

THIS SECTION HAS RULES THAT HAVE LEGAL EFFECT. PLEASE CHECK THE EPLAN TO SEE WHAT THE LEGAL EFFECT IS OR SUBJECT TO APPEAL.

## El - Pūngao me te hanganga hapori - Energy and Infrastructure

### Introduction

The term 'infrastructure' is defined in section 2 of the RMA. The RPS defines the terms 'critical infrastructure', 'strategic infrastructure', and 'regionally significant infrastructure'. There is considerable overlap in the types of infrastructure covered by these terms. Infrastructure may be provided by network utilities, or by entities other than network utilities, including the private provision of and connection to infrastructure. Critical, strategic, and regionally significant infrastructure and network utilities are recognised through provisions within this chapter which acknowledge their important function and service to the community.<sup>1</sup>

Some types of infrastructure are addressed within other parts of the District Plan, as follows:

- District wide provisions relating to transport are contained in the Transport Chapter, which also forms part of Part 2 – District Wide Matters - Energy, Infrastructure and Transport;
- Rangiora Airfield is provided for by designations, which contain conditions, and the District wide Transport and Noise chapters also contain provisions relating to the Airfield;
- The existing Rangiora hospital and Oxford hospital and ancillary health related activities on those hospital sites are provided for under the Special Purpose Zone (Hospital);
- An emergency service facility, or a health related activity located outside of the existing Rangiora and ~~Kaiapoi-Oxford~~<sup>2</sup> hospital sites, are subject to the provisions of the relevant zone in which they are located.

This chapter contains provisions for other types of infrastructure, and is consistent with Part 2 - District Wide Matters- Strategic Directions, NESETA, NESF and the NESTF. It also gives effect to the matters in Part 2 - District Wide Matters - Urban Form and Development, NPSET, NZCPS, NPSFM and the NPSREG.

### Other potentially relevant District Plan provisions

~~As well as the provisions in this chapter, other District Plan chapters that contain provisions that may also be relevant to Energy and Infrastructure include:~~

- ~~• Transport: the Transport rules apply to all activities and activities are subject to compliance with all relevant Transport rules. The application of the transport provisions is discussed further in the Transport rules.~~
- ~~• Natural Hazards: this chapter contains provisions that may be relevant to managing the risk to energy and infrastructure from natural hazards.~~
- ~~• Historic Heritage: this chapter contains provisions relevant to protecting places with heritage values, such as historic heritage buildings or other structures or their heritage settings.~~
- ~~• Notable Trees: this chapter contains provisions relevant to matters such as protecting the root protection area or the trimming or removal of notable trees.~~
- ~~• Sites and Areas of Significance to Māori: this chapter contains provisions relevant to protecting SASM from adverse effects.~~
- ~~• Ecosystems and Indigenous Biodiversity: this chapter contains provisions that control SNAs and the clearance of areas of indigenous vegetation across the District.~~

<sup>1</sup> CIAL [254.25]. El Reply Report.

<sup>2</sup> Clause 16(2). El Reply Report. Note the addition of 'Oxford' is omitted from the Reply report.

- ~~Natural Character of Freshwater Bodies: this chapter contains provisions regarding activities within natural character of scheduled freshwater bodies setbacks.~~
- ~~Natural Features and Landscapes: this chapter contains provisions for activities within ONL, ONF, and SAL.~~
- ~~Subdivision: this chapter contains provisions that may be relevant to subdivision for energy and infrastructure.~~
- ~~Earthworks: this chapter contains provisions that may be relevant to earthworks for energy and infrastructure such as volume, depth and location.~~
- ~~Any other District wide matter that may affect or relate to the site.~~
- ~~Zones: the zone chapters contain provisions about what activities are anticipated to occur in the zones.<sup>3</sup>~~

<b>Objectives</b>	
<b>EI-O1</b>	<p><b>Provision of energy and infrastructure</b> Across the District:</p> <ol style="list-style-type: none"> <li>1. efficient, effective, resilient, safe and sustainable energy and infrastructure, including critical infrastructure, strategic infrastructure and regionally significant infrastructure, is developed and maintained to benefit the social, economic, cultural and environmental well-being of the District, <u>region and nation</u>,<sup>4</sup> including in response to future <u>functional need or operational need and increased sustainability</u><sup>5</sup> <del>needs such as increased sustainability, and changing techniques and technology;</del><sup>6</sup></li> <li>2. there is increased renewable energy for national, regional and local use; and</li> <li>3. there is greater renewable electricity generation, including small scale or community scale renewable electricity generation, with generation surplus able to be supplied to the electricity distribution network.</li> </ol>
<b>EI-O2</b>	<p><b>Adverse effects of energy and infrastructure</b> Adverse effects of energy and infrastructure on the qualities and characteristics of surrounding environments and community well-being are avoided, remedied or mitigated, <u>while taking into account their operational need or functional need</u><sup>7</sup>.</p>
<b>EI-O3</b>	<p><b>Effects of other activities and development on energy and infrastructure</b> The safe, efficient and effective operation, maintenance, repair, <u>renewal</u>,<sup>8</sup> upgrading and development of energy and infrastructure is not constrained or compromised by <u>incompatible</u><sup>9</sup> activities and development, including by reverse sensitivity effects.</p>
<b>Policies</b>	
<b>EI-P1</b>	<p><b>Recognising the benefits of, and providing for, energy and infrastructure</b> Recognise the local, regional or national benefits of energy and infrastructure through:</p> <ol style="list-style-type: none"> <li>1. enabling the operation, maintenance, repair, renewal, removal and minor upgrade of energy and infrastructure;</li> <li>2. providing for more than minor or significant upgrades to existing, and the development of new, energy and infrastructure;</li> <li>3. providing for energy and infrastructure that serves as a lifeline utility during an emergency, including critical infrastructure, strategic infrastructure and regionally</li> </ol>

<sup>3</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>4</sup> Transpower New Zealand [195.24]. EI Reply Report.

<sup>5</sup> MainPower [249.52]. EI Reply Report.

<sup>6</sup> Transpower New Zealand [195.24]. EI Reply Report.

<sup>7</sup> MainPower [249.53], CIAL [254.27] and Waka Kotahi [275.12]. EI Reply Report.

<sup>8</sup> Federated Farmers [414.68]. EI Reply Report.

<sup>9</sup> MainPower [249.54], CIAL [254.28]. EI Reply Report.

	<p>significant infrastructure;</p> <ol style="list-style-type: none"> <li>4. providing for the effective, safe, secure and efficient electricity transmission, including on the National Grid, electricity distribution, and supply of fuel and energy;</li> <li>5. providing for the effective, reliable and future-proofed communication networks and services;</li> <li>6. providing for the effective, resilient, efficient and safe water supply, wastewater system and stormwater infrastructure; and community scale irrigation/stockwater;</li> <li>7. enabling energy and infrastructure that has a particular focus on the utilisation of renewable resources and which contribute to sustainable use of natural and physical resources;</li> <li>8. enabling feasibility investigations into renewable energy including for renewable electricity generation;</li> <li>9. providing for renewable energy and renewable electricity generation including small scale or community scale renewable electricity generation; and</li> <li>10. the provision of an adequate supply of water for firefighting in accordance with SNZ PAS 4509:2008 New Zealand Fire Service Firefighting Water Supplies Code of Practice.</li> </ol>
<p><b>EI-P2</b></p>	<p><b>Availability, provision and adequacy of, and connection to, energy and infrastructure</b>          Across the District:</p> <ol style="list-style-type: none"> <li>1. to benefit the social, economic, cultural and environmental well-being of the District:             <ol style="list-style-type: none"> <li>a. ensure land use and development is coordinated with, and to the extent considered reasonably practicable, connected to and adequately serviced by energy and infrastructure, if available, including electricity, water supply, wastewater system and stormwater infrastructure; and</li> <li>b. ensure that connectivity to communications infrastructure can be achieved; and</li> </ol> </li> <li>2. where a public reticulated water supply or wastewater system is not available, adequate on site systems shall be installed consistent with maintaining public health and avoiding or mitigating adverse effects on the environment, while discouraging small scale stand alone systems.</li> </ol>
<p><b>EI-P3</b></p>	<p><b>New technologies and techniques</b>          Provide flexibility for energy and infrastructure to adopt new technologies and techniques that:</p> <ol style="list-style-type: none"> <li>1. improve access to, and efficient use of, networks and services;</li> <li>2. allow for the re-use of redundant services and structures;</li> <li>3. increase resilience, safety or reliability of networks and services; and</li> <li>4. result in environmental benefits and enhancements.</li> </ol>
<p><b>EI-P4</b></p>	<p><b>Environmentally sustainable outcomes</b>  <del>Seek more</del> <u>Encourage</u><sup>10</sup> environmentally sustainable outcomes associated with energy and infrastructure, <u>where possible</u>,<sup>11</sup> including by <del>promoting</del><sup>12</sup>:</p> <ol style="list-style-type: none"> <li>1. the use of green infrastructure;</li> <li>2. the increased utilisation of renewable resources;</li> <li>3. the use of low impact approaches (such as in site, route or structure selection or construction methodology);</li> <li>4. using low carbon materials in construction;</li> <li>5. changing the way activities that generate high greenhouse gas emissions are</li> </ol>

<sup>10</sup> Kainga Ora [325.25]. EI Reply Report.

<sup>11</sup> Kainga Ora [325.25]. EI Reply Report.

<sup>12</sup> ECAN [316.20]. EI Reply Report.

	<p>delivered;</p> <p>6. offsetting greenhouse gas emissions through activities such as planting carbon sequestering trees <u>excluding wilding or pest species</u><sup>13</sup> or the establishment and restoration of wetlands; <u>and</u></p> <p>7. energy efficiency and conservation practices, including use of energy efficient design, renewable energy and renewable electricity generation; <del>and</del></p> <p><del>8. building design with a Homestar™ certification rating of at least 6 for residential buildings, or a Green Star rating of at least 4 for commercial buildings, to assist in reducing energy consumption and greenhouse gas emissions.</del><sup>14</sup></p>
<p><b>EI-P5</b></p>	<p><b>Manage adverse effects of energy and infrastructure</b></p> <p>Manage adverse effects of energy and infrastructure, including by the following:</p> <ol style="list-style-type: none"> <li>1. enabling <del>or providing for</del><sup>15</sup> the ongoing operation, maintenance, repair, <del>renewal</del>,<sup>16</sup> removal and minor upgrade of existing energy and infrastructure;</li> <li>2. <u>providing for new energy and infrastructure, or major upgrades to existing energy and infrastructure while</u><sup>17</sup> avoiding, remedying or mitigating adverse effects <del>of more than minor upgrades to existing energy and infrastructure, including effects</del><sup>18</sup> on:             <ol style="list-style-type: none"> <li>a. natural and physical resources;</li> <li>b. amenity values;</li> <li>c. <u>an existing</u><sup>19</sup> sensitive activity;</li> <li>d. the safe and efficient operation of other infrastructure;</li> <li>e. the health, safety and well-being of people and communities;</li> </ol> <p><u>3A. using major upgrades to existing energy and infrastructure as an opportunity to reduce existing adverse effects where appropriate to do so,</u><sup>20</sup></p> </li> <li>3. <u>outside of the coastal environment, regionally significant new energy and</u><sup>21</sup> infrastructure, or major upgrades to existing <u>regionally significant energy and</u><sup>22</sup> infrastructure, should, to the extent <u>considered</u><sup>23</sup> practicable, ensure that the route or site is located outside of the following types of sensitive environments to protect such environments from significant adverse effects, taking into account the constraints imposed by the functional need or operational need of the energy and infrastructure:             <ol style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC, and natural character of scheduled freshwater bodies setbacks;</li> <li>c. SNAs;</li> <li>d. buildings, other structures and settings with heritage values, and archaeological sites;</li> <li>e. SASM;</li> <li><del>f. places adjoining the coastal marine area;</del><sup>24</sup></li> </ol> </li> <li>4. where <u>new regionally significant energy and</u><sup>25</sup> infrastructure, or major upgrades to</li> </ol>

<sup>13</sup> ECAN [316.20]. EI Reply Report.

<sup>14</sup> Kainga Ora [325.25]. EI Reply Report.

<sup>15</sup> Transpower [195.29]. EI Reply Report.

<sup>16</sup> Federated Farmers [414.68] – Consequential amendment – EI-O3. EI Reply Report.

<sup>17</sup> Transpower [195.29]. EI Reply Report.

<sup>18</sup> Transpower [195.29]. EI Reply Report.

<sup>19</sup> Transpower [195.29]. EI Reply Report.

<sup>20</sup> Transpower [195.29]. EI Reply Report.

<sup>21</sup> Forest and Bird [192.39]. EI Reply Report.

<sup>22</sup> Forest and Bird [192.39]. EI Reply Report.

<sup>23</sup> Transpower [195.29]. EI Reply Report.

<sup>24</sup> Forest and Bird [192.39]. EI Reply Report.

<sup>25</sup> Forest and Bird [192.39]. EI Reply Report.

	<p>existing <u>regionally significant energy and</u><sup>26</sup> infrastructure, cannot locate outside of the sensitive environments in (3) above, the energy and infrastructure should, to the extent <u>considered</u><sup>27</sup> practicable, ensure that the proposed route, site, structure and construction method demonstrate the following, taking into account the constraints imposed by the functional need or operational need of the energy and infrastructure:</p> <ol style="list-style-type: none"> <li>a. <u>regionally significant energy and</u><sup>28</sup> infrastructure will be located in more compromised parts of the areas in (3) above where that reduces adverse effects on the values of those areas;</li> <li>b. techniques (such as structure selection or construction methodology) will be used to mitigate adverse effects on the areas in (3) above;</li> <li>c. adverse effects on the areas in (3) above will be remedied or mitigated;</li> </ol> <p>5. consider biodiversity offset, <u>where there is a strong likelihood that the offset will be achieved in perpetuity,</u><sup>29</sup> for residual adverse effects on indigenous biodiversity that cannot otherwise be avoided, remedied or mitigated;</p> <p>6. avoiding <u>or mitigating</u><sup>30</sup> potential significant adverse effects of the generation of radio frequency fields and electric and magnetic fields by requiring compliance with recognised standards or guidelines; and</p> <p>7. promoting the undergrounding of new energy and infrastructure where it is:</p> <ol style="list-style-type: none"> <li>a. technically feasible;</li> <li>b. economically viable;</li> <li>c. justified by the extent of adverse visual effects if not placed underground.</li> </ol>
<p><b>EI-P6</b></p>	<p><b>Effects of other activities and development on energy and infrastructure</b>  Manage adverse effects, <u>including reverse sensitivity effects,</u><sup>31</sup> of <u>incompatible</u><sup>32</sup> other activities and development on energy and infrastructure, including by the following:</p> <ol style="list-style-type: none"> <li>1. ensuring such effects do not compromise or constrain access to or the safe, effective and efficient operation, maintenance, repair, upgrading and development of energy and infrastructure; and</li> <li>2. with regards to <u>the National Grid and</u><sup>33</sup> major electricity distribution lines, in addition to (1) above, by ensuring that: <ol style="list-style-type: none"> <li>a. safe buffer distances are identified in the District Plan for managing the effects of incompatible activities and development on <u>the National Grid and</u><sup>34</sup> major electricity distribution lines including support structures;</li> <li>b. sensitive activity and development that may compromise <u>the National Grid and</u><sup>35</sup> major electricity distribution lines, <u>including those associated with intensive farming activities</u><sup>36</sup>, are excluded from establishing within identified safe buffer distances <u>to the extent reasonably possible</u><sup>37</sup>;</li> <li>c. changes to existing activities within identified safe buffer distances do not</li> </ol> </li> </ol>

<sup>26</sup> Forest and Bird [192.39]. EI Reply Report.

