated, regard is had to any offsetting or compensation; and</li> <li>4. Following application of 1. - 3. above, there are no significant adverse effects remaining, (except that this clause shall not apply to the National Grid).</li> </ol> |   |
| <b>INF-P6</b>  | <b>Infrastructure on Highly Productive Land</b>   |
| <p>Avoid locating infrastructure on Highly Productive Land, unless:</p> <ol style="list-style-type: none"> <li>1. it is small-scale and does not impact the productive capacity of the land; or</li> <li>2. it is regionally significant infrastructure or lifeline utility infrastructure and has a functional need or operational need to be located on the highly productive land; and</li> <li>3. for both 1. and 2. above, any actual loss or potential cumulative loss of the availability and productive capacity of highly productive land within the District is minimised or mitigated.</li> </ol>   |   |
| <b>INF-P7</b>  | <b>Infrastructure in Significant Indigenous Vegetation and Significant Habitats of Indigenous Fauna</b>         |
| <p>In addition to INF-P5, avoid new infrastructure (that is not the National Grid) that has adverse effects on the following, in an area of significant indigenous vegetation and significant habitats of indigenous fauna:</p> <ol style="list-style-type: none"> <li>1. loss of ecosystem representation and extent;</li> <li>2. disruption to sequences, mosaics, or ecosystem function;</li> <li>3. fragmentation of significant indigenous vegetation and significant habitats of indigenous fauna or the loss of buffers or connections within significant indigenous vegetation and significant habitats of indigenous fauna;</li> </ol>  |   |

4. a reduction in the function of the significant indigenous vegetation and significant habitats of indigenous fauna as a buffer or connection to other important habitats or ecosystems; and

5. a reduction in the population size or occupancy of Threatened or At Risk (declining) species that use significant indigenous vegetation and significant habitats of indigenous fauna for any part of their life cycle,

unless it is lifeline utility infrastructure or regionally significant infrastructure, in which case INF-P5 applies instead, where:

6. the infrastructure provides significant national or regional public benefits;
7. there is a functional need or operational need for the infrastructure to be in that particular location; and
8. there are no practicable alternative locations for the infrastructure outside of an area of significant indigenous vegetation and significant habitats of indigenous fauna.

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| <b>INF-P8</b> | <b>Radiofrequency, Electric and Magnetic Fields</b> |
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Require compliance with national environmental standards or other nationally recognised standards or guidelines to manage the potential adverse effects of radiofrequency, electric and magnetic fields.

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| <b>INF-P9</b> | <b>Managing Activities in the National Grid Yard</b> |
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Within the National Grid yard, avoid sensitive activities, and avoid earthworks, buildings and structures that may compromise the safe, effective and efficient operation, maintenance, upgrading and development of the National Grid, or constrain access to it.

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| <b>INF-P10</b> | <b>Managing Activities in the Electricity Distribution Corridor</b> |
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Manage activities in the Electricity Distribution Corridor to ensure they do not compromise the safe, effective and efficient operation, maintenance, upgrading and development, or unduly constrain access to, the electricity distribution network.

## Rules

### Notes for Plan Users:

1. *Activities must also comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances NZECP 34:2001 and the Electricity (Hazards from Trees) Regulations 2003.*
2. *Notwithstanding the rules in the District Plan:*
  - *the Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 apply to the operation, maintenance, upgrading, relocation or removal of National Grid transmission lines that were operating or able to be operated on, or prior to, 14 January 2010 and remain part of the National Grid.*
  - *the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2016 apply to a range of telecommunications infrastructure.*
3. *The rules in this chapter do not apply to activities which are managed through the rules in the Transport chapter.*

### Existing Infrastructure

|                  |  |   |
|------------------|--|---|
| <b>INF-R1</b>    | <b>Operation, Maintenance or Removal of Existing Infrastructure, Including Access Tracks</b> |   |
| <b>All Zones</b> | <b>Activity Status: PER</b>  | <b>Activity status when compliance is not achieved: N/A</b> |
| <b>INF-R2</b>    | <b>Upgrading of Above Ground Infrastructure</b>  |   |

