

Appendix 2: Recommended amendments

Legend:

- Proposed amendments recommended by the s42a report are highlighted in yellow.
- Proposed amendments recommended by the right of reply report are highlighted in blue.

Definitions	
IMPORTANT INFRASTRUCTURE	Those necessary facilities, services, and installations which are critical or of significance to either New Zealand, Canterbury, or Selwyn. This may include but are not limited to: f. <u>the National Grid</u> Electricity transmission networks ¹ <u>t. Rolleston Prison.</u> ²
MINOR UTILITY STRUCTURE	Any above ground box-like structure or enclosure associated with a network utility or that receives or transmits to or from any part of a network utility and includes: ³ a. smart meters; b. cabinets <u>(excluding electricity cabinets)</u> c. kiosks d. electricity junction pillars; e. transformers; f. switchgear;

¹ 446-005 Transpower

² 300-001 Corrections

³ 441-019 Trustpower

	...
NATIONAL SUBDIVISION CORRIDOR	<p>GRID</p> <p>The area measured:</p> <p>a. 14m either side of the centreline of an above ground 66kV and 110kV a National gGrid-transmission lines on single poles;</p> <p>b. 16m either side of the centreline of an above ground 66kV National Grid transmission line on pi poles or triple poles;</p> <p>c. 32m either side of the centreline of an above ground 66kV National Grid transmission line on towers (and tubular steel monopoles where these replace towers);</p> <p>b d. 37m either side of the centreline of an above ground 220kV National Grid national grid-transmission lines on towers (and tubular steel monopoles where these replace towers);</p> <p>€ e. 39m either side of the centreline of an above ground 350kV National Grid national grid transmission lines on towers (and tubular steel monopoles where these replace towers).⁴</p>
NATIONAL GRID YARD	<p>The area measured:</p> <p>a. 12m in any direction from the outer visible <u>edge of a</u> foundation of a a National gGrid support structure; and</p> <p>b. 12m either side of the centreline of an above ground 220kV or 350kV National Grid transmission line overhead national grid line on pi poles and towers (and steel tubular monopoles where these replace towers); and</p> <p>c. 10m either side of the centreline of an above ground 66kV National Grid transmission line on single poles, pi poles, triple poles or towers an overhead national grid line on single poles.⁵</p>
NETWORK UTILITY	A project, work, system or structure that is a network utility operation undertaken by a network utility operator; <u>or any person who owns or operates a generator connected to distribution or transmission lines.</u>
RENEWABLE ELECTRICITY GENERATION ACTIVITIES	The construction, operation, <u>and</u> maintenance, <u>and upgrading</u> of structures associated with renewable electricity generation. ... ⁶
RENEWABLE ELECTRICITY GENERATION INVESTIGATIONS	Monitoring and measuring equipment and activities for potential <u>or the upgrade of existing</u> renewable electricity generation activities.
EI-Overview	

⁴ 446-008 Transpower

⁵ 446-009 Transpower

⁶ 441-020 Trustpower

EI-Overview	<p>....</p> <p>Accordingly, these activities are recognised through these specific provisions which that provide for their important function and service to the nation, region and community.</p> <p>Certain Activities must also comply with the rules managing effects, including reverse sensitivity effects in relation to on the National Grid and Significant Electricity Distribution Lines.</p> <p>...</p> <p>The Selwyn District contains the Coleridge Hydro Electric Power Scheme (Coleridge HEPS) which generates hydro-electricity for transmission via the National Grid use on the national electricity grid.⁷</p> <p>....</p> <p>Note:</p> <p>The Heritage New Zealand Pouhere Taonga Act 2014 applies, which makes it unlawful for any person to modify or destroy, or cause to be modified or destroyed, the whole or any part of an archaeological site without the prior authority of Heritage New Zealand. If you wish to do any work that may affect an archaeological site you must obtain an authority from Heritage New Zealand before you begin. This is the case regardless of whether the land on which the site is located is designated, or the activity is permitted under the District or Regional Plan or a resource or building consent has been granted. The Act provides for substantial penalties for unauthorised destruction or modification.</p> <p>An archaeological site is defined in the Heritage New Zealand Pouhere Taonga Act 2014 as any place in New Zealand (including buildings, structures, or shipwrecks) that was associated with pre-1900 human activity, where there is evidence relating to the history of New Zealand that can be investigated using archaeological methods.</p> <p>As mentioned above, before undertaking any work that may affect an archaeological site you must obtain an authority from Heritage New Zealand.⁸</p>
EI-Objectives	
EI-01	<p>Important infrastructure is⁹:</p> <p>1. is¹⁰ efficient, effective, and resilient;¹¹ and</p>