<sup>27</sup> Transpower [195.29]. EI Reply Report.

<sup>28</sup> Forest and Bird [192.39]. EI Reply Report.

<sup>29</sup> ECan [316.21]. EI Reply Report.

<sup>30</sup> Transpower [195.29]. EI Reply Report.

<sup>31</sup> Christchurch International Airport Ltd [254.31]. EI Reply Report.

<sup>32</sup> Christchurch International Airport Ltd [254.31]. EI Reply Report.

<sup>33</sup> Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>34</sup> Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>35</sup> Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>36</sup> Horticulture NZ [295.76], Federated Farmers [414.71], Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>37</sup> Horticulture NZ [295.76]. EI Reply Report.

	<p>further constrain or restrict the operation, maintenance, <del>repair-replacement</del><sup>38</sup>, upgrading and development of <del>the National Grid and</del><sup>39</sup> major electricity distribution lines; and</p> <p><u>2A. with regards to the National Grid, in addition to (1) above:</u></p> <ul style="list-style-type: none"><li>a. <u>mapping the National Grid and identifying buffer corridors in the District Plan within which sensitive activities, including the expansion of an existing sensitive activity, are not provided for; and</u></li><li>b. <u>to the extent reasonably possible, managing other activities to avoid reverse sensitivity effects, on the National Grid and</u><sup>40</sup></li></ul> <p>3. ensuring buildings, other structures and vegetation do not obstruct or otherwise adversely affect radiocommunication pathways, either individually or cumulatively, including for radiocommunication associated with critical infrastructure, strategic infrastructure, regionally significant infrastructure, a lifeline utility, and for emergency purposes and day to day operations of an emergency service.</p>
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## Rules

### How to interpret and apply the rules

1. The rules in the following District-wide chapters apply in addition to Energy and Infrastructure:
  - a. TRAN - Transport;
  - b. HS - Hazardous substances;
  - c. NH - Natural hazards;
  - d. SUB - Subdivision;
  - e. LIGHT - Light;
  - f. NOISE - Noise; and
  - g. SIGNS - Signs;
2. The rules in all other chapters not listed in (1) above do not apply to Energy and Infrastructure, except in the following circumstances:
  - a. Relocation of any historic heritage listed in HH-SCHED2 must comply with HH-R4, HH-R6 and HH-R8;
  - b. Demolition of historic heritage items listed in HH-SCHED2 must comply with HH-R7 and HH-R9; and
  - c. Removal of any Notable Tree listed in TREE-SCHED1 must comply with TREE- R6 and TREE-R7; and
  - d. Where specified in the Energy and Infrastructure rules.
3. For completeness, all objectives, policies, associated planning map layers, schedules, and appendices apply to Energy and Infrastructure.<sup>41</sup>

<sup>38</sup> Mainpower NZ Ltd [249.60]. EI Reply Report.



<sup>39</sup> Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>40</sup> Transpower NZ Ltd [195.30]. EI Reply Report.

<sup>41</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.



## Activity Rules - General (applicable to all energy and infrastructure)

<b>EI-R1</b>	<b>Maintenance or removal of existing infrastructure and ancillary vehicle access tracks</b>	
	<i>This rule does not apply to widening or extension of existing vehicle access tracks provided for under EI-R2.</i>	
<b>All Zones</b>	<b>Activity status: PER</b>	<b>Activity status when compliance not achieved: N/A</b>
<b>EI-R2</b>	<b>Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure</b>	
	<i>This rule applies to the construction of new vehicle access tracks in circumstances other than as provided for under EI-R23.</i>	
<b>All Zones</b>	<b>Activity status: PER</b> Where: 1. the activity shall comply with Earthworks standards EW-S1 <del>to</del> , EW-S2, EW-S4, EW-S5, EW-S6 and <sup>42</sup> EW-S7, <del>as well as any Earthworks standards in any relevant overlay<sup>43</sup>.</del>	<b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <a href="#">EI-MD1 - Historic heritage, cultural values and the natural environment<sup>44</sup></a> <a href="#">EI-MD3 - Operational considerations<sup>45</sup></a> EI-MD9 - Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure
<b>EI-R3</b>	<b>Ancillary infrastructure equipment</b>	
<b>All Zones</b>	<b>Activity status: PER</b>	<b>Activity status when compliance not achieved: N/A</b>
<b>EI-R4</b>	<b>Customer connection between a building, other structure, site, and infrastructure</b>	
<b>All Zones</b>	<b>Activity status: PER</b> Where: 1. a new customer connection shall not involve alteration to a <a href="#">historic heritage building or other structure listed in HH-SCHED2 with heritage values<sup>46</sup></a> .  2. a new customer connection shall not involve earthworks  in the root protection area of a notable tree, except where the works:  a involve installation at	<b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD1 - Historic heritage and the natural environment <a href="#">EI-MD3 - Operational considerations<sup>50</sup></a>

<sup>42</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>43</sup> Transpower [195.32]. EI Reply Report.

<sup>44</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>45</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>46</sup> Clause 16(2). EI Reply Report.

<sup>50</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

	<p>least 1m below existing ground level;</p> <p>♦♦</p> <p>and</p> <p>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</p> <p>♦♦</p> <p>and</p> <p>c. have an entry point either:</p> <p>♦♦</p> <p>i. located outside of the root protection area;</p> <p>♦♦</p> <p>or</p> <p>ii. with a maximum area of 1m<sup>2</sup>.</p> <p>♦♦</p> <p>3. a new customer connection shall not involve earthworks in the following areas (except where earthworks are located in a road corridor or accessway, or where connections are an extension of existing infrastructure adjoining a site, or where connections are undertaken by trenchless means):</p> <p>♦♦</p> <p>a. SNAs;</p> <p>♦♦</p> <p>b. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>47</sup>.</p> <p>♦♦</p> <p>4. a new customer connection shall not involve above</p> <p>ground infrastructure in the following areas (except where located in a road corridor):</p> <p>♦♦</p> <p>a. ONE, ONI and SAI.</p>	
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<sup>47</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. El Reply Report.



	<p>b. areas of ONC, VHNC and HNC; and</p> <p>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>48</sup>.</p> <p>5. above ground infrastructure for a new customer connection shall comply with all other relevant or applicable Energy and Infrastructure rules; <u>and</u></p> <p>6. <u>the activity shall comply with Earthworks standards EW-S1, EW-S5, EW-S6, and EW-S7</u><sup>49</sup>.</p>	
<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• Check also EI-R45 Requirement to connect to water supply, wastewater system or stormwater infrastructure.</li> </ul>		
<p><b>EI-R5 Meteorological and environmental sensing and monitoring equipment, and navigational aid</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <p>1. new meteorological and environmental sensing and monitoring equipment, and navigational aid, with a height in relation to infrastructure greater than 1.8m or an area greater than 6m<sup>2</sup> shall not be located in the following areas (except where located in a road corridor):</p> <p>a. SNAs;</p> <p>b. ONF, ONL and SAL; and</p> <p>c. areas of ONC, VHNC and HNC; <u>and</u></p> <p>d. <u>the activity shall comply with Earthworks standards</u></p>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD1 - Historic heritage and the natural environment</p>

<sup>48</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>49</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

	<u>EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u> <sup>51</sup>	
<b>EI-R6</b>	<b>Trimming or removal of trees <u>including notable trees</u><sup>52</sup> and vegetation</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>the trimming or removal of trees and vegetation is by an operator of an overhead line or other infrastructure or by their nominated contractor or agent, where required for the safe operation or maintenance of overhead lines or other infrastructure.</li> <li><u>where the trimming is undertaken on any Notable Tree the works or maintenance is undertaken by, or supervised by, a suitably qualified and experienced arborist.</u><sup>53</sup></li> </ol>	<p><b>Activity status when compliance not achieved: N/A</b></p>
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>This rule applies to situations such as protecting the <u>security</u><sup>54</sup>, safe operation or maintenance of <u>infrastructure</u><sup>55</sup> overhead lines or removing an associated potential <del>fire</del> <u>electrical risk or risk to the public</u><sup>56</sup>, or maintaining sight lines from an intersection.</li> <li>A check should be made to determine whether any requirements may apply under the following: <ul style="list-style-type: none"> <li>Electricity (Hazards from Trees) Regulations 2003;</li> <li>Telecommunications Act 2001; and</li> <li>NZCEP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> <li><u>The Removal of any Notable Tree listed in TREE-SCHED1 must comply with TREE- R6 and TREE-R7.</u><sup>57</sup></li> </ul> </li> </ul>	
<b>EI-R6A</b> <sup>58</sup>	<b><u>Indigenous vegetation clearance outside any Significant Natural Area</u></b> <sup>59</sup>	

<sup>51</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.  
<sup>52</sup> Consequential amendment Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.  
<sup>53</sup> Consequential amendment Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.  
<sup>54</sup> Transpower [195.33]. EI Reply Report.  
<sup>55</sup> KiwiRail [373.26]. EI Reply Report.  
<sup>56</sup> Transpower [195.33]. EI Reply Report.  
<sup>57</sup> Consequential amendment Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<b><u>All Zones</u></b>	<p><b><u>Activity status: PER</u></b>  <b><u>Where:</u></b></p> <ol style="list-style-type: none"> <li>1. <u>the indigenous vegetation clearance is not on land above 900m in altitude; and</u></li> <li>2. <u>the indigenous vegetation clearance is:</u> <ol style="list-style-type: none"> <li>a. <u>required for maintenance, repair or replacement purposes and is:</u> <ol style="list-style-type: none"> <li>i. <u>within an existing access track; or</u></li> <li>ii. <u>within 3m of an existing building; or</u></li> <li>iii. <u>within 2m of an<sup>60</sup> existing gate, existing fire pond, existing stock yard, existing trough, existing buried pipeline or existing water tank,<sup>61</sup></u></li> </ol> </li> <li>b. <u>of indigenous vegetation which has been planted or has been planted for amenity purposes or as a shelterbelt.<sup>62</sup></u></li> </ol> </li> </ol>	<p><b><u>Activity status when compliance not achieved: RDIS</u></b></p> <p><b><u>Matters of discretion are restricted to:</u></b>  <u>EI-MD1 - Historic heritage, cultural values and the natural environment<sup>65</sup></u></p>

<sup>58</sup> El Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>59</sup> Applicable to El activities thus copied from ECO-R2 into new EI-R6A via El Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>60</sup> Applicable to El activities thus copied from ECO-R2 into new EI-R6A via El Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>61</sup> Applicable to El thus copied from ECO-R2 into new EI-R6A via El Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>62</sup> Applicable to El activities thus copied from ECO-R2 into new EI-R6A via El Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

	<p>c. <u>is required for the operation or development of the National Grid; or</u><sup>63</sup></p> <p>d. <u>required for the maintenance, repair, upgrade or replacement purposes of critical infrastructure.</u><sup>64</sup></p>	
<p><b>EI-R7</b></p>	<p><b>Freestanding pole in the road corridor</b>  <u>This rule does not apply to poles provided for in the activities in the following rules:</u></p> <ul style="list-style-type: none"> <li>- <u>EI-R12 Replacement of a pole or tower</u></li> <li>- <u>EI-R24 New overhead transmission lines and electricity distribution lines and supporting poles and towers</u></li> <li>- <u>EI-R26 New freestanding radiocommunication and telecommunication facilities, antennas, and supporting poles and towers</u></li> <li>- <u>EI-R28 New overhead telecommunication lines and supporting poles</u></li> <li>- <u>EI-R29 New amateur radio configurations</u></li> <li>- <u>EI-R41 New small scale free standing wind turbine(s) for small scale or community scale renewable electricity generation</u></li> <li>- <u>EI-R44 New large scale wind turbine(s) for large scale renewable electricity generation</u><sup>66</sup></li> </ul>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b>  Where:  1. the maximum height in relation to infrastructure of a new freestanding pole in the road corridor shall comply with the following height in relation to infrastructure limits when adjoining:  a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki Regeneration):  18m; <del>and</del></p>	<p><b>Activity status when compliance not achieved: RDIS</b>  <b>Matters of discretion are restricted to:</b>  <u>EI-MD1 - Historic heritage and the natural environment</u><sup>69</sup>  <u>EI-MD3 - Operational considerations</u><sup>70</sup>  EI-MD14 - Extent of effects</p>

<sup>65</sup> Applicable to EI activities thus copied from ECO-R2 into new EI-R6A via EI Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>63</sup> Transpower [195.74] – Relocated to EI-R6A EI Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>64</sup> MainPower [249.42] – Relocated to EI-R6A via EI Chapter submissions - Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], MainPower [249.1] (consequential amendment). ECO Reply Report.

<sup>66</sup> RMA Schedule 1 clause 16(2). EI Reply Report.

<sup>69</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>70</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

	<p>b. all other zones: 25m-;</p> <p>2. <u>if the activity is located within an ONL, ONF, or SAL, infrastructure poles and attached equipment within road reserve shall be finished in materials that will naturally weather to a non-reflective colour; and</u><sup>67</sup></p> <p>3. <u>the activity shall comply with Earthworks standards EW-S6 and EW-S7.</u><sup>68</sup></p>	
<b>EI-R8</b>	<b>Installation of new infrastructure within an existing building</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <p>1. new installations shall not involve alteration to a <u>historic heritage building listed in HH-SCHED2 with heritage values.</u><sup>71</sup></p>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD1 - Historic heritage and the natural environment <u>EI-MD3 - Operational considerations</u><sup>72</sup></p>
<b>EI-R9</b>	<b>Use of temporary infrastructure</b>	
	<p><i>This rule does not apply to new permanent emergency or back-up electricity generation provided for in EI-R36; or installation, maintenance, repair, upgrading or removal of new infrastructure for assessing a site or technology for suitability for renewable electricity generation provided for in EI-R39.</i></p>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <p>1. the temporary infrastructure shall operate for a maximum of 12 months from the commencement of the works or activity, or until the works or activity or a stage of the works or activity for which the temporary infrastructure is required is complete, whichever is greater, at which time the temporary infrastructure shall be removed from the site; <u>and</u></p>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD1 - Historic heritage, cultural values and the natural environment</u><sup>74</sup> <u>EI-MD3 - Operational considerations</u><sup>75</sup> EI-MD4 - Health and safety EI-MD14 - Extent of effects</p>

<sup>67</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>68</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>71</sup> Clause 16(2). EI Reply Report.

<sup>72</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

	<p>2. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, and EW-S6, EW-S7.</u><sup>73</sup></p>	
<p><b>EI-R10</b></p>	<p><b>Installation of new infrastructure, or upgrading of existing infrastructure, underground</b></p>	
<p><i>This rule does not apply to underground infrastructure established under EI-R45 or EI-R46.</i></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. new installations shall not be located in the following areas (except where located in a road corridor or accessway, or are an extension of existing infrastructure adjoining a site, or where installations are by trenchless means, <del>or are as specified otherwise below</del>)<sup>76</sup>:             <ol style="list-style-type: none"> <li>a. the root protection area of a notable tree, except where the installation:                 <ol style="list-style-type: none"> <li>i. is at least 1m below ground level;</li> <li>and</li> <li>ii. is limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</li> <li>and</li> <li>iii. has an entry point either:                     <ol style="list-style-type: none"> <li>a. located outside of the root protection area;</li> </ol> </li> </ol> </li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design <u>(clause 4 only)</u><sup>81</sup></li> <li>EI-MD3 - Operational considerations</li> </ul>

<sup>74</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>75</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>73</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>76</sup> Chorus, Spark and Vodafone [62.30]. EI Reply Report.

<sup>81</sup> Transpower NZ Ltd [195.35]. EI Reply Report.