| All Zones | Activity Status: PER   | Activity status when compliance is not achieved with R2.1 – R2.10: RDIS  |
|-----------|--|--|
|           | <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The realignment, reconfiguration, relocation or replacement of a line, pipe, pole, tower, cross arms, switch, transformers, cabinet or accessory structure shall be within 5m of the existing alignment or location.</li> <li>2. A pole is not replaced with a tower.</li> <li>3. The height of any replacement pole or tower does not exceed the greater of:           <ol style="list-style-type: none"> <li>a. the height of the existing pole or tower; or</li> <li>b. the height set out in INF-S3.</li> </ol> </li> <li>4. The diameter or width of a replacement pole:           <ol style="list-style-type: none"> <li>a. Must not exceed twice that of the replaced pole at its widest point; or</li> <li>b. Where a single pole is replaced with a pi pole, the width of the pi pole structure must not exceed three times the width of the replaced pole at its widest point.</li> </ol> </li> <li>5. The footprint of a replacement tower shall not exceed the width of the tower by more than 25%.</li> <li>6. Additional lines must not exceed a 50mm diameter.</li> <li>7. The replacement of a line shall not exceed the diameter of the replaced line, or 50mm, whichever is the greater.</li> <li>8. Additional cross arms must not exceed the length of the existing cross arm by more than 100%, up to a maximum of 4m.</li> <li>9. A replacement panel antenna must not increase the face area by more than 20%.</li> <li>10. A replacement dish antenna must not increase in diameter by more than 20%.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S2</p> | <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |

| INF-R3    | Minor Upgrade in Relation to Opuha Dam   |   |
|-----------|--|---|
| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The upgrading relates to machinery, buildings, plant, structures, facilities, works or components of the Opuha Dam.</li> <li>2. The upgrade does not increase the footprint of any machinery, buildings, plant, structures, facilities, works or components of the Opuha Dam by more than 25%, or 50m<sup>2</sup>, whichever is the lesser.</li> <li>3. Any upgrade does not increase the overall maximum operating level of the lake.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S2, INF-S5</p> | <p><b>Activity status when compliance is not achieved with R3.2: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure<br/>SASM-MD1 Activities in a SASM</p> <p><b>Activity status when compliance is not achieved with R3.1 or R3.3: DIS</b></p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |

## All Infrastructure

| INF-R4    | Temporary Infrastructure   |   |
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| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The temporary infrastructure is located on a site for no more than 12 months and is removed from the site when the works or activity for which the temporary infrastructure is required is complete.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S2, INF-S5</p> | <p><b>Activity status when compliance is not achieved with R4.1: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li>a. The necessity for a longer timeframe.</li> <li>b. The adverse effects, including cumulative adverse effects, of the temporary infrastructure on the anticipated character and amenity values of the surrounding environment.</li> </ol> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |
| INF-R5    | Navigational Aids, Meteorological, Sensing and Environmental Monitoring Equipment (including air quality and meteorological)   |   |
| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. Any structure does not exceed 5m above the height limit otherwise applying in the zone, precinct or overlay in which the building is</li> </ol>  | <p><b>Activity status when compliance is not achieved with R5.1: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p>   |

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|           | <p>located and 6m<sup>2</sup> in footprint, but excluding any lightning rods, antennas, earth peak or GPS unit and their associated mounting structures; or</p> <p>2. Where the equipment is attached to a pole, tower or other support structure, it complies with INF-S3.</p> <p><b>And the activity complies with the following standards:</b><br/>INF-S2, INF-S5</p>   | <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p>  |
| INF-R6    | <p><b>Any Infrastructure Buildings or Structure, or Accessory Building to Infrastructure Not Otherwise Listed</b></p>  |   |
| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. Any building or structure does not exceed:           <ol style="list-style-type: none"> <li>a. 50m<sup>2</sup> in gross floor area; and</li> <li>b. 4m in height in any residential or rural lifestyle zone; or</li> <li>c. In other zones the height limit otherwise applying in the zone, precinct or overlay in which the building is located.</li> </ol> </li> <li>2. Buildings more than 10m<sup>2</sup> in gross floor area or over 3.5m in height are set back:           <ol style="list-style-type: none"> <li>a. from the road boundary by a distance of not less than half the height of the structure; and</li> <li>b. from any internal boundary with a residential zone by a distance of not less than half the height of the structure.</li> </ol> </li> <li>3. Any building or structure located in an ONF or ONL must be finished in materials with a maximum reflectance value of 30%.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S1, INF-S2, INF-S3, INF-S5</p> | <p><b>Activity status when compliance is not achieved with R6.1 or R6.2: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> <p>Where compliance is not achieved with R6.1.a or R6.1.c, and the activity is located within an area identified in SASM-SCHED1, SCHED-2 or SCHED-4, SASM-MD1 Activities in a SASM</p> <p><b>Activity status when compliance is not achieved with R6.3: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD2 Reflectivity</p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |
| INF-R7    | <p><b>Below Ground Infrastructure</b></p>  |   |
| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where the activity complies with the following standards:</b><br/>INF-S1, INF-S5, EW-S4</p>   | <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p>  |
| INF-R8    | <p><b>New Lines and Associated Support Structures Including Towers and Poles</b></p>   |   |