⁷ 446-022 Transpower

⁸ 269-004 Heritage NZ

⁹ 367-186 Orion and 371-022 CIAL

¹⁰ 367-186 Orion and 371-022 CIAL

¹¹ 371-022 CIAL

	<p>2. provides and distributes essential and secure services as part of local, regional, or national networks, including in emergencies; and</p> <p>3. <u>integrates coordinates</u>¹² with urban development and land uses throughout the district; and</p> <p>4. enables people and communities to provide for their wellbeing.</p>
EI-03	The <u>safe and efficient</u> operation and security of important infrastructure is not compromised by <u>other incompatible</u> activities <u>and reverse sensitivity effects</u> .
EI-04	<u>An Optimise and increased</u> renewable electricity generation outputs for national, regional, and local use while <u>mitigating managing</u> adverse effects on the environment and sensitive activities. ¹³
EI-05	To have greater small and community-scale renewable electricity generation, with generation surplus supplied to the <u>national</u> electricity distribution network. ¹⁴
EI-Policies	
EI-P1	<p>Recognise the benefits and national, regional, and local importance of important infrastructure by:</p> <p><u>1. providing for the use, operation, maintenance, development and removal of new important infrastructure throughout the district;</u></p> <p>1. <u>2.</u> enabling the operation, maintenance, <u>minor upgrading</u> and removal of existing important infrastructure throughout the District;</p> <p>2. <u>3.</u> providing for replacement and upgrades, including new technologies, to network utilities, and the development of new network utilities.</p> <p>3. <u>4.</u> providing for the functions and responsibilities of network utilities as lifeline utilities during an emergency.</p> <p>4. <u>5.</u> acknowledging that important infrastructure can have a functional need or operational need to locate in a particular area, including areas with high natural, visual amenity, <u>or cultural, or historic heritage</u> value¹⁵.</p>
EI-P2	<p>Minimise the adverse effects of important infrastructure, and renewable electricity generation on the physical and natural environment by:</p> <p>...</p> <p>3. limiting the presence and effects of development within Outstanding Natural Landscapes, Visual Amenity Landscapes, areas of significant indigenous vegetation and habitats of indigenous fauna, sites of historic heritage and site and areas of significance to Māori to those which:</p>