	<p>or</p> <p>b. with a maximum area of less than 1m<sup>2</sup>;</p> <p>b. SNAs;</p> <p>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>77</sup>;</p> <p>and</p> <p>2. <u>upgrades of existing underground infrastructure</u><sup>78</sup> (except where located in a road corridor or accessway, <u>or are an extension of existing infrastructure adjoining a site, or where installations are by trenchless means</u>), <del>upgrades of existing underground infrastructure</del><sup>79</sup> underground infrastructure shall not increase the area occupied by the infrastructure, or realign or relocate the infrastructure, so that it further encroaches into the areas listed in (1) above;</p> <p>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, EW-S7; and</u></p> <p>4. <u>for pole foundations, the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u><sup>80</sup></p>	
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• See also EI-R11 Relocation of <u>above ground</u><sup>82</sup> infrastructure; EI-R32 Installation of gas distribution pipeline and fuel systems (including LPG); and EI-R33 An</li> </ul>	

<sup>77</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>78</sup> Chorus, Spark and Vodafone [62.30]. EI Reply Report.

<sup>79</sup> Chorus, Spark and Vodafone [62.30]. EI Reply Report.

<sup>80</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>82</sup> Chorus, Spark and Vodafone [62.31]. EI Reply Report.



	increase in the carrying or operating capacity, efficiency or security of existing gas distribution pipeline and fuel systems.	
<b>EI-R11</b>	<b>Relocation of <u>above ground</u><sup>83</sup> infrastructure</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>the relocation shall be within 5m of the existing alignment or location.</li> <li><u>the relocation shall not be located in the root protection area of a notable tree (except where located in a road corridor);</u></li> <li><u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, EW-S7; and</u></li> <li><u>For pole foundations, the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u><sup>84</sup></li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD1 - Historic heritage, cultural values and the natural environment</u><sup>85</sup> <u>EI-MD3 - Operational considerations</u><sup>86</sup> EI-MD10 - Relocation of existing infrastructure</p>
	<p><b>Exemption</b></p> <ul style="list-style-type: none"> <li>This rule does not apply to transport infrastructure.</li> </ul>	
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li><del>See also EI-R10 (2) Installation of new infrastructure, or upgrading of existing infrastructure, underground.</del><sup>87</sup></li> </ul>	
<b>EI-R12</b>	<b>Replacement of a pole or tower</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>a pole shall not be replaced with a tower;</li> <li>a replacement pole or tower shall not exceed the height in relation to infrastructure of the replaced pole or tower <u>by more than 15%</u><sup>88</sup> <u>of the height in relation to infrastructure of the pole or</u></li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD1 - Historic heritage and the natural environment</u><sup>96</sup> <u>EI-MD3 - Operational considerations</u><sup>97</sup> EI-MD14 - Extent of effects</p>

<sup>83</sup> Chorus, Spark and Vodafone [62.31]. EI Reply Report.

<sup>84</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>85</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>86</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>87</sup> Chorus, Spark and Vodafone [62.31]. EI Reply Report.

<sup>88</sup> Transpower NZ Ltd [195.37]. EI Reply Report.

<p style="text-align: center;"><u>tower on the date the District Plan was made operative.</u><sup>89</sup></p> <ol style="list-style-type: none"> <li>3. the diameter or width of a replacement pole shall not exceed twice that of the replaced pole at its widest point;</li> <li>4. a single pole may be replaced with a pi-pole <u>(or H-pole)</u><sup>90</sup> for safety or structural reasons, <u>and the width of the pi-pole (or H-pole) must not exceed three times that of the replaced single pole at its widest point including the cross arm</u><sup>91</sup>;</li> <li>5. the footprint of a <u>replaced replacement</u><sup>92</sup> tower shall not exceed the width of the <u>replaced</u><sup>93</sup> tower by more than 25%; <u>and</u></li> <li>6. a replaced pole or tower shall be removed once its replacement is in place and is operational-;</li> <li>7. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u> <ol style="list-style-type: none"> <li>a. <u>60% for greyness groups A or B;</u></li> <li>b. <u>40% for greyness group.</u></li> <li>c. <u>B or C; and</u></li> </ol> </li> <li>8. <u>notwithstanding (7) above, infrastructure</u></li> </ol>	
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<sup>96</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>97</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>89</sup> Transpower NZ Ltd [195.37]. EI Reply Report.

<sup>90</sup> Mainpower NZ Ltd [249.72]. EI Reply Report.

<sup>91</sup> Mainpower NZ Ltd [249.72]. EI Reply Report.

<sup>92</sup> Mainpower NZ Ltd [249.72]. EI Reply Report.

<sup>93</sup> Mainpower NZ Ltd [249.72]. EI Reply Report.

	<p><u>poles and attached equipment within road reserve shall be finished in materials that will naturally weather to a non-reflective colour: and</u><sup>94</sup></p> <p>9. <u>the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u><sup>95</sup></p>	
<b>EI-R13</b>	<b>Addition to a pole or tower</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li><u>equipment added to a pole or tower shall not exceed a volume of 2m<sup>3</sup> the combined diameter or width of the existing pole or tower plus the addition (at its widest point) shall not exceed twice that of the existing pole or tower (at its widest point); and</u><sup>98</sup> <sup>99</sup></li> <li><u>equipment added to a pole or tower shall not exceed<sup>100</sup> the height of the existing pole or tower the combined height in relation to infrastructure of the existing pole or tower plus the addition shall not exceed that of the existing pole or tower.</u><sup>101</sup></li> <li><u>equipment added to a pole or tower located within an ONL, ONF, SAL, the activity must be finished in a colour</u></li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD1 - Historic heritage and the natural environment</u><sup>103</sup> <u>EI-MD2 - Amenity values, location and design</u><sup>104</sup> <u>EI-MD3 - Operational considerations</u><sup>105</sup> <del><u>EI-MD14 - Extent of effects</u></del><sup>106</sup></p>

<sup>94</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>95</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>98</sup> Mainpower [249.74]. EI Reply Report.

<sup>99</sup> Mainpower NZ Ltd [249.74]. EI Reply Report.

<sup>100</sup> Mainpower NZ Ltd [249.74]. EI Reply Report.

<sup>101</sup> Mainpower NZ Ltd [249.74]. EI Reply Report.

<sup>103</sup> Mainpower [249.97]. EI Reply Report.

<sup>104</sup> Mainpower NZ Ltd [249.74]. EI Reply Report.

<sup>105</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>106</sup> Mainpower NZ Ltd [249.74]. EI Reply Report.

	<p><u>which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <ol style="list-style-type: none"> <li>a. <u>60% for greyness groups A or B;</u></li> <li>b. <u>40% for greyness group.</u></li> <li>c. <u>B or C; and</u></li> </ol> <p>4. <u>notwithstanding (2) above, equipment added to a pole or tower within road reserve shall be finished in materials that will naturally weather to a non-reflective colour.</u><sup>102</sup></p>	
<b>EI-R14</b>	<b>Replacement of an antenna</b>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. a replacement antenna shall not increase the diameter of an existing dish antenna or the width of an existing panel antenna by more than 20%<sub>i</sub>;</li> <li>2. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u> <ol style="list-style-type: none"> <li>a. <u>60% for greyness groups A or B;</u></li> <li>b. <u>40% for greyness group; and</u></li> </ol> </li> <li>3. <u>notwithstanding (2)</u></li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD1 - Historic heritage and the natural environment</u><sup>108</sup> <u>EI-MD3 - Operational considerations</u><sup>109</sup> EI-MD14 - Extent of effects</p>

<sup>102</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>108</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>109</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

	<p><u>above, antennas attached to infrastructure poles within road reserve shall be finished in materials that will naturally weather to a non-reflective colour.</u><sup>107</sup></p>	
<b>EI-R15</b>	<b>Replacement of an infrastructure cabinet, <u>electricity cabinet and kiosk</u><sup>110</sup> or infrastructure building</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>the replacement shall not increase the footprint <u>or height in relation to infrastructure</u><sup>111</sup> of the existing infrastructure cabinet, <u>electricity cabinet and kiosk</u><sup>112</sup>, or infrastructure building by more than 30%; <b>and</b></li> <li>outside a road corridor, where an existing infrastructure building is located in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), the replacement infrastructure building shall comply with the building internal boundary setback and where specified the height in relation to boundary for the zone or adjoining zone in accordance with Appendix APP3.<sup>113</sup></li> </ol> <p><u>2A the replacement infrastructure cabinet, electricity cabinet or infrastructure building is within 5m of the location of</u></p>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <p><u>EI-MD1 - Historic heritage and the natural environment</u><sup>116</sup> <u>EI-MD2 - Amenity values, location and design</u><sup>117</sup> <u>EI-MD3 - Operational considerations</u><sup>118</sup> <u>EI-MD14 - Extent of effects</u><sup>119</sup></p>

<sup>107</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.


<sup>110</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>111</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>112</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>113</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>116</sup> Mainpower [249.97]. EI Reply Report.

	<p><u>the original structure.</u><sup>114</sup></p> <p>3. <u>The replacement shall not be located in the root protection area of a notable tree (except where located in a road corridor);</u> <u>and</u> </p> <p>4. <u>the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.</u><sup>115</sup></p>	
<b>EI-R16 Upgrading above-ground lines, ducts, cables and pipes</b>		
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. upgrading is by:             <ol style="list-style-type: none"> <li>a. <del>the addition of</del> <u>adding</u><sup>120</sup> wires, cables, circuits or conductors;</li> <li>b. the re-conductoring of the line with higher capacity conductors;</li> <li>c. the re-sagging of conductors;</li> <li>d. <del>the addition of</del> <u>installing</u><sup>121</sup> longer or more efficient insulators;</li> <li>e. <del>the addition of</del> <u>adding</u><sup>122</sup> of cross arms;</li> <li>f. the bundling of lines (in the absence of cross arms);</li> <li>g. <del>the addition of</del> <u>adding</u><sup>123</sup> earth wires (which may contain telecommunication lines, earthpeaks and lightning rods); or</li> <li>h. <del>their</del> replacement <u>of any of the above</u>.<sup>124</sup></li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <u>EI-MD3 - Operational considerations</u><sup>125</sup> EI-MD14 - Extent of effects</p>

<sup>117</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>118</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>119</sup> Mainpower NZ Ltd [249.75]. EI Reply Report.

<sup>114</sup> Mainpower [249.75]. EI Reply Report.

<sup>115</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.

<sup>120</sup> Mainpower NZ Ltd [249.76]. EI Reply Report.

<sup>121</sup> Mainpower NZ Ltd [249.76]. EI Reply Report.

<sup>122</sup> Mainpower NZ Ltd [249.76]. EI s42A report.

<sup>123</sup> Mainpower NZ Ltd [249.76]. EI Reply Report.

<sup>124</sup> Mainpower NZ Ltd [249.76]. EI Reply Report.

	<ol style="list-style-type: none"> <li>2. the diameter of a replacement conductor or line shall not exceed the diameter of the existing conductor or line, or 50mm, whichever is greater;</li> <li>3. additional conductors or lines:             <ol style="list-style-type: none"> <li>a. shall not increase the number of conductors or lines by more than 100%; and</li> <li>b. shall each have a maximum diameter of 50mm;</li> </ol> </li> <li>4. additional cross arms shall not exceed the length of an existing cross arm by more than 100%, up to a maximum of 4m;</li> <li>5. the bundling of lines (in the absence of cross arms) shall not exceed 100mm in total; and</li> <li>6. the diameter of a replacement above-ground duct or pipe shall not exceed the diameter of the existing above-ground duct or pipe by more than 300mm.</li> </ol>	
<b>EI-R17</b>	<b>Installation of new mid-span poles</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. the installation of new mid-span poles is to address safety clearances for overhead lines; <b>and</b></li> <li>2. the maximum number of additional mid-span poles shall be 2.; <b>and</b></li> <li>3. <b><u>the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u></b> <sup>126</sup></li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> <b><u>EI-MD1 - Historic heritage and the natural environment</u></b> <sup>127</sup> <b><u>EI-MD3 - Operational considerations</u></b> <sup>128</sup> EI-MD14 - Extent of effects</p>
<b>EI-R18</b>	<b>Attachment of pipes, cables, conductors or lines, to bridges, tunnels or culverts</b>	

<sup>125</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

<sup>126</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6], Transpower [195.23], Mainpower [249.1]. EI Reply Report.


<sup>127</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>128</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.



<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. pipes, cables, conductors or lines:             <ol style="list-style-type: none"> <li>a. shall be attached to the underside of the bridge, or incorporated within the bridge, tunnel or culvert structure, or within an existing attached conduit, duct or pipe;</li> <li>b. the maximum diameter of any new conduit, duct or pipe shall be 300mm; <u>and</u></li> <li><del>c. any new conduits, ducts or pipes in (b) above shall be in a cluster of no more than two conduits, ducts or pipes in total; and</del><sup>129</sup></li> <li>d. shall not be attached to a bridge, tunnel or culvert with heritage values.</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational consideration</li> </ul>
<p><b>EI-R19 New infrastructure cabinet</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. a new infrastructure cabinet is located underground; or</li> <li>2. a new above-ground infrastructure cabinet shall not exceed the following:             <ol style="list-style-type: none"> <li>a. when located in the road corridor adjoining:                 <ol style="list-style-type: none"> <li>i. Residential Zones:                     <ol style="list-style-type: none"> <li>a. maximum height in relation to infrastructure: 1.8m; and</li> <li>b. maximum floor area (excluding</li> </ol> </li> </ol> </li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational consideration</li> </ul>

<sup>129</sup> Chorus, Spark and Vodafone [62.32]. EI Reply Report.

	<p>plinths or foundations) : 1.4m<sup>2</sup>;</p> <p>ii. all other zones:</p> <p>a. maximum height in relation to infrastructure: 2m; and</p> <p>b. maximum floor area (excluding plinths or foundations) : 2m<sup>2</sup>;</p> <p>b. when located outside the road corridor in:</p> <p>i. Residential Zones:</p> <p>a. maximum height in relation to infrastructure: 2m; and</p> <p>b. maximum floor area (excluding plinths or foundations) : 2.5m<sup>2</sup>;</p> <p>ii. all other zones:</p> <p>a. maximum height in relation to infrastructure: 2.5m; and</p> <p>b. maximum floor area (excluding plinths or foundations) : 5m<sup>2</sup>; and</p> <p>3. a new infrastructure cabinet shall not be located in the following areas (<del>except where located in a road corridor</del>):</p> <p>a. the root protection area of a notable tree;</p> <p> and</p> <p>b. SNAs;</p>	
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<p>5. <u>If the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <ul style="list-style-type: none"> <li>a. <u>60% for greyness groups A or B;</u></li> <li>b. <u>40% for greyness group C: and<sup>130</sup></u></li> </ul> <p>6. <u>the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.<sup>131</sup></u></p>	
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<b>EI-R19A</b>	<b><u>New electricity cabinets and kiosks<sup>132</sup></u></b>	
<b><u>All Zones</u></b>	<p><b><u>Activity status: PER</u></b>  <u>Where:</u></p> <ol style="list-style-type: none"> <li>1. <u>The electricity cabinet and kiosk does not exceed:</u> <ul style="list-style-type: none"> <li>a. <u>2m height in relation to infrastructure; and</u></li> <li>b. <u>13m<sup>2</sup> in area; and</u></li> </ul> </li> <li>2. <u>The electricity cabinet and kiosk is not located in the following areas (except where located in a road corridor):</u> <ul style="list-style-type: none"> <li>a. <u>The root protection area of a notable tree; and</u></li> <li>b. <u>SNAs;<sup>133</sup></u></li> </ul> </li> <li>3. <u>If the activity is located within an ONL, ONF,</u></li> </ol>	<p><b><u>Activity status when compliance not achieved: RDIS</u></b>  <b><u>Matters of discretion are restricted to:</u></b>  <u>EI-MD1 - Historic heritage and the natural environment</u>  <u>EI-MD2 - Amenity values, location and design</u>  <u>EI-MD3 - Operational consideration<sup>136</sup></u></p>

<sup>130</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>131</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>132</sup> Mainpower NZ Ltd [249.80]. EI Reply Report.