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| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. Where located within a Residential, Rural Lifestyle, Open Space, Commercial and Mixed Use, Industrial, <u>Pūkaki Downs Special Purpose Zone</u><sup>2</sup> or <u>Pūkaki Village Special Purpose Zone</u>:           <ol style="list-style-type: none"> <li>a. any new lines must be located underground; or</li> <li>b. any extension to an existing overhead line must involve no more than three additional support structures.</li> </ol> </li> <li>2. Any new lines, or any extension to an existing overhead line of more than three additional support structures, is not located within an ONL or ONF.</li> </ol> <p><b>Where the activity complies with the following standards:</b><br/>INF-S1, INF-S2, INF-S3, INF-S5</p> | <p><b>Activity status when compliance is not achieved with R8.1: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li>a. The bulk, height, location and design of the lines and associated structures.</li> <li>b. The visibility of the lines and support structures and their compatibility with the amenity values of the respective zone, overlay or precinct and the extent to which any adverse visual amenity effects can be avoided, remedied or mitigated.</li> </ol> <p><b>Activity status when compliance is not achieved with R8.2: RDIS</b></p> <ol style="list-style-type: none"> <li>a. Whether there is a demonstrated functional need or operational need for the location of the activity.</li> <li>b. The extent to which adverse effects on the values of the ONL or ONF have been avoided as far as practicable through the proposal.</li> <li>c. The appropriateness of measures to remedy or mitigate adverse effects that cannot be avoided.</li> <li>d. The effectiveness of any proposed offsetting or compensation measures.</li> <li>e. The functional needs and operational needs of the activity.</li> <li>f. The benefits of the activity.</li> </ol> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |
| INF-R9    | <p><b>Reservoirs Containing less than 22,700 litres, Wells and Supply Intakes for the Reticulation or Provision of a Water Supply</b></p>  |   |
| All Zones | <p><b>Activity Status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The activity is not located within an area identified in SASM-SCHED3.</li> </ol>   | <p><b>Activity status when compliance is not achieved with R9.1: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>SASM-MD1 Activities in a SASM</p>  |

<sup>2</sup> PTHL and PVHL (PC30.01.20)

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|                 | <b>Where the activity complies with the following standards:</b><br>INF-S1, INF-S5, EW-S4   | <b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).   |
| <b>INF-R10</b>  | <b>Irrigation and Stock Water Races, Open Drains and Channels</b>   |   |
| All Zones       | <b>Activity Status:</b> PER<br><br><b>Where:</b><br>1. The activity is not located within an area identified in SASM-SCHED3.<br><br><b>Where the activity complies with the following standards:</b><br>INF-S1, INF-S5, EW-S4 | <b>Activity status when compliance is not achieved with R9.1: RDIS</b><br><br><b>Matters of discretion are restricted to:</b><br>SASM-MD1 Activities in a SASM<br><br><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s). |
| <b>INF-R10A</b> | <b>Infrastructure Located Entirely Within an Existing Building</b>  |   |
| All Zones       | <b>Activity Status:</b> PER   |   |
| <b>INF-R11</b>  | <b>Any Infrastructure not Otherwise Listed</b>  |   |
| All Zones       | <b>Activity Status:</b> DIS   |   |