¹² 453-088 LPC

¹³ 441-031 Trustpower

¹⁴ 441-032 Trustpower

¹⁵ 367-194 Orion

	<p>...</p> <p>b.can demonstrate an operational, <u>technical</u>¹⁶ or functional requirement for the location; and</p> <p>...</p> <p><u>4.acknowledging the functional needs or operational needs of important infrastructure, including those practical constraints to locate in a particular area, including areas with high natural, visual amenity,-cultural, or historic heritage value; and</u></p> <p><u>4-5.</u> Requiring restoration of indigenous</p> <p><u>5.6.</u> considering biodiversity off-setting or compensation where the loss of significant indigenous vegetation cannot be restored <u>and</u> or <u>the effects on</u> significant habitats of indigenous fauna or wetlands cannot be <u>fully mitigated where the adverse effects cannot be avoided, or</u> remedied, <u>or mitigated</u>.¹⁷</p> <p><u>6.7.</u> Using the substantial upgrade of important infrastructure and renewable electricity generation as an opportunity to reduce existing adverse effects, <u>where the efficiency, effectiveness or resilience of the important infrastructure or renewable electricity generation is not compromised.</u></p>
EI-P3	Encourage the use of land transport corridors for the location of network utilities while maintaining the safe, <u>and</u> efficient <u>and effective</u> ¹⁸ operation of land transport infrastructure.
EI-P4	Manage the adverse effects from the construction and operation of important infrastructure, and renewable electricity generation, including noise, and vibration, <u>including</u> ¹⁹ by requiring compliance with standards and regulations, <u>or where this is not practicable with respect to construction noise, by mitigation or noise attenuation measures such as a Construction Noise Management Plan.</u>
EI-P5	Avoid radio, electric, and magnetic <u>fields emissions</u> that do not meet the recognised standards or guidelines ²⁰ .
EI-P6	<p><u>Reverse Sensitivity Effects on important infrastructure</u></p> <p>Avoid incompatible activities that may affect <u>or cause reverse sensitivity effects on</u> the efficient operation, maintenance, repair, <u>replacement</u>²¹, upgrading, renewal, or development of important infrastructure and renewable electricity generation unless the activity is located:</p>

¹⁶ 446-027 Transpower

¹⁷ 441-034 Trustpower

¹⁸ 375-023 Waka Kotahi

¹⁹ 448-109 NZDF and 453-093 LPC

²⁰ 446-030 Transpower

	<p>...</p> <p>2. in a position that does not obstruct access to important infrastructure as required for <u>operation</u>²², maintenance, <u>repair</u>, <u>replacement</u>, upgrading, <u>renewal, development</u>²³, or emergency purposes.</p>
EI-P9	<p>Provide for renewable electricity generation and renewable electricity generation activities across the District, while having particular regard to:</p> <p>1. The potential benefits of the proposed activity, particularly contributions to national energy objectives, or renewable electricity generation targets, <u>or climate change mitigation</u>;</p> <p>2. The technical and operational requirements of renewable electricity generation and renewable electricity generation activities;²⁴</p> <p>...</p>
EI-Rules	
Note for Plan Users	<p>...</p> <p>The Energy and Infrastructure chapter is designed to work in the following way:</p> <p>...</p> <p>1. Regarding energy or important infrastructure activities, while most of the relevant provisions are contained within this chapter, where an activity is located within the Port Zone or the Dairy Processing Zone (both of which are Special Purpose Zones), those chapter provisions must also be considered. Moreover, all activities must be assessed against the Transport chapter. Additionally, the objectives, policies, and methods for managing reverse sensitivity effects relating to noise sensitive activities establishing in proximity to important infrastructure are managed under the Noise Chapter of this Plan. <u>Except where there are direct cross-references, in all other circumstances this Chapter sets out all other provisions for energy or infrastructure activities.</u></p> <p>2. Where a rule or rule requirements from another chapter has been cross-referenced within this chapter, the relevant associated objectives and policies also apply <u>with</u> when assessing an application for resource consent.</p> <p>3. ...</p> <p><u>Notwithstanding any other rules in the District Plan, the Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 apply to the operation, maintenance, upgrading, relocation or removal of National Grid</u></p>