<sup>133</sup> Mainpower NZ Ltd [249.80]. EI Reply Report.

<sup>136</sup> Mainpower NZ Ltd [249.80]. EI Reply Report.

	<p><u>SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <p style="padding-left: 20px;"><u>a. 60% for greyness groups A or B;</u></p> <p style="padding-left: 20px;"><u>b. 40% for greyness group C; and</u><sup>134</sup></p> <p><u>4. the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.</u><sup>135</sup></p>	
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<b><u>EI-R19B</u></b>	<b><u>New, or expansion of existing, transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)</u></b> <sup>137</sup>	
	<p><u>This rule does not include:</u></p> <ul style="list-style-type: none"> <li>• <u>new infrastructure buildings provided for in EI-R20</u></li> <li>• <u>new electricity cabinets and kiosks provided for in EI-RXX</u></li> <li>• <u>new permanent emergency or back-up electricity generation provided for in EI-R36.</u></li> </ul>	
<b><u>All Zones</u></b>	<p><b><u>Activity status: PER</u></b></p> <p><u>Where:</u></p> <ol style="list-style-type: none"> <li>1. <u>the activity shall comply with the following when located in the road corridor:</u> <ol style="list-style-type: none"> <li>a. <u>maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</u></li> <li>b. <u>maximum height in relation to infrastructure: 3m;</u></li> </ol> </li> <li>2. <u>the activity shall comply with the following when located outside the road corridor:</u> <ol style="list-style-type: none"> <li>a. <u>maximum height in relation to infrastructure: 5.5m;</u></li> <li>b. <u>maximum floor area (excluding plinths or foundations): 40m<sup>2</sup>;</u></li> </ol> </li> </ol>	<p><b><u>Activity status when compliance not achieved: RDIS</u></b></p> <p><b><u>Matters of discretion are restricted to:</u></b></p> <p><u>EI-MD1 - Historic heritage and the natural environment</u></p> <p><u>EI-MD2 - Amenity values, location and design</u></p> <p><u>EI-MD3 - Operational considerations</u></p> <p><u>EI-MD4 - Health and safety</u></p> <p><u>EI-MD5 - Electricity generation</u><sup>140</sup></p>

<sup>134</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>135</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>137</sup> Mainpower NZ Ltd [249.87]. EI Reply Report.

<sup>140</sup> Mainpower NZ Ltd [249.87]. EI Reply Report.

<p>c. <u>in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), shall comply with building height in relation to boundary and internal boundary setbacks for the zone or adjoining zone; and</u></p> <p>3. <u>the activity shall not be located in the following areas (except where located in a road corridor):</u></p> <ul style="list-style-type: none"> <li>a. <u>the root protection area of a notable tree;</u></li> <li>b. <u>SASM;</u></li> <li>c. <u>SNAs;</u></li> <li>d. <u>ONF, ONL and SAL;</u></li> <li>e. <u>areas of ONC, VHNC and HNC;</u></li> <li>f. <u>natural character of scheduled freshwater bodies setbacks;</u></li> <li>and</li> <li>g. <u>the coastal environment</u><sup>138</sup>.</li> </ul> <p>4. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7</u><sup>139</sup></p>	
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EI-R20 New infrastructure building		
All Zones	<b>Activity status: PER</b> Where: 1. a new infrastructure	<b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD1 - Historic heritage and the natural

<sup>138</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>139</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>building located in the road corridor shall comply with the following:</p> <ol style="list-style-type: none"> <li>a. maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>; and</li> <li>b. maximum height in relation to infrastructure: 3m;</li> </ol> <p>2. a new infrastructure building located outside the road corridor shall comply with the following:</p> <ol style="list-style-type: none"> <li>a. maximum height in relation to infrastructure: 5.5m;</li> <li>b. maximum floor area (excluding plinths or foundations): 30m<sup>2</sup>;</li> <li>c. in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), shall comply with building height in relation to boundary and internal boundary setbacks for the zone or adjoining zone; and</li> </ol> <p>3. a new infrastructure building shall not be located in the following areas (except where located in a road corridor):</p> <ol style="list-style-type: none"> <li>a. the root protection area of a notable tree;</li> <li>b. SASM;</li> <li>c. SNAs;</li> <li>d. ONF, ONL and SAL; and</li> <li>e. areas of ONC, VHNC and HNC.</li> </ol> <p>4. <u>the activity shall comply</u></p>	<p>environment</p> <p>EI-MD2 - Amenity values, location and design</p> <p>EI-MD3 - Operational considerations</p>
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	<u>with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7.</u> <sup>141</sup>	
<b>EI-R21</b>	<b>Activities that generate radiofrequency fields</b>	
<b>All Zones</b>	<b>Activity status: PER</b> Where: 1. any activity generating radiofrequency fields shall not exceed the maximum exposure level for the general public in NZS 2772.1:1999 Radiofrequency Fields - Maximum Exposure Levels - Part 1 - 3 kHz to 300 GHz.	<b>Activity status when compliance not achieved: NC</b>
<b>EI-R22</b>	<b>Activities that generate electric and magnetic fields</b>	
<b>All Zones</b>	<b>Activity status: PER</b> Where: 1. any activity generating electric and magnetic fields shall not exceed the maximum exposure levels for the general public, as measured and assessed in accordance with the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time varying electric and magnetic fields (1Hz – 100kHz) (Health physics, 2010, 99(6); 818-836) and recommendations from the World Health Organisation monograph Environmental Health Criteria (No. 238, June 2007).	<b>Activity status when compliance not achieved: NC</b>
<b>EI-R23</b>	<b>Construction of new, <u>or widening or extension of existing</u><sup>142</sup>, vehicle access tracks ancillary to infrastructure <u>which that</u><sup>143</sup> are located in specified sensitive environments</b>	
<b>All Zones</b>	<b>Activity status: RDIS</b> Where: 1. the new vehicle access	<b>Activity status when compliance not achieved: N/A</b>

<sup>141</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>142</sup> Transpower NZ Ltd [195.40]. EI Reply Report.

<sup>143</sup> Transpower NZ Ltd [195.40]. EI Reply Report.



<p>track is located within the following areas:</p> <ul style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC;</li> <li>c. natural character of scheduled freshwater bodies setbacks;</li> <li>d. the root protection area of a notable tree;</li> <li>e. SNAs;</li> <li>and</li> <li>f. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>144</sup>.</li> </ul> <p><b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD9 - Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure</li> </ul>	
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### Activity Rules - Electricity transmission and electricity distribution

<b>EI-R24</b>	<b>New overhead transmission lines and electricity distribution lines and supporting poles and towers</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ul style="list-style-type: none"> <li>1. the activity shall not be located in the following areas (except where located in a road corridor): <ul style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC</li> </ul> </li> </ul>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD6 - Electricity transmission and electricity</li> </ul>

<sup>144</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

	<p>and HNC; and</p> <p>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>145</sup>;</p> <p>2. supporting poles and towers shall not be located in the following areas (except where located in a road corridor or accessway, or are an extension of existing infrastructure adjoining a site):</p> <p>a. the root protection area of a notable tree;</p> <p>b. SNAs;</p> <p>and</p> <p>3. supporting poles and towers shall have the following maximum height in relation to infrastructure in:</p> <p>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), and Special Purpose Zone (Pines Beach and Kairaki Regeneration): 18m; and</p> <p>b. all other zones and the adjoining road corridor: 25m.</p> <p>4. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7.</u><sup>146</sup></p>	<p>distribution</p>
<p><b>EI-R25</b></p>	<p><del>Transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)</del><sup>147</sup></p>	
	<p><del>This rule does not include new permanent emergency or back-up electricity generation provided for in EI-R36.</del></p>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> <b>Where:</b></p>	<p><b>Activity status when compliance not achieved: RDIS</b></p>



<sup>145</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>146</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.






<sup>147</sup> Mainpower NZ Ltd [249.87]. EI Reply Report.

<p><del>5. new transformers, substations, switching stations, and energy storage batteries are ancillary to electricity transmission and electricity distribution;</del></p> <p><del>6. the activity shall comply with the following when located in the road corridor:</del></p> <p style="margin-left: 20px;"><del>a. maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</del></p> <p style="margin-left: 20px;"><del>b. maximum height in relation to infrastructure: 3m;</del></p> <p><del>7. the activity shall comply with the following when located outside the road corridor:</del></p> <p style="margin-left: 20px;"><del>a. maximum height in relation to infrastructure: 5.5m;</del></p> <p style="margin-left: 20px;"><del>b. maximum floor area (excluding plinths or foundations): 30m<sup>2</sup>;</del></p> <p style="margin-left: 20px;"><del>c. in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), shall comply with building height in relation to boundary and internal boundary setbacks for the zone or adjoining zone; and</del></p> <p><del>8. the activity shall not be located in the following areas (except where located in a road corridor):</del></p> <p style="margin-left: 20px;"><del>a. the root protection area of a notable tree;</del></p> <p style="margin-left: 20px;"><del>b. SASM;</del></p> <p style="margin-left: 20px;"><del>c. SNAs;</del></p>	<p><b>Matters of discretion are restricted to:</b></p> <p><del>EI-MD1— Historic heritage and the natural environment</del></p> <p><del>EI-MD2— Amenity values, location and design</del></p> <p><del>EI-MD3— Operational considerations<sup>148</sup></del></p>
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<sup>148</sup> Mainpower NZ Ltd [249.87]. EI Reply Report.

<p>d. <del>ONF, ONL and SAL;</del>  e. <del>areas of ONC, VHNC and HNC;</del>  f. <del>natural character of scheduled freshwater bodies setbacks;</del>    and  g. <del>places adjoining the coastal marine area.</del>  </p>	
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### Activity Rules - Communication facilities

EI-R26	New freestanding radiocommunication and telecommunication facilities, antennas, and supporting poles and towers	
All Zones	<p><b>Activity status: PER</b>  Where:</p> <ol style="list-style-type: none"> <li>1. the activity shall not be located in the following areas (except where located in a road corridor): <ol style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC;</li> <li>c. natural character of scheduled freshwater bodies setbacks;  </li> <li>d. <del>places adjoining the coastal marine area</del>  <u>the coastal environment</u><sup>149</sup>;  </li> <li>e. the root protection area of a notable tree;  </li> <li>f. SASM;  </li> <li>g. SNAs;  </li> </ol> </li> </ol> <p><u>1A. if the activity is located within the road corridor within an ONL, ONF, SAL, exterior building materials shall be finished in materials that will naturally weather to a non-reflective colour.</u><sup>150</sup></p>	<p><b>Activity status when compliance not achieved: RDIS</b>  <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> </ul>

<sup>149</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>150</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>2. in the road corridor:</p> <ul style="list-style-type: none"><li>a. supporting poles and towers shall have the following maximum height in relation to infrastructure when adjoining:<ul style="list-style-type: none"><li>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 18m;</li><li>ii. all other zones: 25m;</li></ul></li><li>b. dish antennas shall have the following maximum diameter when adjoining:<ul style="list-style-type: none"><li>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.38m;</li><li>ii. all other zones: 1.2m;</li></ul></li></ul> <p>3. outside the road corridor:</p> <ul style="list-style-type: none"><li>a. supporting poles and towers shall have the following maximum height in relation to infrastructure in:<ul style="list-style-type: none"><li>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki</li></ul></li></ul>	
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	<p>Regeneration): 18m</p> <ul style="list-style-type: none"><li>ii. Commercial and Mixed Use Zones, Industrial Zones and all other Special Purpose Zones:<ul style="list-style-type: none"><li>a. 25m; or</li><li>b. 30m where two or more infrastructure operators utilise the same structure;</li></ul></li><li>iii. Rural Zones:<ul style="list-style-type: none"><li>a. 35m; or</li><li>b. 40m where two or more infrastructure operators utilise the same structure;</li></ul></li></ul> <p>b. dish antennas shall have the following maximum diameter in:</p> <ul style="list-style-type: none"><li>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.6m;</li><li>ii. all other zones: 1.8m;</li></ul> <p>c. supporting poles and towers in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), shall comply with the internal boundary building setback</p>	
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	<p>requirements for the zone or adjoining zone;</p> <p>4. any headframe shall have the following maximum diameter in:</p> <p>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration) <u>and the adjoining road corridor</u><sup>151</sup>: 2.5m;</p> <p>b. all other zones and the adjoining road corridor: 6m;</p> <p>5. omni-directional 'whip' or dipole antennas shall comply with the following:</p> <p>a. maximum height: 1.6m and may extend above the maximum height in relation to infrastructure of the supporting pole or tower;</p> <p>b. maximum diameter: 60mm;</p> <p>c. maximum horizontal length: 1.5m; and</p> <p>6. panel antennas shall comply with either of the following, whichever is the lesser:</p> <p>a. a maximum width of 0.7m and a maximum length of 3.5m; or</p> <p>b. a maximum surface area of the largest face of 1.5m<sup>2</sup>.</p> <p>7. <u>the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u><sup>152</sup></p>	
<p><b>EI-R27</b></p>	<p><b>New radiocommunication and telecommunication facilities attached to buildings</b></p>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where: 1. dish antennas shall comply</p>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD1 - Historic heritage and the natural</p>

<sup>151</sup> Chorus, Spark and Vodafone [62.33]. EI Reply Report.

<sup>152</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>with the following maximum diameter in:</p> <ol style="list-style-type: none"> <li>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.6m;</li> <li>b. all other zones: 1.8m;</li> </ol> <p>2. panel antennas shall comply with either of the following, whichever is the lesser:</p> <ol style="list-style-type: none"> <li>a. a maximum width of 0.7m and a maximum length of 3.5m; or</li> <li>b. a maximum surface area of the largest face of 1.5m<sup>2</sup>;</li> </ol> <p>3. any antenna shall not exceed a maximum height of 5m above the highest point of attachment to a building;</p> <p>4. if a building is located in Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), the lowest point of attachment for antennas to the building shall be at least 15m above ground level; <del>and</del></p> <p>5. new installations shall not involve alteration to a building with heritage values. <del>and</del></p> <p>6. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a</u></p>	<p>environment</p> <p>EI-MD2 - Amenity values, location and design</p> <p>EI-MD3 - Operational considerations</p>
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	<p><u>maximum of:</u></p> <p>a. <u>60% for greyness groups A or B;</u></p> <p>b. <u>40% for greyness group C.</u><sup>153</sup></p>	
<b>EI-R28</b>	<b>New overhead telecommunication lines and supporting poles</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>1. the activity shall not be located in the following areas (except where located in a road corridor):             <ol style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC;</li> <li>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment.</u><sup>154</sup></li> </ol> </li> <li>2. supporting poles shall not be located in the following areas (except where located in a road corridor or accessway, or are an extension of existing infrastructure adjoining a site):             <ol style="list-style-type: none"> <li>a. the root protection area of a notable tree;</li> <li>b. SNAs;</li> </ol> <p>and</p> </li> <li>3. supporting poles shall comply with the following maximum height in relation to infrastructure in:             <ol style="list-style-type: none"> <li>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration) <u>and the adjoining road corridor</u><sup>155</sup>: 18m; and</li> <li>b. all other zones and the</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MD1 - Historic heritage and the natural environment</p> <p>EI-MD2 - Amenity values, location and design</p> <p>EI-MD3 - Operational considerations</p>

<sup>153</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>154</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>155</sup> Chorus, Spark and Vodafone [62.34]. EI Reply Report.