## Telecommunications

| INF-R12        | <b>Customer Connections</b>  |   |
|----------------|--|---|
| All Zones      | <b>Activity Status: PER</b>  | <b>Activity status when compliance is not achieved: N/A</b>   |
| <b>INF-R13</b> | <b>Telecommunications (not regulated under NESTF)</b>  |   |
| All Zones      | <b>Activity Status: PER</b><br><br><b>Where:</b> <ol style="list-style-type: none"> <li>1. any panel antenna:             <ol style="list-style-type: none"> <li>a. does not exceed a width of 0.7m; and</li> <li>b. where located in a road reserve, fits within an envelope of 3.5m in length and 0.7m in width;</li> </ol> </li> <li>2. any dish antenna does not exceed a diameter of 1.2m in a residential zone or 3m in any other zone;</li> <li>3. any omni directional 'whip' or dipole antenna does not exceed:             <ol style="list-style-type: none"> <li>a. 1.6m in vertical length;</li> <li>b. 60mm in diameter; and</li> <li>c. 1.5m in horizontal length;</li> </ol> </li> <li>4. any headframe does not exceed:             <ol style="list-style-type: none"> <li>a. 2.5m in diameter in Residential Zones outside the road reserve;</li> <li>b. the dimensions set out in 1(b) above in Residential Zones within the road reserve; or</li> <li>c. 6m in diameter in all other zones;</li> </ol> </li> <li>5. any antenna attached to a building does not exceed a height of 5m above the point it is attached to the building;</li> <li>6. any telecommunications cabinet does not exceed a footprint of 2.5m<sup>2</sup> or a height above ground level of 2m;</li> <li>7. any group of telecommunications cabinets does not exceed a footprint of 3m<sup>2</sup>; and</li> <li>8. Any pole or telecommunications cabinet located in an ONF or ONL must be finished in materials</li> </ol> | <b>Activity status when compliance is not achieved with R13.1-R13.7: RDIS</b><br><br><b>Matters of discretion are restricted to:</b><br>INF-MD1 Scale, Location and Design of Infrastructure<br><br><b>Activity status when compliance is not achieved with R13.8: RDIS</b><br><br><b>Matters of discretion are restricted to:</b><br>INF-MD2 Reflectivity<br><br><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s). |

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|                  | <p>with a maximum reflectance value of 30%.</p> <p><b>And the activity complies with the following standards:</b><br/>INF-S1, INF-S2, INF-S3, INF-S5</p>   |  |
| <b>INF-R14</b>   | <p><b>Telecommunications regulated under NESTF, but which do not meet the permitted activity standards in Regulations 27, 29, 31, 33 or 35 of the NESTF</b></p>  |  |
| <b>All Zones</b> | <p><b>Activity Status: CON</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. for panel antenna a width of 0.8m is not exceeded;</li> <li>2. for dish antenna, the antenna does not exceed a diameter of:           <ol style="list-style-type: none"> <li>a. 1.2m in a residential zone; or</li> <li>b. 3m in all other zones.</li> </ol> </li> <li>3. Any pole or telecommunications cabinet located in an ONF or ONL must be finished in materials with a maximum reflectance value of 30%.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S1, INF-S2, INF-S3, INF-S5</p> <p><b>Matters over which control are reserved:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> | <p><b>Activity status when compliance is not achieved with R14.1 – 14.2 RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> <p><b>Activity status when compliance is not achieved with R14.3: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD2 Reflectivity</p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |
| <b>INF-R15</b>   | <p><b>Antenna attached to a building and regulated under NESTF, but which do not meet the permitted activity standards in Regulations 37 of the NESTF</b></p>  |  |
| <b>All Zones</b> | <p><b>Activity Status: CON</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. any panel antenna does not exceed a maximum face area of 2m<sup>2</sup>;</li> <li>2. any antenna attached to a building does not exceed a height of 5m above the point it is attached to the building.</li> </ol> <p><b>Matters over which control are reserved:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p>  | <p><b>Activity status when compliance is not achieved with R15.1 or R15.2: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p>   |

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| INF-R16   | Telecommunication cabinets regulated under NESTF, but which do not meet the permitted activity standards in Regulations 20, 21 or 22 of the NESTF   |   |
| All Zones | <b>Activity Status: CON</b> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>any cabinet does not exceed a footprint of 2.5m<sup>2</sup> or a height above ground level of 2m; or</li> <li>a group of telecommunications cabinets do not exceed a footprint of 3m<sup>2</sup>.</li> <li>Any telecommunications cabinet(s) located in an ONF or ONL must be finished in materials with a maximum reflectance value of 30%.</li> </ol> <p><b>Matters over which control are reserved:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> | <b>Activity status when compliance is not achieved with R16.1 – 16.2 RDIS</b> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure</p> <p><b>Activity status when compliance is not achieved with R16.3: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD2 Reflectivity</p> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |

### Activities in the National Grid Yard

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| INF-R17   | Accessory Buildings to any Sensitive Activity within the National Grid Yard   |   |
| All Zones | <b>Activity Status: PER</b> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>The accessory building does not include a habitable room (e.g. a sleepout);</li> <li>The accessory building is located more than 12m from a <u>N</u>ational <u>G</u>rid support structure; and</li> <li>The accessory building is no more than 2.5m in height and no more than 10m<sup>2</sup> in area.</li> </ol> <p><b>And the activity complies with the following standards:</b><br/>INF-S4</p> | <b>Activity Status where compliance not achieved with R17.1 – 17.3: NC</b> <p><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).</p> |
| INF-R18   | Network Utility Operation, Infrastructure and Electricity Generation that Connects to the National Grid within the National Grid Yard   |   |
| All Zones | <b>Activity Status: PER</b> <p><b>Where the activity complies with the following standards:</b><br/>INF-S4</p>  | <b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s).   |

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| INF-R19 | Fences within the National Grid Yard |
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| All Zones | <b>Activity Status: PER</b><br><br><b>Where:</b><br>1. The fence is located at least 5m from a National Grid pole, or 6m from a National Grid tower.<br><br><b>And the activity complies with the following standards:</b><br>INF-S4   | <b>Activity Status where compliance not achieved with R19.1: NC</b><br><br><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s). |
| INF-R20   | <b>Ancillary Stockyards and Platforms, Including those Associated with Milking Sheds within the National Grid Yard</b>   |  |
| All Zones | <b>Activity Status: PER</b><br><br><b>Where:</b><br>1. The stockyard or platform is located more than 12m from a National Grid support structure.<br><br><b>And the activity complies with the following standards:</b><br>INF-S4  | <b>Activity Status where compliance not achieved with R20.1: NC</b><br><br><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s). |
| INF-R21   | <b>Uninhabited Farm and Horticultural Buildings and Structures within the National Grid Yard</b>   |  |
| All Zones | <b>Activity Status: PER</b><br><br><b>Where:</b><br>1. The building or structure is located more than 12m from a National Grid support structure.<br><br><b>And the activity complies with the following standards:</b><br>INF-S4  | <b>Activity Status where compliance not achieved with R21.1: NC</b><br><br><b>Activity status when compliance with standard(s) is not achieved:</b> Refer to relevant standard(s). |
| INF-R22   | <b>Artificial Crop Protection Structures or Crop Support Structures within the National Grid Yard</b>  |  |
| All Zones | <b>Activity Status: PER</b><br><br><b>Where:</b> <ol style="list-style-type: none"> <li>The structure does not exceed 2.5m in height; and</li> <li>The structure is located at least 8m from a National Grid transmission line pi-pole and 12m from any other National Grid support structure; and</li> <li>The structure is removable or temporary to allow a clear working space of 12m from the pi-pole for maintenance; and</li> </ol> | <b>Activity Status where compliance not achieved with R22.1: NC</b>  |

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|           | <p>4. All weather access and a sufficient area for maintenance equipment, including a crane, is provided to the transmission line pi-pole.</p> <p><b>And the activity complies with the following standards:</b><br/>INF-S4</p>                                 |   |
| INF-R23   | <b>Alterations and Additions to an Existing Building or Structure for a Sensitive Activity within the National Grid Yard</b>  |   |
| All Zones | <b>Activity Status:</b> PER<br><br><b>Where:</b><br>1. The alteration or addition does not result in an increase in the building height or footprint.   | <b>Activity Status where compliance not achieved with R23.1:</b> NC |
| INF-R24   | <b>New Sensitive Activities (including the use of an existing building for a new Sensitive Activity), within the National Grid Yard</b>   |   |
| All Zones | <b>Activity Status:</b> NC  |   |
| INF-R25   | <b>Wintering barns, commercial greenhouses, immovable protective canopies, produce packing facilities and milking sheds within the National Grid Yard</b>   |   |
| All Zones | <b>Activity Status:</b> NC  |   |
| INF-R26   | <b>Buildings or structures for the handling or storage of hazardous substances with explosive or flammable intrinsic properties within the National Grid Yard, excluding the accessory use and storage of hazardous substances in domestic scale quantities</b> |   |
| All Zones | <b>Activity Status:</b> NC  |   |
| INF-R27   | <b>Any Other Activity, Building or Structure within the National Grid Yard Not Otherwise Listed</b>   |   |
| All Zones | <b>Activity Status:</b> NC  |   |