²¹ 367-196 Orion

²² 441-036 Trustpower

²³ 367-196 Orion

²⁴ 441-039 Trustpower

	<p>transmission lines that were operating or able to be operated on, or prior to, 14 January 2010 and remain part of the National Grid. In this case of conflict with any other provision in the District Plan, the NESETA prevails.</p> <p>...</p>	
EI-R1	Activities in the National Grid Yard	
All Zones	<p>Activity Status: PER</p> <p>1. The establishment of a new, or expansion of an activity within a National Grid Yard.</p> <p>Where:</p> <ul style="list-style-type: none"> a. The activity does not involve the reticulation or storage of water in open channels, dams, or reservoirs; or b. The activity does not involve the storage and/or handling of hazardous substances with explosive or flammable intrinsic properties; or c. The activity does not involve mineral extraction. <p>And where the activity complies with the following rule requirements: EI-REQ1 Access</p>	<p>Activity status when compliance not achieved:</p> <p>2. When compliance with any of EI-R1.1 is not achieved: NC</p> <p>3. When compliance with any rule requirement is not achieved: Refer to relevant Rule Requirement.</p> <p>Notification:</p> <p>4. Any application arising from EI-R1.2 shall not be subject to public notification and shall be limited notified to the following parties: Transpower, unless their written approval is provided.</p>
EI-R2	Structures in the National Grid Yard	
All Zones	<p>Activity Status: PER</p>	<p>Activity status when compliance not achieved:</p>

	<p>1. The establishment of a new, or expansion of an existing structure within the National Grid Yard.</p> <p>Where:</p> <p>a. The structure is not used for: a network utility;</p> <p>b. The structure is not used for habitation; and</p> <p>c. The structure is used for agricultural or horticultural activities, excluding</p> <ul style="list-style-type: none"> i. habitation; ii. produce packing; iii. a milking shed (other than stock yards and ancillary platforms)²⁵; iv. a wintering barn; v. intensive primary production; or vi. commercial greenhouse. <p>d. The expansion of the any existing structure does not occur to a structure listed in EI-R2ab-c.</p> <p>e. Any structure must be located at least 12 metres from the outer visible edge of a foundation of a National Grid transmission support structure, excluding</p> <ul style="list-style-type: none"> i. a fence consisting of non-conductive materials; ii. a fence consisting of conductive materials located at least 5m²⁶ from a National Grid transmission support structure; or iii. an artificial crop protection structure or crop support structure not exceeding 2.5 metres in height and located at least 8 metres from a National Grid transmission support structure that: <ul style="list-style-type: none"> a. is removable or temporary to allow a clear working space of 12 metres from the support structure for maintenance; and b. allows all weather access to the support structure and a sufficient area for maintenance equipment, including a crane.²⁷ <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ1 Access</p> <p>EI-REQ2 Fence Structure setback</p>	<p>2. When compliance with any of EI-R2.1 is not achieved: NC</p> <p>3. When compliance with any rule requirement listed in this rule is not achieved: Refer to relevant Rule Requirement.</p> <p>Notification:</p> <p>4. Any application arising from EI-R2.2 shall not be subject to public notification and shall be limited notified to the following parties: Transpower, unless their written approval is provided.</p>
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²⁵ 446-036 Transpower

²⁶ 353-099 Hort NZ and 422-114 Fed Farmers

²⁷ 446-049 Transpower, 353-099 Hort NZ, 422-144 Fed Farmers

	EI-REQX New Zealand Code of Practice for Electrical Safe Distances	
EI-R3	Sensitive Activities	
All Zones	<p>Activity Status: PER</p> <p>1. The establishment of a new, or expansion of an existing sensitive activity.</p> <p>Where:</p> <p>a. The activity is not within:</p> <ul style="list-style-type: none"> i. the National Grid Yard; or and ii. 10m from the centreline and/or foundation of a support structure of the Significant Electricity Distribution Line (Islington to Springston); or and iii. 5m from the centreline and/or foundation of a support structure of any other Significant Electricity Distribution Line; or and iv. 250m of any lawfully established noise generating infrastructure used for renewable electricity generation as set from the notional boundary of the sensitive activity. Except that this shall not apply to any small and community scale distributed electricity generation and small and community scale distributed electricity generation activity or any sensitive activity within Settlement Zone - Lake Coleridge Township. <p>And this activity complies with the following rule requirements: EI-REQ1 Access</p>	<p>...</p> <p>Notification:</p> <p>5. Any application arising from EI-R3 shall not be subject to public notification and shall be limited notified to the following parties: the network utility operator with responsibility for the infrastructure²⁸, unless their written approval is provided.</p>
EI-R4	Structures near Significant Electricity Distribution Line	
All Zones	<p>Activity Status: PER</p> <p>1. The establishment of a new, or expansion of an existing fence.</p> <p>Where:</p>	<p>Activity status when compliance not achieved:</p> <p>2. When compliance with EI-R4.1 is not</p>