	<p>adjoining road corridor: 25m.</p> <p>4. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, EW-S7; and</u></p> <p>5. <u>For pole foundations, the activity shall comply with Earthworks standards EW-S6, and EW-S7.</u><sup>156</sup></p>	
<b>EI-R29 New amateur radio configurations</b>		
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. the maximum height in relation to infrastructure of any pole shall be 20m; <u>1A unless otherwise specified below, poles shall be exempt from height in relation to boundary requirements but remain subject to boundary setbacks for the zone;</u><sup>157</sup></li> <li><del>2. there shall be a maximum of one pole per site;</del><sup>158</sup></li> <li>3. any antenna other than a simple wire dipole <u>or dish antenna</u><sup>159</sup> shall comply with the following: <ol style="list-style-type: none"> <li>a. any element comprising the antenna shall be a maximum of 0.08m in diameter and 14.9m in length;</li> <li>b. for horizontal HF yagi or loop antenna the boom length shall be a maximum of 13m;</li> <li>c. no part of any antenna, pole or guy wire shall overhang the boundary of the site; and</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> </ul>

<sup>156</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>157</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. EI Reply Report.

<sup>158</sup> Waimakariri District Council [367.16]. EI Reply Report.

<sup>159</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. EI Reply Report.

	<p>4. any dish antenna <u>with a maximum diameter of 2m or more</u><sup>160</sup> shall comply with the following:</p> <ul style="list-style-type: none"><li>a1. <u>there shall be no more than one such dish antenna;</u></li><li>a. <u>the dish antenna shall have</u><sup>161</sup> a maximum diameter <u>of:</u> 5m;</li><li>b. <u>the dish antenna shall be pivoted at</u> less than 4m above <del>the</del> <u>ground level;</u></li><li>c. in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), <u>the dish antenna</u><sup>162</sup> shall comply with building height in relation to boundary and boundary setbacks for the zone or adjoining zone; and</li><li><del>d. a maximum of one dish antenna per site.</del><sup>163</sup></li></ul> <p>5. <u>any dish antenna with a maximum diameter of less than 2m shall comply with the following:</u></p> <ul style="list-style-type: none"><li>a. <u>there shall be no more than two such dish antennas;</u></li><li>b. <u>such dish antennas may be mounted on poles or a building;</u></li><li>c. <u>such dish antennas shall not exceed a maximum height in relation to infrastructure of 14m.</u></li></ul>	
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<sup>160</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. El Reply Report.

<sup>161</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. El Reply Report.

<sup>162</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. El Reply Report.

<sup>163</sup> Waimakariri District Council [367.16]. El Reply Report.

	<p>d. <u>such dish antennas shall be exempt from height in relation to boundary requirements but remain subject to boundary setbacks for the zone.</u><sup>164</sup></p> <p>6. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <p style="padding-left: 20px;">a. <u>60% for greyness groups A or B;</u></p> <p style="padding-left: 20px;">b. <u>40% for greyness group C; and</u><sup>165</sup></p> <p>7. <u>the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.</u><sup>166</sup></p>	
<b>EI-R30</b>	<b>New communication kiosk</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. the maximum height in relation to infrastructure (excluding any small cell unit or antenna in (3) below) shall be 3.5m;</li> <li>2. the maximum area (excluding plinths or foundations) shall be 1.5m<sup>2</sup>; <del>and</del></li> <li>3. any attached small cell unit or antenna shall be less than 1m in height and shall not have a horizontal dimension greater than the</li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> </ul>

<sup>164</sup> New Zealand Association of Radio Transmitters, Inc. [157.1]. EI Reply Report.

<sup>165</sup> Transpower New Zealand Ltd [195.84], and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>166</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>horizontal dimensions of the communication kiosk;</p> <p>4. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <p style="padding-left: 40px;">a. 60% for greyness groups A or B;</p> <p style="padding-left: 40px;">b. 40% for greyness group C; and <sup>167</sup></p> <p>5. <u>the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.</u> <sup>168</sup></p>	
<b>EI-R31</b>	<b>New small cell unit</b>	
<b>All Zones</b>	<b>Activity status: PER</b>	<b>Activity status when compliance not achieved: N/A</b>

### Activity Rules - Fuel and energy

<b>EI-R32</b>	<b>Installation of gas distribution pipeline and fuel systems (including LPG)</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>1. a gas distribution pipeline shall have a maximum gauge pressure of 2,000 kilopascals;</li> <li>2. the activity shall not be located in the following areas (except where located in a road corridor or accessway, or are an extension of existing infrastructure adjoining a site, or as specified otherwise below):             <ol style="list-style-type: none"> <li>a. the root protection</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD7 - Gas distribution</li> </ul>

<sup>167</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>168</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>area of a notable tree, except where the installation:</p> <ul style="list-style-type: none"> <li>i. is at least 1m below ground level;</li> <li>and</li> <li>ii. is limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</li> <li>and</li> <li>iii. has an entry point either:             <ul style="list-style-type: none"> <li>a. located outside of the root protection area;</li> <li>or</li> <li>b. with an area of less than 1m<sup>2</sup>;</li> </ul> </li> </ul> <p>b. SNAs;</p> <p>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>169.</sup></p> <p>d. ONF, ONL and SAL; and</p> <p>e. areas of ONC, VHNC and HNC.</p> <p>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7.</u></p> <p>170</p>	
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• See also EI-R10 Installation of new infrastructure, or upgrading of existing</li> </ul>	

<sup>169</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>170</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>infrastructure, underground.</p> <ul style="list-style-type: none"> <li>• A check should be made of the HSNO to ascertain whether any statutory requirements under that Act apply.</li> <li>• Where earthworks may be required, a check should be made of the NESCS to ascertain whether any statutory requirements under the NESCS apply.</li> </ul>	
<b>EI-R33</b>	<b>An increase in the carrying or operating capacity, efficiency or security of existing gas distribution pipeline and fuel systems</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. if infrastructure is replaced, the replacement shall be of the same or a similar scale and character to that which is replaced.</li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, locations and design</li> <li>EI-MD3 - Operational considerations</li> </ul>
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• See also EI-R10 Installation of new infrastructure, or upgrading of existing infrastructure, underground; and EI-R11 Relocation of infrastructure.</li> <li>• A check should be made of the HSNO to ascertain whether any statutory requirements under that Act apply.</li> <li>• Where earthworks may be required, a check should be made of the NESCS to ascertain whether any statutory requirements under the NESCS apply.</li> </ul>	
<b>EI-R34</b>	<b>New tanks for the storage of gas and fuel (including LPG)</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. new above ground tanks shall comply with the built form standards for the relevant zone or overlay; and</li> <li>2. the activity shall not be located in the following areas: <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. SNAs;</li> <li>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>171</sup>;</li> <li>d. ONF, ONL and SAL;</li> <li>e. areas of ONC, VHNC and HNC; <del>and</del></li> <li>f. natural character of scheduled freshwater</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> <li>EI-MD4 - Health and safety</li> </ul>

<sup>171</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

	<p>bodies setbacks; <u>and</u></p> <p>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>172</sup></p>	
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• A check should be made of the HSNO to ascertain whether any statutory requirements under that Act apply.</li> <li>• Where earthworks may be required, a check should be made of the NESCS to ascertain whether any statutory requirements under the NESCS apply.</li> </ul>	
<p><b>EI-R35</b></p>	<p><b><del>Transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)</del></b></p>	
	<p><i><del>This rule does not apply to new permanent emergency or back-up electricity generation provided for in EI-R36.</del></i></p>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li><del>1. new transformers, substations, switching stations, and energy storage batteries are ancillary to electricity generation;</del></li> <li><del>2. the activity shall comply with the following when located in the road corridor:</del> <ol style="list-style-type: none"> <li><del>a. maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</del></li> <li><del>b. maximum height in relation to infrastructure: 3m;</del></li> </ol> </li> <li><del>3. the activity shall comply with the following when located outside the road corridor:</del> <ol style="list-style-type: none"> <li><del>a. maximum height in relation to infrastructure: 5.5m;</del></li> <li><del>b. maximum floor area (excluding plinths or foundations): 30m<sup>2</sup>;</del></li> <li><del>c. in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone</del></li> </ol> </li> </ol>	<p><b><del>Activity status when compliance not achieved: RDIS</del></b> <b><del>Matters of discretion are restricted to:</del></b></p> <ul style="list-style-type: none"> <li><del>EI-MD1— Historic heritage and the natural environment</del></li> <li><del>EI-MD2— Amenity values, locations and design</del></li> <li><del>EI-MD3— Operational considerations</del></li> <li><del>EI-MD4— Health and safety</del></li> <li><del>EI-MD5— Electricity generation</del></li> </ul>

<sup>172</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.



	<p><del>(Pines Beach and Kairaki Regeneration), shall comply with building height in relation to boundary and internal boundary setbacks for the zone or adjoining zone; and</del></p> <p><del>4. the activity shall not be located in the following areas (except where located in a road corridor):</del></p> <ul style="list-style-type: none"> <li><del>a. the root protection area of a notable tree;</del></li> <li><del>b. SASM;</del></li> <li><del>c. SNAs;</del></li> <li><del>d. ONF, ONL and SAL;</del></li> <li><del>e. areas of ONC, VHNG and HNC;</del></li> <li><del>f. natural character of scheduled freshwater bodies setbacks;</del></li> <li><del>and</del></li> <li><del>g. places adjoining the coastal marine area.</del></li> </ul>	
<p><b>EI-R36</b></p>	<p><b>New permanent emergency or back-up electricity generation</b></p>	
	<p><i>This rule does not apply to temporary portable or transportable electricity generation provided for in EI-R9.</i></p>	
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. new permanent emergency or back-up electricity generation (including any associated energy storage batteries):             <ol style="list-style-type: none"> <li>a. is not the primary electricity supply to the site; and</li> <li>b. shall comply with the built form standards for the relevant zone or</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li><u>EI-MD1 - Historic heritage, cultural values and the natural environment</u><sup>175</sup></li> <li><u>EI-MD3 - Operational considerations</u><sup>176</sup></li> <li>EI-MD14 - Extent of effects</li> </ul>

<sup>175</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>176</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

	<p>overlay-;</p> <p>2. <u>if the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <p style="padding-left: 40px;">a. <u>60% for greyness groups A or B;</u></p> <p style="padding-left: 40px;">b. <u>40% for greyness group C; and</u><sup>173</sup></p> <p>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>174</sup></p>	
<b>EI-R37</b>	<b>New electricity generation other than renewable electricity generation</b>	
	<i>This rule does not apply to temporary portable or transportable electricity generation provided for in EI-R9; or new permanent emergency or back-up electricity generation provided for in EI-R36.</i>	
<b>All Zones</b>	<b>Activity status: NC</b>	<b>Activity status when compliance not achieved: N/A</b>

### Activity Rules - Renewable energy

<b>EI-R38</b>	<b>New self-contained power unit</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b></p> <p>Where:</p> <p>1. installation shall not involve alteration to a <u>historic heritage</u> structure <u>listed in HH-SCHED2 with heritage values.</u><sup>177</sup></p>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MD1 - Historic heritage and the natural environment</p>
<b>EI-R39</b>	<b>New infrastructure for assessing a site or technology for suitability for renewable energy including renewable electricity generation</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b></p> <p>Where:</p>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p>


<sup>173</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>174</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>177</sup> RMA Schedule 1 clause 16(2). EI Reply Report.

	<ol style="list-style-type: none"> <li>1. the activity involves installation, maintenance, repair, upgrading or removal of infrastructure for assessing a site or technology for suitability for renewable energy including renewable electricity generation;</li> <li>2. infrastructure shall be on site for a maximum of 24 months in any 36 month period;</li> <li>3. the activity shall not involve earthworks (except where located in a road corridor) on SASM;</li> <li>and</li> <li>4. infrastructure shall not be located in the following areas (except where located in a road corridor):             <ol style="list-style-type: none"> <li>a. SNAs;</li> <li>b. ONF, ONL and SAL; and</li> <li>c. areas of ONC, VHNC and HNC.</li> </ol> </li> </ol>	<p>EI-MD1 - Historic heritage and the natural environment            EI-MD2 - Amenity values, location and design            EI-MD3 - Operational considerations</p>
<b>EI-R40</b>	<b>New solar cell(s) for small scale or community scale renewable electricity generation</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b>            Where:</p> <ol style="list-style-type: none"> <li>1. the activity involves the installation, maintenance, upgrading or removal of a solar cell(s) in the circumstances specified below;</li> <li>2. the electricity generated is either:             <ol style="list-style-type: none"> <li>a. solely for use on a site and ancillary to the principal use of the site; or</li> <li>b. for use on a site and ancillary to the principal use of the site and also for</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b>  <b>Matters of discretion are restricted to:</b>            EI-MD1 - Historic heritage and the natural environment            EI-MD2 - Amenity values, location and design  <u>EI-MD3 - Operational considerations</u><sup>181</sup>            EI-MD5 - Electricity generation</p>

<sup>181</sup> Chorus, Spark and Vodafone [62.66]. EI Reply Report.

	<p>supply to not more than 20 other sites; and</p> <p>c. any surplus of electricity generated may be distributed to the electricity distribution network;</p> <p>3. if a solar cell(s) is located on the roof of a building in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration), the solar cell(s) shall comply with the following (as applicable):</p> <p>a. on new buildings, shall comply with the height in relation to boundary requirement for the zone or adjoining zone; or</p> <p>b. if located on an existing building in or adjoining a zone in (3) above that already breaches the applicable height in relation to boundary requirement, the solar cell(s) may also breach it; or</p> <p>c. if located on an existing building in or adjoining a zone in (3) above that does not breach the applicable height in relation to boundary requirement, the solar cell(s) shall also not breach it; and</p> <p>4. new installations shall not involve alteration to a <u>historic heritage</u> building or other structure <u>listed in HH-SCHED2 with heritage values</u>.<sup>178</sup></p> 	
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<sup>178</sup> Clause 16(2). EI Reply Report.

	<p>↖ <u>where the activity is located within an ONL, ONF, SAL, the activity must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour Co-ordination for Building Purposes, has a reflectivity value of a maximum of:</u></p> <p><u>a. 60% for greyness groups A or B;</u></p> <p><u>b. 40% for greyness group C; and</u><sup>179</sup></p> <p><u>6. the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>180</sup></p>	
<b>EI-R41</b>	<b>New small scale <u>free standing and roof mounted</u><sup>182</sup> wind turbine(s) for small scale or community scale renewable electricity generation</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>1. the activity involves the installation, maintenance, upgrading or removal of a small scale wind turbine(s) in the circumstances specified below;</li> <li>2. the electricity generated is either: <ol style="list-style-type: none"> <li>a. solely for use on a site and ancillary to the principal use of the site; or</li> <li>b. for use on a site and ancillary to the principal use of the site, and also for supply to a maximum of 20 other sites; and</li> <li>c. any surplus of electricity generated may be distributed to the electricity</li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operational considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD5 - Electricity generation</li> </ul>

<sup>179</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>180</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>182</sup> Waimakariri District Council [367.50]. EI Reply Report.

<p>distribution network;</p> <ol style="list-style-type: none"> <li>3. if standard (2)(a) above applies, a maximum of one wind turbine shall be erected on a site;</li> <li>4. if standard (2)(b) above applies, a maximum of one wind turbine shall be erected for each site, with either one turbine placed on each site or the turbines clustered on one or more of the sites;</li> <li>5. new installations shall not involve alteration to a <u>historic heritage</u> structure listed in HH-SCHED2 with <u>heritage values</u>,<sup>183</sup></li> <li>6. the activity shall not be located in the following areas:             <ol style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC;</li> <li>c. <u>SNA's</u><sup>184</sup>;</li> </ol> </li> <li>7. <u>for free standing wind turbines</u>.<sup>185</sup> <ol style="list-style-type: none"> <li>a. each wind turbine (including the full extent of blades) shall comply with road and internal boundary building setback requirements for the zone; and</li> <li>b. the maximum permitted height in relation to infrastructure of each wind turbine (including the full extent of</li> </ol> </li> </ol>	
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<sup>183</sup> RMA Schedule 1 clause 16(2). El Reply Report.