## Activities in the Electricity Distribution Corridor

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| INF-R28   | Alterations and Additions to an Existing Building or Structure within the Electricity Distribution Corridor  |   |
| All Zones | <b>Activity Status: PER</b> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The alteration or addition does not result in an increase in the building height or footprint.</li> </ol>   | <b>Activity status when compliance is not achieved with R28.1: RDIS</b> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD3 Activities in the Electricity Distribution Corridor</p> <p><b>Advice Note:</b> <i>Any application arising from this rule shall not be subject to public notification but may be limited notified only to the relevant electricity distribution line operator, unless their written approval is provided.</i></p> |
| INF-R29   | Fences within the Electricity Distribution Corridor  |   |
| All Zones | <b>Activity Status: PER</b> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. The fence does not exceed 2.5m in height.</li> </ol>  | <b>Activity status when compliance is not achieved with R29.1: RDIS</b> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD3 Activities in the Electricity Distribution Corridor</p> <p><b>Advice Note:</b> <i>Any application arising from this rule shall not be subject to public notification but may be limited notified only to the relevant electricity distribution line operator, unless their written approval is provided.</i></p> |
| INF-R30   | Buildings (excluding accessory buildings), Sensitive Activities, or the use of an existing building for a new sensitive activity, within the Electricity Distribution Corridor   |   |
| All Zones | <b>Activity Status: RDIS</b> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD3 Activities in the Electricity Distribution Corridor</p> <p><b>Advice Note:</b> <i>Any application arising from this rule shall not be subject to public notification but may be limited notified only to the relevant electricity distribution line operator, unless their written approval is provided.</i></p> |   |
| INF-R31   | The storage of hazardous substances with explosive or flammable intrinsic properties within the Electricity Distribution Corridor, excluding the accessory use and storage of hazardous substances in domestic scale quantities  |   |
| All Zones | <b>Activity Status: RDIS</b>   |   |

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|  | <p><b>Matters of discretion are restricted to:</b><br/>       INF-MD3 Activities in the Electricity Distribution Corridor</p> <p><b>Advice Note:</b> <i>Any application arising from this rule shall not be subject to public notification but may be limited notified only to the relevant electricity distribution line operator, unless their written approval is provided.</i></p> |  |
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## Standards

| INF-S1    | Sensitive Areas  | Activity Status where compliance not achieved:   |
|-----------|--|--|
| All Zones | 1. Unless located within road reserve, the infrastructure is located outside of any sensitive area.  | <p><b>RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li>Whether there is a demonstrated functional need or operational need for the location of the activity.</li> <li>The extent to which adverse effects on the values of the sensitive area have been avoided as far as practicable through the proposal.</li> <li>The appropriateness of measures to remedy or mitigate adverse effects that cannot be avoided.</li> <li>The effectiveness of any proposed offsetting or compensation measures.</li> <li>The benefits of the activity.</li> </ol> |
| INF-S2    | Radiofrequency, Electric and Magnetic Fields   | Activity Status where compliance not achieved:   |
| All Zones | <ol style="list-style-type: none"> <li>Any infrastructure involving radiofrequency fields must not exceed the levels specified in NZS 2772:1999 'Radiofrequency Fields – Maximum exposure levels – 3kHz to 300 GHz.'</li> <li>Any infrastructure that emits electric and magnetic fields must comply with the International Commission on Non-ionising Radiation Protection Guidelines for limiting exposure to time-varying electric</li> </ol> | NC   |