²⁸ 446-037 Transpower

	<p>a. The fence's primary material consists of conductive qualities, the fence shall be setback a minimum of:</p> <ul style="list-style-type: none"> i. 65m from the foundation of a support structure for any Significant Electricity Distribution Line greater than 51kV; or ii. 2.2m from the foundation of a support structure for any Significant Electricity Distribution Line between 1-50kV. 	<p>achieved: NC</p> <p>Notification:</p> <p>3. Any application arising from EI-R4.2 shall not be subject to public notification and shall be limited notified to the following parties: the network utility operator with responsibility for the Significant Electricity Distribution Line, unless their written approval is provided.²⁹</p>
All Zones	<p>Activity Status: PER</p> <p>4. The establishment of a new, or expansion of an existing structure, excluding a network utility, within 10m from the centreline of the Significant Electricity Distribution Line (Islington to Springston), or the foundation of a support structure of the Significant Electricity Distribution Line (Islington to Springston).</p> <p>Where:</p> <ul style="list-style-type: none"> a. The structure is not within: <ul style="list-style-type: none"> i. 10m from the centreline and/or foundation of a support structure of the Significant Electricity Distribution Line (Islington to Springston), excluding: <ul style="list-style-type: none"> a. a network utility; b. a structure not used for habitation c. a structure used for agricultural or horticultural activities, excluding produce packing, a milking shed (other than stock yards and ancillary platforms), a 	<p>Activity status when compliance not achieved:</p> <p>5. When compliance with EI-R4.4 is not achieved: NC</p> <p>Notification:</p> <p>6. Any application arising from EI-R4.5 shall not be subject to public notification and shall be</p>

²⁹ 353-096 Hort NZ and 422-110 Fed Farmers

	<p>wintering barn, intensive primary production, and commercial greenhouse; or</p> <p>ii. 5m from the centreline and/or foundation of a support structure of any other Significant Electricity Distribution Line.</p> <p>b. The structure is not used for:</p> <p>i. habitation;</p> <p>ii. produce packing;</p> <p>iii. a milking shed;</p> <p>iv. a wintering barn;</p> <p>v. intensive primary production; or</p> <p>vi. a commercial greenhouse.</p>	<p>limited notified to the following parties: the network utility operator with responsibility for the Significant Electricity Distribution Line, unless their written approval is provided.</p>
EI-R6	Operation, Maintenance and Repair of Existing Network Utilities and Ancillary Vehicle Access Tracks	
All Zones	<p>Activity Status: PER</p> <p>1. The operation, maintenance and or repair³⁰ of existing above and below ground network utilities and ancillary vehicle access tracks.</p> <p>Where this activity complies with the following rule requirements:</p> <p>EI-REQ3 Notable Trees</p> <p>EI-REQ8 Historic Heritage</p>	<p>Activity status when compliance not achieved:</p> <p>2. When compliance with any rule requirement is not achieved: Refer to relevant Rule requirements.</p>
EI-RX	New and Temporary Customer Connections	
All Zones	<p>Activity Status: CON</p> <p>3. The establishment of a new, or expansion of an existing permanent or temporary customer connection to a heritage item or within the setting of a heritage item listed in HH-SCHED2, excluding earthworks associated with a heritage item or within the setting of a heritage item which is provided for in EI-R8.1</p>	<p>Activity status when compliance not achieved:</p> <p>N/A</p>