<sup>184</sup> Department of Conservation [419.47]. El Reply Report.

<sup>185</sup> Waimakariri District Council [367.50]. El Reply Report.

	<p>blades) is 20m.</p> <p>8. <u>for roof mounted wind turbines:</u></p> <p>a. <u>the maximum permitted height of each wind turbine (including the full extent of the blades) is 3m above the highest point of attachment to the roof of a building;</u></p> <p>b. <u>there shall be no more than one wind turbine per building; and</u></p> <p>c. <u>the wind turbine shall be exempt from height in relation to boundary requirements.</u><sup>186</sup></p> <p>9. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>187</sup></p>	
<b>EI-R42</b>	<b>New solar hot water systems</b>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <p><u>1A the activity involves the installation, maintenance, upgrading or removal of a solar hot water heating system in the circumstances specified below;</u></p> <p><u>1B the hot water generated is solely for use on a site and ancillary to the principal use of the site.</u><sup>188</sup></p> <p>1. if located on the roof of a building in or adjoining Residential Zones, Special Purpose Zone (Kāinga Nohoanga) or Special Purpose Zone (Pines Beach and Kairaki Regeneration), shall comply with the following</p>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MD1 - Historic heritage and the natural environment</p> <p>EI-MD14 - Extent of effects</p>

<sup>186</sup> Waimakariri District Council [367.50]. EI Reply Report.

<sup>187</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>188</sup> Daiken NZ [145.17]. EI Reply Report.

	<p>(as applicable):</p> <ol style="list-style-type: none"> <li>a. on new buildings, shall comply with the height in relation to boundary requirement for the zone or adjoining zone; or</li> <li>b. if located on an existing building in or adjoining a zone in (1) above that already breaches the applicable height in relation to boundary requirement, the solar hot water system may also breach it; or</li> <li>c. if located on an existing building in or adjoining a zone in (1) above that does not breach the applicable height in relation to boundary requirement, the solar hot water system shall also not breach it; and</li> </ol> <p>2. new installations shall not involve alteration to a <u>historic heritage</u> building <u>listed in HH-SCHED2 with heritage values.</u><sup>189</sup></p>	
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• The installation of solar hot water systems may also require building consent from the District Council.</li> </ul>	
<p><b>EI-R43</b></p>	<p><b>New infrastructure for the generation of renewable energy,<sup>190</sup> including renewable electricity generation,<sup>191</sup> from waste</b></p>	

<sup>189</sup> Clause 16(2). EI Reply Report.

<sup>190</sup> Minute 43 Reply Report response to Question 11.

<sup>191</sup> Minute 43 Reply Report response to Question 11.



<p><i>This activity includes the use of electricity generated on site, and the supply of any surplus electricity generated to the electricity distribution network.</i></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: RDIS</b>  <b>Matters of discretion are restricted to:</b>                  EI-MD1 - Historic heritage and the natural environment                  EI-MD2 - Amenity values, location and design                  EI-MD3 - Operational considerations                  EI-MD4 - Health and safety                  EI-MD5 - Electricity generation                  EI-MD8 - Water supply, wastewater system, and stormwater infrastructure</p>	<p><b>Activity status when compliance not achieved: N/A</b></p>
<p><b>EI-R44</b>      <b>New large scale wind turbine(s) for large scale renewable electricity generation</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: DIS</b>                  Where:                  1. the activity involves the installation, maintenance, upgrading or removal of a wind turbine(s) other than for small scale or community scale renewable electricity generation from a small scale wind turbine(s) provided for in EI-R41.</p>	<p><b>Activity status when compliance not achieved: N/A</b></p>
<p><b>EI-R44A</b>      <b>Large scale solar electricity generation</b><sup>192</sup></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: R<sup>193</sup>DIS</b>                  Where:                  1. <u>the activity involves the installation, maintenance, upgrading or removal of solar cell(s) other than for small scale or community scale renewable electricity generation provided for in EI-R40.</u>   <u><b>Matters of discretion are restricted to:</b></u>   <u>EI-MD1 – Historic heritage, cultural values and the natural environment</u></p>	<p><b>Activity status when compliance not achieved: N/A</b></p>

<sup>192</sup> Waimakariri District Council [367.15]. EI Reply Report.

<sup>193</sup> Minute 43 Reply Report response to Question 11.

<p><u>EI-MD2—Amenity values, location and design</u>  <u>EI-MD3—Operational considerations</u>  <u>EI-MD4 Health and Safety</u>  <u>EI-MD5—Electricity generation</u><sup>194</sup></p>	
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**Activity Rules - Water, wastewater, stormwater**

<b>EI-R45</b>	<b>Requirement to connect to water supply, wastewater system or stormwater infrastructure</b> <u><i>This rule does not apply to the Heavy Industrial Zone located between Upper and Lower Sefton Roads</i></u> <sup>195</sup>	
<b>All Zones</b>	<p><b>Activity status: PER</b>  Where:</p> <ol style="list-style-type: none"> <li>1. any new building, other than an accessory building: <ol style="list-style-type: none"> <li>a. when located in Residential Zones, Commercial and Mixed Use Zones, Industrial Zones or Special Purpose Zones (other than the Special Purpose Zone (Kāinga Nohoanga)), shall be connected to the following, <u>if available</u><sup>196</sup>:: <ol style="list-style-type: none"> <li>i. a public drinking water supply;</li> <li>ii. a public wastewater system;</li> </ol> </li> <li>b. when located in Rural Zones, Special Purpose Zone (Kāinga Nohoanga) or Open Space and Recreation Zones, shall be connected to the following, if available: <ol style="list-style-type: none"> <li>i. a public drinking water supply;</li> </ol> </li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved: DIS</b></p>

<sup>194</sup> Minute 43 Reply Report response to Question 11.

<sup>195</sup> Daiken NZ [145.18]. EI Reply Report.

<sup>196</sup> Daiken NZ [145.18]. EI Reply Report.

	<ul style="list-style-type: none"><li>ii. a public wastewater system;</li><li>iii. a public drinking water supply is considered to be available in Rural Zones, Special Purpose Zone (Kāinga Nohoanga) or Open Space and Recreation Zones where:<ul style="list-style-type: none"><li>a. the drinking water supplier will accept a connection to the supply from the site; and</li><li>b. the water reticulation network already exists adjacent to the site boundary, or if the amount of new pipework to be installed to provide a connection to the site boundary by extending the supply from the existing network is less than or equal to 250m of new pipework per new building <del>(up to a</del></li></ul></li></ul>	
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	<p style="text-align: center;"><del>-maximum of 1km)</del><sup>197.</sup>;</p> <p>iv. a public wastewater system is considered to be available in Rural Zones, Special Purpose Zone (Kāinga Nohoanga) or Open Space and Recreation Zones where:</p> <ul style="list-style-type: none"><li>a. a wastewater pipeline passes within 50m of the site boundary; and</li><li>b. the wastewater system operator will accept the wastewater from the site; and</li><li>c. the distance from the wastewater system to the building from which wastewater is generated is less than 100m;</li></ul> <p>v. within the Special Purpose Zone (Kāinga Nohoanga) where a public drinking water supply or public wastewater system is not available</p>	
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<sup>197</sup> Waimakariri District Council [367.24] El Reply Report. Note this deletion is not shown in the Reply report however the submission is accepted in Appendix 2 of that report.

	<p>connection shall be to on site water supply and wastewater treatment services; and</p> <p>2. any new building, other than an accessory building with a floor area of 10m<sup>2</sup> or less:</p> <p>a. when located in Residential Zones, Commercial and Mixed Use Zones, Industrial Zones or Special Purpose Zones (other than the Special Purpose Zone (Kāinga Nohoanga)), shall be connected to reticulated stormwater infrastructure; and</p> <p>b. when located in Rural Zones, Special Purpose Zone (Kāinga Nohoanga) or Open Space and Recreation Zones, shall manage stormwater on site so that the effects of stormwater at the site boundary (from both peak flow and total flow) are no greater than before the development took place.</p> <p>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>198</sup></p>	
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• The Waimakariri Rural Residential Development Strategy June 2019 (p30-32) shows the wastewater, water supply and drainage schemes in the District.</li> <li>• Advice should be sought from the District Council regarding the availability and adequacy of services and any other engineering requirements associated with new connections.</li> <li>• Check also EI-R4 Customer connection between a building, other structure, site,</li> </ul>	

<sup>198</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

	<p>and infrastructure.</p> <ul style="list-style-type: none"> <li>• Check also any relevant provisions in the Subdivision chapter regarding provision of services to new allotments.</li> <li>• New connections may also require building consent from the District Council.</li> <li>• Check the ECOP for the relevant infrastructure design standard or construction specification standard.</li> </ul>		
<b>EI-R46</b>	<b>Construction of new, or renewal or upgrading of existing, water supply, wastewater system, or stormwater infrastructure</b>		
<b>All Zones</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. compliance is achieved with the relevant built form standards for the relevant zone or overlay;</li> <li>2. the activity does not involve earthworks in the root protection area of a notable tree, except where located in a road corridor or where the works:                             <ol style="list-style-type: none"> <li>a. involve installation at least 1m below ground level;</li> <li>and</li> <li>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</li> <li>and</li> <li>c. have an entry point either:                                     <ol style="list-style-type: none"> <li>i. located outside of the root protection area;</li> <li>or</li> <li>ii. with an area of less than 1m<sup>2</sup>;</li> </ol> </li> </ol> </li> <li>3. the activity does not involve earthworks in the following areas (except where located in a road corridor or accessway, or involve an extension to existing</li> </ol> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Activity status when compliance with EI-R46 (1) to (4) and (6) not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operation considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD8 - Water supply, wastewater system, and stormwater infrastructure</li> </ul> <p><b>Activity status when compliance with EI-R46 (5) not achieved: DIS</b></p> </td> </tr> </table>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. compliance is achieved with the relevant built form standards for the relevant zone or overlay;</li> <li>2. the activity does not involve earthworks in the root protection area of a notable tree, except where located in a road corridor or where the works:                             <ol style="list-style-type: none"> <li>a. involve installation at least 1m below ground level;</li> <li>and</li> <li>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</li> <li>and</li> <li>c. have an entry point either:                                     <ol style="list-style-type: none"> <li>i. located outside of the root protection area;</li> <li>or</li> <li>ii. with an area of less than 1m<sup>2</sup>;</li> </ol> </li> </ol> </li> <li>3. the activity does not involve earthworks in the following areas (except where located in a road corridor or accessway, or involve an extension to existing</li> </ol>	<p><b>Activity status when compliance with EI-R46 (1) to (4) and (6) not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operation considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD8 - Water supply, wastewater system, and stormwater infrastructure</li> </ul> <p><b>Activity status when compliance with EI-R46 (5) not achieved: DIS</b></p>
<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. compliance is achieved with the relevant built form standards for the relevant zone or overlay;</li> <li>2. the activity does not involve earthworks in the root protection area of a notable tree, except where located in a road corridor or where the works:                             <ol style="list-style-type: none"> <li>a. involve installation at least 1m below ground level;</li> <li>and</li> <li>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods;</li> <li>and</li> <li>c. have an entry point either:                                     <ol style="list-style-type: none"> <li>i. located outside of the root protection area;</li> <li>or</li> <li>ii. with an area of less than 1m<sup>2</sup>;</li> </ol> </li> </ol> </li> <li>3. the activity does not involve earthworks in the following areas (except where located in a road corridor or accessway, or involve an extension to existing</li> </ol>	<p><b>Activity status when compliance with EI-R46 (1) to (4) and (6) not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MD1 - Historic heritage and the natural environment</li> <li>EI-MD2 - Amenity values, location and design</li> <li>EI-MD3 - Operation considerations</li> <li>EI-MD4 - Health and safety</li> <li>EI-MD8 - Water supply, wastewater system, and stormwater infrastructure</li> </ul> <p><b>Activity status when compliance with EI-R46 (5) not achieved: DIS</b></p>		

<p>infrastructure adjoining a site, or where works are by trenchless means):</p> <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. SNAs;</li> <li>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>199</sup>;</li> </ol> <p>4. new stormwater infrastructure storage, retention, detention or treatment facilities and devices and outfall structures are not located in the following areas:</p> <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. SNAs;</li> </ol> <p>5. new wastewater system treatment plants and outfall structures are not located in the following areas:</p> <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. settings with heritage values, and archaeological sites;</li> <li>c. ONF, ONL and SAL;</li> <li>d. areas of ONC, VHNC and HNC;</li> <li>e. natural character of scheduled freshwater bodies setbacks;</li> <li>f. SNAs;</li> <li>g. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>200</sup>;</li> <li>h. Residential Zones, Commercial and</li> </ol>	
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<sup>199</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report.

<sup>200</sup> Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd [62.6]. EI Reply Report

	<p>Mixed Use Zones, Special Purpose Zones, or Open Space and Recreation Zones; and</p> <p>6. new water supply storage and treatment facilities are not located in the following areas:</p> <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. ONF, ONL and SAL;</li> <li>c. areas of ONC, VHNC and HNC;</li> <li>d. natural character of scheduled freshwater bodies setbacks;</li> <li>and</li> <li>e. SNAs.</li> </ol> <p>7. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7.</u></p> <p>201</p>	
<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• Check the ECOP for the relevant infrastructure design standard or construction specification standard.</li> <li>• Check for any relevant Regional Council provisions.</li> <li>• Check any relevant Stormwater Management Plans and Integrated Catchment Management Plans.</li> <li>• May also require building consent from the District Council.</li> </ul>		
<p><b>EI-R47 New rainwater collection systems for non-potable use</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. in Residential Zones, Special Purpose Zone (Kāinga Nohoanga), and Special Purpose Zone (Pines Beach and Kairaki Regeneration), new rainwater tanks shall comply with building height, road boundary and internal boundary setback</li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b> <b>Matters of discretion are restricted to:</b> EI-MD14 - Extent of effects <u>EW-MD1 - Activity operation, scale, form and location</u><sup>203</sup></p>

<sup>201</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>203</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.



	<p>requirements for the relevant zone.</p> <p>2. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>202</sup></p>	
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>The installation of rainwater tanks may also require building consent from the District Council.</li> </ul>	
<p><b>EI-R48 Requirement to provide water supply for firefighting</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>provision for sufficient water supply and access to water supplies for firefighting is available to all buildings (excluding accessory buildings <u>and infrastructure buildings</u><sup>204</sup> that are not habitable buildings) via the District Council's reticulated water supply (where available) in accordance with the SNZ PAS 4509:2008 New Zealand Fire Service Firefighting Water Supplies Code of Practice; or</li> <li>where a reticulated water supply compliant with SNZ PAS 4509:2008 is not available, or the only supply available is the controlled restricted rural type water supply which is not compliant with SNZ PAS 4509:2008, water supply and access to water supplies for firefighting shall be in accordance with the alternative firefighting water sources provisions of SNZ PAS 4509:2008.</li> </ol>	<p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b> EI-MD11 - Requirement to provide water supply for firefighting</p> <p><b>Notification</b> An application for a restricted discretionary activity under this rule is precluded from being publicly notified, but may be limited notified only to Fire and Emergency New Zealand where the consent authority considers this is required, absent its written approval.</p>

<sup>202</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>204</sup> Mainpower NZ Ltd [249.91]. EI Reply Report.