|                  |   |  |
|------------------|---|--|
|                  | and magnetic fields (1 Hz – 100 Hz),<br>Health Physics 99(6):818-836; 2010.   |  |
| <b>INF-S3</b>    | <b>Pole and Tower Height</b>  | <b>Activity Status where compliance not achieved:</b>  |
| <b>All Zones</b> | <p>1. The height of any pole, tower or other support structure shall not exceed:</p> <ul style="list-style-type: none"> <li>a. 5m above the permitted height limit in any residential, Neighbourhood Centre or Mixed Use zone.</li> <li>b. 25m in any industrial or Rural Lifestyle Zone.</li> <li>ba. 35m in any General Rural Zone outside an ONF or ONL.</li> <li>c. 20m in any General Rural Zone within an ONF or ONL.</li> <li>d. 20m in any other zone.</li> <li>e. 5m above any limit specified in a.–d. above, where two or more telecommunication network operators are utilising the same pole or tower.</li> </ul> <p>Except that 1. above does not apply to any lightning rods, GPS antennas, and their associated mounting structures, where these do not exceed the maximum height in 1. above by 3.5m.</p> <p>2. Any panel or dish antenna attached to a pole, tower or other support structure shall not exceed:</p> <ul style="list-style-type: none"> <li>a. the heights specified for each zone in INF-S3(1) above.</li> <li>b. A width of 700mm for any panel antenna.</li> <li>c. 1.2m in diameter for a dish antenna.</li> </ul> | <b>RDIS</b> <p><b>Matters of discretion are restricted to:</b><br/>INF-MD1 Scale, Location and Design of Infrastructure<br/>Where located within a site identified in SASM-SCHED1, SASM-MD1 Activities in a SASM</p> |

| INF-S4    | National Grid Yard  | Activity Status where compliance not achieved:  |
|-----------|---|---|
| All Zones | <ol style="list-style-type: none"> <li>1. Any buildings or structures in the National Grid yard must comply with the New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP34:2001).</li> <li>2. Any building, structure or activity within the National Grid yard must not permanently physically impede vehicular access to a National Grid support structure.</li> </ol> | NC  |
| INF-S5    | Indigenous Vegetation Clearance   | <b>Activity Status where compliance not achieved:</b><br><b>All Zones</b> <ol style="list-style-type: none"> <li>1. The activity does not involve the clearance of any indigenous vegetation.</li> </ol> <b>RDIS</b><br><b>Matters of discretion are restricted to:</b> <ol style="list-style-type: none"> <li>a. Whether there is a demonstrated functional or operational need for the location of the activity.</li> <li>b. The extent to which adverse effects on the values of the indigenous vegetation have been avoided as far as practicable through the proposal.</li> <li>c. The appropriateness of measures to remedy or mitigate adverse effects on indigenous vegetation that cannot be avoided.</li> <li>d. Any proposed offsetting that accords with the principles set out in Appendix 3 to the National Policy Statement for Indigenous Biodiversity 2023.</li> <li>e. Any proposed biodiversity compensation that accords with the principles set out in Appendix 4 to the National Policy Statement for Indigenous Biodiversity 2023.</li> <li>g. The location of existing electricity generation and distribution infrastructure and the extent to which the proposal contributes to its efficient use.</li> </ol> |

### Matters of Control or Discretion

#### INF-MD1 Scale, Location and Design of Infrastructure

- a. The purpose of, and necessity for, any breach in the height or size limits.
- b. The potential impact on the levels of service or health and safety if the activity is not undertaken.

- c. Any functional needs and operational needs of the infrastructure.
- d. The bulk, height, location and design of the infrastructure, including any associated buildings or structures
- e. The amenity values of the respective zone, overlay or precinct and the extent to which any adverse visual amenity effects can be avoided, remedied or mitigated.
- f. The location of infrastructure, including the need for connections to existing networks and services.
- g. The benefits of the infrastructure proposed.

**INF-MD2 Reflectivity**

- a. The visual effects of the proposal on the values of the ONF/ONL.
- b. The functional needs and operational needs of the activity.
- c. The benefits of the infrastructure proposed.

**INF-MD3 Activities in the Electricity Distribution Corridor**

- a. The extent to which the activity complies with the safe distance requirements of the New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001).
- b. Adverse effects or risks on the on-going efficient operation, maintenance, development and upgrade of the electricity distribution network.
- c. The provision of continued reasonable access to existing distribution lines and support structures for maintenance, inspections and upgrading.
- d. The outcome of any consultation with, and technical advice from the relevant electricity distribution line operator.