³⁰ 446-039 Transpower

	<p>Matters of Control:</p> <p>4.Design and placement of the customer service connection to minimise impacts on the values and attributes of the heritage listed item or setting.</p>	
EI-R9	Temporary Network Utilities	
All Zones	<p>Activity Status: PER</p> <p>1. The establishment of a new, or expansion of an existing temporary network utility, excluding mobile electricity generation.</p> <p>Where: The network utility:</p> <ul style="list-style-type: none"> a. operates for a maximum of 12 months; and b. is removed from the site when operation ceases. <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ3 Notable Trees</p> <p>EI-REQ4 Vegetation Clearance</p> <p>EI-REQ5 Earthworks in Special Areas</p> <p>EI-REQ6 Radio Fields Emissions</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>EI-REQ8 Historic Heritage</p> <p>EI-REQ9 Natural Character Setbacks</p> <p>EI-REQ10 Noise</p> <p>EI-REQ11 Light</p> <p>EI-REQ12 Structures in Special Areas</p> <p>EI-REQ15 Height³¹</p> <p>EI-REQ23 West Melton Aerodrome Height Restriction</p> <p>GRUZ-REQ16 Springfield Airfield Height Restriction</p> <p>NH-REQ5.1 Natural Hazards and Infrastructure</p>	...

³¹ 101-009 Chorus and 367-206 Orion

EI-R10	Below Ground Network Utilities Upgrading or Installation	
All Zones	<p>....</p> <p>EI-REQ6 Radio Fields Emissions</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>...</p>	...
EI-R11	Upgrading of Existing Above Ground Network Utilities	
All Zones	<p>Activity Status: PER</p> <p>1. Upgrading or expansion of existing above ground network utilities (excluding any access track extension) except where provided for under Rule EI-R19³².</p> <p>Where:</p> <ul style="list-style-type: none"> a. In specifying the activity in EI-R11.1.b. to EI-R11.1.j. below, the original height, width and scale of the network utility and the type of network utility shall be taken as the network utility existing at the date this rule has effect. b. Any realignment, relocation or replacement of a network utility pole, pipe, tower, structure, building, or minor utility structure is within 5m of the alignment or location of the original existing pole, tower, structure, building, or minor utility structure. c. A replacement pole, tower, or structure does not exceed the height of the original pole, tower, or structure by more than 30 percent, measured from the top of the foundation. d. The diameter or width of the replacement pole does not exceed twice that of the replaced pole at its widest point, and; where a single pole is replaced with a pi or H pole, the width of the pi pole structure³³ must not exceed three times that of the replaced pole at its widest point. e. Additional conductors or lines do not increase the number of conductors or lines by more than 100 percent. f. The footprint of the structure or building does not increase by more than 30 percent of the existing building or structure, excluding any pole or pi replacement pole structure³⁴-provided for in d. above. g. The largest³⁵ face area of a replacement panel antenna or the diameter of a replacement dish antenna does not increase by more than 20 percent. 	<p>Activity status when compliance not achieved:</p> <p>...</p>

³² 367-208 Orion

³³ 367-208 Orion

³⁴ 367-208 Orion

	<p>h. There are no additional towers.</p> <p>i. A pole is not replaced with a tower.</p> <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ3 Notable Trees</p> <p>EI-REQ4 Vegetation Clearance</p> <p>EI-REQ5 Earthworks in Special Areas</p> <p>EI-REQ6 Radio Fields Emissions</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>EI-REQ8 Historic Heritage</p> <p>EI-REQ9 Natural Character Setbacks</p> <p>EI-REQ10 Noise</p> <p>EI-REQ11 Light</p> <p>EI-REQ12 Structures in Special Areas</p> <p>EI-REQ14 Reflectivity</p> <p>EI-REQ23 West Melton Aerodrome Height Restriction</p> <p>GRUZ-REQ16 Springfield Airfield Height Restriction</p>	
EI-R12	Public Telecommunication Kiosks	
All Zones	<p>....</p> <p>EI-REQ6 Radio Emissions Fields</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>...</p>	...
EI-R13	Small Cell Units	
All Zones	<p>....</p> <p>EI-REQ6 Radio Emissions Fields</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>EI-REQ12 Structures in Special Areas</p> <p>EI-REQ14 Reflectivity</p> <p>EI-REQ15 Height</p> <p>...</p>	...