### Activity Rules - Irrigation/stockwater networks

<b>EI-R49</b>	<b>Maintenance, repair, and upgrade of existing community scale irrigation/stockwater networks</b>	
<b>Rural Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. the maintenance, repair, and upgrade (where upgrades exclude extension or expansion) is to existing diversion, intake, conveyance, storage, discharge and other ancillary facilities and structures for the reticulation and storage of water for agricultural and horticultural activities including irrigation and stockwater (excluding mobile irrigation equipment for agricultural and horticultural activities) that serves multiple sites and is centrally administered;</li> <li>2. <u>EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7 are met;</u></li> <li>3. <u>the disposal or stockpiling of any dredged material to land shall meet EW-S1, EW-R9 (stockpiling), EW-S2, and</u></li> <li>4. <u>the activity is undertaken by the Crown, Regional Council, District Council or their nominated agent.</u> <sup>205</sup></li> </ol>	<p><b>Activity status when compliance not achieved:</b> <b><u>N/A RDIS</u></b></p> <p><b><u>Matters of discretion are restricted to:</u></b> <b><u>EI-MD1 - Historic heritage and the natural environment</u></b> <sup>206</sup></p>
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• A check should be made of the Stockwater Race Bylaw 2019 for any other requirements that may apply.</li> </ul>	
<b>EI-R50</b>	<b>New, or extension or expansion of existing, community scale irrigation/stockwater</b>	

<sup>205</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>206</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

networks		
<b>Rural Zones</b>	<b>Activity status: DIS</b> Where: 1. the new, or extension or expansion of existing, diversion, intake, conveyance, storage, discharge and other ancillary facilities and structures is for the reticulation and storage of water for agricultural and horticultural activities including irrigation and stockwater (excluding mobile irrigation equipment for agricultural and horticultural activities) that serves multiple sites and is centrally administered.	<b>Activity status when compliance not achieved: N/A</b>
<b>Advisory Note</b> <ul style="list-style-type: none"> <li>A check should be made of the Stockwater Race Bylaw 2019 for any other requirements that may apply.</li> </ul>		

### Activity Rules - Managing effects of activities and development on the National Grid

EI-R51 Activities and development (other than earthworks) within a National Grid Yard		
<b>All Zones</b>	<b>Activity status: PER</b> Where: <u>1. the activity is not a sensitive activity;</u> <u>2. buildings or structures comply with NZECP34: 2001 and are:</u> <u>a. for a network utility;</u> <u>or</u> <u>b. a fence not exceeding 2.5m in height above ground level; or</u> <u>c. a non-habitable building or structure used for agricultural and horticultural activities (including irrigation) that is not:</u>	<b>Activity status when compliance not achieved: NC Notification</b> An application under this rule is precluded from being publicly notified, but may be limited notified only to Transpower NZ Ltd where the consent authority considers this is required, absent its written approval.

	<p>i. <u>a milking shed/dairy shed (excluding the stockyards and ancillary platforms),</u></p> <p>ii. <u>a wintering barn,</u></p> <p>iii. <u>a building for intensive indoor primary production<sup>207_208</sup> or</u></p> <p>iv. <u>a commercial greenhouse or</u></p> <p>v. <u>produce packing facilities;</u></p> <p>d. <u>building alterations or additions to an existing building or structure that do not increase the height above ground level or footprint of the existing building or structure;</u></p> <p>3. <u>a building or structure provided for by (2)(a) to (d) must:</u></p> <p>a. <u>not be used for the handling or storage of hazardous substances with explosive or flammable intrinsic properties in greater than domestic scale quantities;</u></p> <p>b. <u>not permanently obstruct existing vehicle access to a National Grid support structure;</u></p> <p>c. <u>be located at least 12m from the outer visible edge of a foundation of a National Grid support structure, except where it is a fence not exceeding</u></p>	
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<sup>207</sup> Transpower NZ Ltd [195.43]. El Reply Report.

<sup>208</sup> Horticulture NZ [295.80]. El Reply Report.

	<p><u>2.5m height above ground level that is located at least 6m from the outer visible edge of a foundation of a National Grid support structure.</u><sup>209</sup></p> <p><del>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:</del></p> <p><del>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;</del></p> <p><del>b. fences no greater than 2.5m in height above ground level and no closer than 6m from the nearest National Grid support structure;</del></p> <p><del>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:</del></p> <p><del>i. meets the requirements of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe</del></p>	
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<sup>209</sup> Transpower NZ Ltd [195.43]. El Reply Report.

	<p style="color: red;">Distances for separation distances from the conductor;</p> <p style="color: red;">ii. is a maximum of 2.5m in height above ground level;</p> <p style="color: red;">iii. is removable or temporary, to allow clear working space 12m from the pole when necessary for maintenance and emergency repair purposes;</p> <p style="color: red;">iv. allows all weather access to the pole and a sufficient area for maintenance equipment, including a crane;</p> <p style="color: red;">d. any new non-habitable building less than 2.5m in height above ground level and 10m<sup>2</sup> in floor area;</p> <p style="color: red;">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 style="color: red;">f. mobile irrigation equipment used for agricultural and horticultural activities;</p> <p style="color: red;">g. other than reticulation and storage of water in dams or reservoirs in (a) above.</p>	
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	<p><del>reticulation and storage of water for irrigation purposes provided that it does not permanently physically obstruct vehicular access to a National Grid support structure;</del></p> <p><del>h. building alteration 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</del></p> <p><del>a. 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.<sup>210</sup></del></p>	
<p><b>All Zones</b></p>	<p><b>Activity status: NC</b> Where:</p> <p><del>1. activities and development within a National Grid Yard involve the following:</del></p> <p><del>a. any activity and development that permanently physically impedes vehicular access to a National Grid support structure;</del></p> <p><del>b. any new building for a sensitive activity;</del></p> <p><del>c. any change of use to a sensitive activity or the establishment of a new sensitive activity;</del></p> <p><del>d. dairy/milking sheds or buildings for intensive</del></p>	<p><b>Activity status when compliance not achieved:</b> <b>N/A<sup>211</sup></b></p>

<sup>210</sup> Transpower NZ Ltd [195.43]. El Reply Report.

<sup>211</sup> Transpower NZ Ltd [195.43]. El Reply Report.

	<p>farming or wintering barns; and  <del>e. any hazardous facility that involves the storage and handling of hazardous substances with explosive or flammable intrinsic properties within 12m of the centreline of a National Grid transmission line.</del></p> <p><b>Notification</b>  <del>An application under this rule is precluded from being publicly notified, but may be limited notified only to Transpower NZ Ltd where the consent authority considers this is required, absent its written approval.</del></p>	
<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>National Grid transmission lines are shown on the planning map.</li> </ul>		
<p><b>EI-R52</b> <b>Earthworks (<del>other than quarry or landfill</del>)<sup>212</sup> <u>and the disturbance of land for the installation of fence posts</u><sup>213</sup> within a National Grid Yard</b></p>		
<p><b>All Zones</b></p>	<p><b>Activity status: PER</b>  Where:  1. <del>around National Grid support towers:<sup>214</sup> earthworks and the disturbance of land for the installation of fence posts shall be no deeper than 300mm within 6m of a foundation of a National Grid support structure.<sup>215</sup></del>  <del>a. depth shall be no deeper than 300mm within 6m of a foundation of a National Grid support structure;</del>  <del>b. depth shall be no deeper than 3m:</del>  <del>i. between 6m and 12m from the</del></p>	<p><b>Activity status when compliance with EI-R52 (1) not achieved: RDIS</b>  <b>Matters of discretion are restricted to:</b>  <u>EI-MD1 - Historic heritage, cultural values and the natural environment</u><sup>221</sup>  EI-MD12 - National Grid</p> <p><b>Activity status when compliance with EI-R52 (2) to (5) not achieved: NC</b>  <b>Notification</b>  An application for a restricted discretionary activity under this rule is precluded from being publicly notified, but may be limited notified only to Transpower NZ Ltd where the consent authority considers this is required, absent its written approval.</p>

<sup>212</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>213</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>214</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>215</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>221</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.



<p>foundation of a 220kV or a 350kV National Grid support structure; or</p> <p>ii. between 6m and 10m from the foundation of a 66kV National Grid support structure;<sup>216</sup></p> <p>2. earthworks <u>and the disturbance of land for the installation of fence posts</u><sup>217</sup> shall not compromise the stability of a National Grid support structure;</p> <p>3. earthworks <u>and the disturbance of land for the installation of fence posts</u><sup>218</sup> shall not result in a reduction in the ground to conductor clearance distances below what is required by Table 4 of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances; and</p> <p>4. earthworks <u>and the disturbance of land for the installation of fence posts</u><sup>219</sup> shall not result in <u>existing</u><sup>220</sup> vehicular access to a National Grid support structure being permanently obstructed.</p>	
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<b>EI-R52A<sup>222</sup> Earthworks within a National Grid Yard</b>		
<b>All Zones</b>	<b>Activity status: RDIS</b> <b>Where:</b> 1. <u>earthworks are more than 300mm deep and less</u>	<b>Matters of discretion are restricted to:</b> <u>EI-MD12 National Grid</u>  <b>Activity status when compliance not achieved:</b> <b>NC</b>

<sup>216</sup> Transpower NZ Ltd [195.44]. EI Reply Report.  
<sup>217</sup> Transpower NZ Ltd [195.44]. EI Reply Report.  
<sup>218</sup> Transpower NZ Ltd [195.44]. EI Reply Report.  
<sup>219</sup> Transpower NZ Ltd [195.44]. EI Reply Report.  
<sup>220</sup> Transpower NZ Ltd [195.44]. EI Reply Report.  
<sup>222</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

	<p><u>than 3m deep:</u></p> <ol style="list-style-type: none"> <li>a. <u>between 6m and 12m from the foundation of a 220kV or a 350kV National Grid support structure;</u></li> <li>or</li> <li>b. <u>between 6m and 10m from the foundation of a 66kV National Grid support structure;</u></li> </ol> <ol style="list-style-type: none"> <li>2. <u>earthworks shall not compromise the stability of a National Grid support structure;</u></li> <li>3. <u>earthworks shall not result in a reduction in the ground to conductor clearance distances below what is required by Table 4 of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances; and</u></li> <li>4. <u>earthworks and the disturbance of land for the installation of fence posts shall not result in existing vehicular access to a National Grid support structure being permanently obstructed.</u></li> </ol>	<p><b><u>Notification</u></b>  <u>An application for a restricted discretionary activity under this rule is precluded from being publicly notified, but may be limited notified only to Transpower NZ Ltd where the consent authority considers this is required, absent its written approval.</u><sup>223</sup></p>
	<p><b>Exemptions</b>                  This rule does not apply to:</p> <ul style="list-style-type: none"> <li>• earthworks undertaken by a network utility (<del>other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes</del>);<sup>224</sup></li> <li>• earthworks undertaken as part of agricultural or domestic cultivation; or repair, sealing or resealing of a road, footpath, driveway or farm track; and</li> <li>• earthworks for which a dispensation has been granted by Transpower NZ Ltd under the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> </ul>	
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• National Grid transmission lines are shown on the planning map.</li> </ul>	
<p><b>EI-R53</b></p>	<p><b><del>Any quarry or landfill on the same site as a National Grid support structure</del></b><sup>225, 226</sup></p>	

<sup>223</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>224</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<p><b>All Zones</b></p>	<p><b>Activity status: RDIS</b>  <b>Matters of discretion are restricted to:</b>                  EI-MD12—National Grid  <b>Notification</b>                  An application for a restricted discretionary activity under this rule is precluded from being publicly notified, but may be limited notified only to Transpower NZ Ltd where the consent authority considers this is required, absent its written approval.</p>	<p><b>Activity status when compliance not achieved:</b>                  N/A</p>
<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• National Grid transmission lines are shown on the planning map.</li> </ul>		

### Activity Rules - Managing effects of activities and development on major electricity distribution lines

EI-R54	Earthworks adjacent to a <b>66kV or 33kV major</b> <sup>227</sup> electricity distribution line	
<p><b>All Zones</b></p>	<p><b>Activity Status: PER</b>                  Where:</p> <ol style="list-style-type: none"> <li>1. <u>earthworks shall be setback at least 6m from the centreline of a major electricity distribution line as shown on the planning map; or</u><sup>228</sup> <u>earthworks shall not exceed 3m in depth between 6m and 10m from the visible outer edge of a foundation of a 66kV or 33kV electricity distribution line pole or tower</u><sup>229</sup>;</li> <li>2. <u>earthworks shall meet the following requirements:</u> <ol style="list-style-type: none"> <li>a. <u>be no deeper than 300mm within 2.2m of the foundation of the major electricity</u></li> </ol> </li> </ol>	<p><b>Activity status when compliance not achieved:</b>  <b>RDIS-NC</b><sup>234</sup>  <b>Matters of discretion are restricted to:</b>                  EI-MD13—Major electricity distribution lines<sup>235</sup>  <b>Notification</b>                  An application for a <del>restricted discretionary non-complying</del><sup>236</sup> activity under this rule is precluded from being publicly notified, but may be limited notified only to the relevant electricity distribution line operator where the consent authority considers this is required, absent its written approval.</p>

<sup>225</sup> Transpower NZ Ltd [195.44]. EI Reply Report.

<sup>226</sup> Federated Farmers of NZ Inc. [414.83]. EI Reply Report.

<sup>227</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>228</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>229</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>234</sup> Mainpower [249.93]. EI Reply Report.

<sup>235</sup> Mainpower [249.93]. EI Reply Report.

<sup>236</sup> Mainpower [249.93]. EI Reply Report.

	<p><u>distribution line pole, pi-pole or tower; and</u>  <u>b. be no deeper than 0.75m between 2.2m and 6m from the foundation of the major electricity distribution line pole, pi-pole or tower; and</u><sup>230</sup></p> <p><u>a.c.</u> shall not destabilise a <del>66kV or 33kV</del><u>major</u><sup>231</sup> electricity distribution line pole, <u>pi-pole</u><sup>232</sup> or tower; and</p> <p><u>2.3.</u> earthworks shall not result in a reduction in the ground to conductor clearance distances below what is required by Table 4 in NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances, unless the requirements of Clause 2.2.3 of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances are met.</p> <p><u>4. the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7</u><sup>233</sup></p>	
	<p><b>Exemptions</b>                  This rule does not apply to:</p> <ul style="list-style-type: none"> <li>• earthworks undertaken as part of agricultural or domestic cultivation; or repair, sealing or resealing of a road, footpath, driveway or vehicle access track;</li> <li>• earthworks that are undertaken by a network utility operator <u>or their approved contractor on behalf of the network utility operator</u><sup>237</sup> (other than for the</li> </ul>	

<sup>230</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>231</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>232</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>233</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<sup>237</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

	<p>reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes);</p> <ul style="list-style-type: none"> <li>• earthworks for which <del>a dispensation has been granted prior written consent has been provided</del><sup>238</sup> by the relevant electricity distribution line operator under the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances;</li> <li>• <del>vertical holes not exceeding 500mm in diameter provided they:</del> <ul style="list-style-type: none"> <li>○ <del>are more than 1.5m from the visible outer edge of a pole or stay wire; or</del></li> <li>○ <del>are a post hole for a farm fence or horticultural structure more than 6m from the visible outer edge of a tower.</del><sup>239</sup></li> </ul> </li> </ul>	
	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• <b>66kV/33kV Major</b><sup>240</sup> electricity distribution lines are shown on the planning map.</li> <li>• Vegetation to be planted around electricity distribution lines should be selected and managed to ensure that it will not breach the Electricity (Hazards from Trees) Regulations 2003.</li> <li>• The NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances contains restrictions on the location of activities and development in relation to electricity distribution lines. Activities and development in the vicinity of these lines must comply with NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> </ul>	
<b>EI-R55</b>	<p><b>Network utilities within <del>10m</del> <b>6m</b><sup>241</sup> of the centre line of a <del>66kV or 33kV</del> <b>major</b><sup>242</sup> electricity distribution line</b></p>	
<b>All Zones</b>	<p><b>Activity status: PER</b> Where:</p> <ol style="list-style-type: none"> <li>1. the network utility complies with the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> </ol>	<p><b>Activity status when compliance not achieved: NC</b></p> <p><b>Notification</b> <u>An application under this rule is precluded from being publicly notified, but may be limited notified only to the relevant electricity distribution line operator where the consent authority considers this is required, absent its written approval.</u><sup>243</sup></p>
	<p><b>Advisory Note</b></p> <ul style="list-style-type: none"> <li>• <b>66kV/33kV Major</b><sup>244</sup> electricity distribution lines are shown on the planning map.</li> </ul>	
<b>EI-R56</b>	<p><b>Activities and development (other than earthworks or network utilities) adjacent to a <del>66kV or 33kV</del> <b>major</b><sup>245</sup> electricity distribution line</b></p>	
<b>All Zones</b>	<p><b>Activity status: NC</b> Where:</p> <ol style="list-style-type: none"> <li>1. <u>new, or expansion or extension of existing.</u><sup>246</sup></li> </ol>	<p><b>Activity status when compliance not achieved: N/A</b></p>

<sup>238</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>239</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>240</sup> Mainpower NZ Ltd [249.92]. EI Reply Report.

<sup>241</sup> Mainpower NZ Ltd [249.93]. EI Reply Report.

<sup>242</sup> Mainpower NZ Ltd [249.93]. EI Reply Report.

<sup>243</sup> Chorus, Spark and Vodafone [62.35]. EI Reply Report.

<sup>244</sup> Mainpower NZ Ltd [249.93]. EI Reply Report.

<sup>245</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.

<sup>246</sup> Mainpower NZ Ltd [249.95]. EI Reply Report.

<p>activities and development adjacent to a <del>66kV or 33kV major</del><sup>247</sup> electricity distribution line involve the following:</p> <p><del>a. new a sensitive activity and or a new buildings or structure</del><sup>248</sup> (excluding accessory buildings)<sup>249</sup> within <del>6m</del><sup>250</sup> of the centreline of a <del>66kV or 33kV major</del><sup>251</sup> electricity distribution line or within <del>10m</del> <del>6m</del><sup>252</sup> of the <del>visible outer edge of a</del><sup>253</sup> foundation of <del>an associated a pole, pi-pole</del><sup>254</sup> or tower; <del>and or</del></p> <p><del>a-b. does not comply</del><sup>255</sup> with the <u>requirements of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</u><sup>256</sup></p> <p><del>b. new fences more than 2.5m high and within 5m of the visible outer edge of a foundation for a 66kV or 33kV electricity distribution line, pole or tower.</del><sup>257,258</sup></p>	
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<sup>247</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>248</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>249</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>250</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>251</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>252</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>253</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>254</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>255</sup> Note the Reply report incorrectly shows this track change.  
<sup>256</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>257</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.  
<sup>258</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.

	<p><b>Notification</b></p> <p>An application under this rule is precluded from being publicly notified, but may be limited notified only to the relevant electricity distribution line operator where the consent authority considers this is required, absent its written approval.</p>	
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	<p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>• <b>66kV/33kV Major</b><sup>259</sup> electricity distribution lines are shown on the planning map.</li> <li>• Vegetation to be planted around electricity distribution lines should be selected and managed to ensure that it will not breach the Electricity (Hazards from Trees) Regulations 2003.</li> <li>• The NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances contains restrictions on the location of activities and development in relation to electricity distribution lines. Activities and development in the vicinity of these lines must comply with NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> </ul>
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## Matters of Discretion

<p><b>EI-MD1</b></p>	<p><b>Historic heritage, cultural values and the natural environment</b></p> <ol style="list-style-type: none"> <li>1. The extent of any adverse landscape and visual effects, including cumulative effects, on ONF, ONL and SAL; or on areas of ONC, VHNC or HNC; or on the natural character of scheduled freshwater bodies setbacks; or on the coastal environment.</li> <li>2. The extent to which infrastructure has a functional need or operational need for its location, the practicality of avoidance, and the viability of alternative locations, routes, sites, structures and construction methods.</li> <li>3. The extent of any effects on SNAs or any notable tree and, the nature of any advice provided by an ecologist with respect to SNAs or indigenous vegetation clearance or arborist with respect to notable trees.</li> <li>4. The extent of any social, economic, environmental and cultural benefits.</li> <li>5. The extent of any effects on historic heritage, including consideration of the need to impose an accidental discovery protocol or have a cultural or archaeological monitor present (including the resourcing).</li> <li>6. Outcomes of any consultation undertaken with Te Ngāi Tūāhuriri Rūnanga and Heritage NZ Pouhere Taonga.</li> <li>7. Likely effectiveness of the mitigation proposed, including any cultural or archaeological monitoring.</li> <li>8. Any relevant matter set out in NFL-MD1, <a href="#">HH-MD1</a>, <a href="#">TREE-MD1</a>, <a href="#">SASM-MD1</a>, <a href="#">SASM-MD2</a>, <a href="#">SASM-MD3</a>, <a href="#">ECO-MD1</a>, <a href="#">NATC-MD4</a>, <a href="#">CE-MD1</a>, and <a href="#">EW-MD1 - EW-MD8</a>.<sup>260</sup></li> </ol>
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<sup>259</sup> Mainpower NZ Ltd [249.94]. EI Reply Report.

<sup>260</sup> Transpower New Zealand Ltd [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51]. EI Reply Report.

<p><b>EI-MD2</b></p>	<p><b>Amenity values, location and design</b></p> <ol style="list-style-type: none"> <li>1. The practicality and effectiveness of screening the infrastructure <u>where necessary</u>.<sup>261</sup></li> <li>2. For infrastructure attached to other structures, the extent to which the infrastructure is within the visual envelope of an existing structure, and the extent to which the colour and design of the infrastructure corresponds to the existing structure.</li> <li>3. The extent of consideration of the number, size, location and design of any other existing infrastructure in the vicinity.</li> <li>4. The extent to which any adverse effects of the infrastructure have been avoided, remedied or mitigated by the route, site and construction method selection.</li> <li>5. The extent to which the location and size of the infrastructure impacts on the ability of people to access any existing facility or activity on the site.</li> </ol>
<p><b>EI-MD3</b></p>	<p><b>Operational considerations</b></p> <ol style="list-style-type: none"> <li>1. The extent to which the location and scale of structures proposed are necessary to meet the operational need or functional need of the infrastructure.</li> <li>2. The extent to which placing infrastructure underground is unreasonable in terms of technical constraints, additional costs or environmental effects.</li> <li>3. The extent to which there is any risk to, and effects on, the operation, maintenance, upgrading and development of the infrastructure.</li> <li>4. The extent to which buildings, other structures or vegetation obstruct or otherwise adversely affect radiocommunication pathways, either individually or cumulatively, and the extent to which such adverse effects can be avoided, remedied or mitigated.</li> </ol>
<p><b>EI-MD4</b></p>	<p><b>Health and safety</b></p> <ol style="list-style-type: none"> <li>1. The extent to which the infrastructure will be located in close proximity to any sensitive activity, and the extent of any effect on human health.</li> </ol>
<p><b>EI-MD5</b></p>	<p><b>Electricity generation</b></p> <ol style="list-style-type: none"> <li>1. The extent to which the infrastructure will make a meaningful contribution to renewable electricity generation targets.</li> <li>2. The distance between the infrastructure and residences, public places, or places from which the infrastructure would be visible, and the extent to which the infrastructure would pose significant adverse visual effects on or dominate the surrounding landscape.</li> <li>3. The extent to which views to the infrastructure are expansive or constrained.</li> <li>4. The extent to which the design, siting and size of the infrastructure responds to its landscape context.</li> <li>5. The relative elevation of the infrastructure, in relation to residences, public places or place from which the infrastructure will be visible, including the extent to which the infrastructure is located on a ridgeline or series of ridgelines, or would form part of a skyline.</li> <li>6. Number, design and extent of wind turbines and associated structures, and predominant orientation in relation to the landform.</li> <li>7. Effects on topography, landforms and geological forms.</li> <li>8. Ecological effects including any loss of indigenous flora, fauna, habitat and effects on riparian margins.</li> <li>9. Effects on adjoining land uses of noise levels, noise modulation, glint/glare, and shadow flicker.</li> <li>10. Need to locate wind turbines and associated structures where the wind resource is available and the quality of the wind resource.</li> </ol>

<sup>261</sup> Transpower NZ Ltd [195.46]. EI Reply Report.



	<ol style="list-style-type: none"> <li>11. Extent and visibility of roads, access tracks, earthworks and vegetation clearance associated with the construction, operation or maintenance of the infrastructure.</li> <li>12. For solar cells, as well as the above matters:             <ol style="list-style-type: none"> <li>a. the time of day, year, and time per day when adjoining or adjacent sites would be affected by reflected solar glare and the degree of luminescence;</li> <li>b. the number of sites affected and their relative proximity; and</li> <li>c. whether there is a hazard from any glare.</li> </ol> </li> <li>13. The necessity for electricity generation other than renewable electricity generation in the District's electricity supply network, including for resilience.</li> </ol>
<p><b>EI-MD6</b></p>	<p><b>Electricity transmission and electricity distribution</b></p> <p><u>1A. The distance between the infrastructure and residences, public places, or places from which the infrastructure would be visible, and the extent to which the infrastructure would pose significant adverse visual effects on or dominate the surrounding landscape.</u><sup>262</sup></p> <p><u>1B. Extent and visibility of roads, access tracks, earthworks and vegetation clearance associated with the construction, operation or maintenance of the infrastructure.</u><sup>263</sup></p> <p><del>1. Extent of effects on access to and the operation, maintenance, upgrade development and structural integrity of the electricity transmission and electricity distribution network.</del><sup>264</sup></p> <p>2. Extent of compliance with the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</p> <p><del>3. Nature of technical advice provided by infrastructure operators and extent of compliance with it.</del><sup>265</sup></p> <p>4. Risk of electrical hazards affecting public safety and risk of property damage.</p> <p><u>5. The benefits of the related infrastructure.</u><sup>266</sup></p>
<p><b>EI-MD7</b></p>	<p><b>Gas distribution pipeline and fuel systems</b></p> <ol style="list-style-type: none"> <li>1. Effects on access to and the operation, maintenance, upgrade, development and structural integrity of gas distribution pipeline and fuel systems.</li> <li>2. Technical advice provided by infrastructure operators.</li> <li>3. Hazards affecting public safety and risk of property damage.</li> </ol>
<p><b>EI-MD8</b></p>	<p><b>Water supply, wastewater system, and stormwater infrastructure</b></p> <ol style="list-style-type: none"> <li>1. The requirements of the ECOP, and any other relevant regulations.</li> <li>2. The extent to which the proposed servicing will adequately serve its intended purpose.</li> <li>3. The extent to which existing infrastructure is available to connect to.</li> <li>4. The extent to which the infrastructure will incorporate existing indigenous vegetation, or proposes new planting of indigenous vegetation naturally occurring within the ecological district within which planting will take place or of ecologically similar origin.</li> <li>5. The extent of any actual or potential adverse effects on the capacity, efficiency and function of existing infrastructure.</li> <li>6. The provision for, and protection of, the flood storage and conveyance capacity of waterways.</li> <li>7. The requirements of AS/NZS 1547:2012 On-site Domestic Wastewater Management.</li> <li>8. The extent to which interference with public use and enjoyment of open space and</li> </ol>

<sup>262</sup> Transpower NZ Ltd [195.49]. EI Reply Report.

<sup>263</sup> Transpower NZ Ltd [195.49]. EI Reply Report.

<sup>264</sup> Transpower NZ Ltd [195.49]. EI Reply Report.

<sup>265</sup> Transpower NZ Ltd [195.49]. EI Reply Report.

<sup>266</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

	<p>recreation land is or can be minimised where infrastructure is located or proposed to be located in Open Space and and Recreation Zones.</p> <p>9. The extent to which safe and direct access can be provided to enable the maintenance of infrastructure.</p> <p>10. The extent to which there will be health and safety adverse effects associated with infrastructure and the extent to which these can be avoided, remedied or mitigated.</p> <p>11. The outcome of any consultation undertaken with the District Council regarding the availability, adequacy or suitability of the water supply, wastewater system or stormwater infrastructure servicing proposed.</p>
<b>EI-MD9</b>	<p><b>Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure</b></p> <p>1. The ability to integrate with the landscape, follow natural contours, and mitigate adverse effects.</p> <p>2. The extent of <u>non-compliance</u><sup>267</sup> with<sup>268</sup> <u>Earthworks standards EW-S1 to EW-S7</u>.<sup>269</sup></p> <p>3. Relevant assessment matters in the Earthworks Chapter <u>and, where resource consent is required by Rules EI-R2 and EI-R23</u><sup>270</sup>, for the <sup>271</sup>overlay.</p> <p>1. <u>4. The benefits of the related infrastructure</u>.<sup>272</sup></p>
<b>EI-MD10</b>	<p><b>Relocation of existing infrastructure</b></p> <p>1. The extent to which the existing alignment or location is within a road corridor and relocation over a greater distance is necessary to ensure the infrastructure remains within the road corridor due to road widening or realignment.</p> <p>2. The extent to which relocation over a greater distance is necessary for safety, access, operational need or functional need reasons.</p> <p>3. The extent to which relocation would result in the infrastructure being located in the following areas, and relocation over a greater distance is necessary to avoid or minimise encroachment into such areas:</p> <ol style="list-style-type: none"> <li>the root protection area of a notable tree;</li> <li>places with heritage values;</li> <li>Wāhi Tapu sites; and</li> <li>SNAs.</li> </ol> <p>4. <u>The benefits of infrastructure</u>.<sup>273</sup></p>
<b>EI-MD11</b>	<p><b>Requirement to provide water supply for firefighting</b></p> <p>1. The extent to which sufficient firefighting water supply is available to ensure the health and safety of the community, including neighbouring sites.</p> <p>2. The suitability of the proposed water supply for firefighting purposes (the District Council may obtain a report from the Chief Fire Officer), including the extent of compliance with SNZ PAS 4509:2008 New Zealand Fire Service Firefighting Water Supplies Code of Practice.</p>
<b>EI-MD12</b>	<p><b>National Grid</b></p> <p>1. The extent of any impacts on the operation, maintenance, upgrading and development of the National Grid.</p> <p>2. The risk to the structural integrity of any affected National Grid support structure(s).</p> <p>3. The extent of any impact on the ability of the National Grid owner (Transpower NZ</p>

<sup>267</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>268</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>269</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>270</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>271</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>272</sup> Transpower NZ Ltd [195.50]. EI Reply Report.

<sup>273</sup> Transpower NZ Ltd [195.51]. EI Reply Report.

	<p>Ltd) to access the National Grid.</p> <p>4. The risk of electrical hazards affecting public or individual safety, and the risk of property damage.</p>
<b>EI-MD13</b>	<p><del>Major electricity distribution lines<sup>274</sup></del></p> <p><del>1. The extent of any impacts on the operation, maintenance, upgrading and development of the electricity distribution network.</del></p> <p><del>2. The risk to the structural integrity of any affected electricity distribution line support structure(s).</del></p> <p><del>3. The extent of any impact on the ability of the relevant electricity distribution network operator to access the electricity distribution network.</del></p> <p><del>4. The risk of electrical hazards affecting public or individual safety, and the risk of property damage.</del></p>
<b>EI-MD14</b>	<p><b>Extent of effects</b></p> <p>1. The extent of <u>non-compliance</u><sup>275</sup> with the relevant standard(s), and the extent of any effects of non-compliance with the relevant standard(s) including cumulative effects.</p> <p>2. <u>The benefits of the infrastructure.</u><sup>276</sup></p>

<sup>274</sup> Mainpower NZ Ltd [249.103]. EI Reply Report.

<sup>275</sup> Transpower NZ Ltd [195.53]. EI Reply Report.

<sup>276</sup> Transpower NZ Ltd [195.53]. EI Reply Report.