El-R14	Telecommunication Cabinets	
All Zones	<p>....</p> <p>EI-REQ6 Radio Emissions Fields</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>...</p>	...
El-R15	Electricity Cabinets, Kiosks, Transformers, Switchgear and EV Charging Stations	
All Zones	<p>Activity Status: PER</p> <p>1. The establishment or a new, or expansion of an existing electricity cabinet, electricity kiosk, transformer, switchgear or electric vehicle charging station.</p> <p>Where:</p> <p>The electricity cabinet, electricity kiosk,³⁶ transformer, switchgear or station does not exceed:</p> <ul style="list-style-type: none"> a. 2m in height; and b. 10m² in area. <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ5 Earthworks in Special Areas</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>EI-REQ12 Structures in Special Areas</p> <p>NH-REQ5.1 Natural Hazards and Infrastructure</p>	...
El-R16	Electricity Generators and Mobile Equipment to Supply Important Infrastructure	
All Zones	<p>Activity Status: PER</p> <p>1. The operation of any electricity generator and mobile equipment (including vehicles) to supply important infrastructure.</p> <p>Where:</p> <ul style="list-style-type: none"> a. The equipment is: 	...

³⁶ 367-209 Orion

	<ul style="list-style-type: none"> i. being tested and maintained for a period not exceeding 48 hours in duration; or for longer than 48 hours where that use complies with the noise limits at all times relevant to the underlying zone;³⁷ ii. to provide back-up electricity during routine or scheduled maintenance for a period not exceeding 48 hours; or for longer than 48 hours where that use complies with the noise limits specified between 0700 hours and 2200 hours relevant to the underlying zone; or³⁸ iii. for emergency purposes only (not the primary electricity supply) and operates for a maximum of 12 months. 	
EI-R17	Telecommunication Poles and Attached Antennas	
All Zones	<p>....</p> <p>EI-REQ6 Radio Emissions Fields</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>...</p> <p>EI-REQ13 Height in Relation to Boundary³⁹</p> <p>...</p>	...
EI-R18	Building Attached Antennas	
All Zones	<p>Activity Status: PER</p> <p>1. The attachment of an antenna to a building, where the activity is not regulated by the NESTF.</p> <p>Where:</p> <ul style="list-style-type: none"> a. The face area (largest face) of a panel antenna does not exceed 1.5m²; and b. A dish antenna does not exceed a diameter of 1.2m; and c. The antenna does not exceed a height of 4m for residential zones and 5m for all other zones⁴⁰, above the point of attachment to the building. <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ6 Radio Emissions Fields</p>	...

³⁷ 367-210 Orion

³⁸ 367-210 Orion

³⁹ 101-014 Chorus

⁴⁰ 101-015 Chorus

	EI-REQ7 Electric and Magnetic Fields Emissions EI-REQ8 Historic Heritage EI-REQ12 Structures in Special Areas EI-REQ14 Reflectivity EI-REQ23 West Melton Aerodrome Height Restriction GRUZ-REQ16 Springfield Airfield Height Restriction	
EI-R19	Overhead Telecommunication Lines, Electricity Distribution Lines, and Associated Support Structures and Equipment	
RESZ NCZ LCZ Special Purpose Zones – excluding PORTZ	1. ... EI-REQ6 Radio Emissions Fields EI-REQ7 Electric and Magnetic Fields Emissions
GRUZ TCZ GIZ LFRZ PORTZ EI-R20	<p>Activity status: PER</p> <p>5. The establishment of a new, or the expansion of an existing overhead telecommunication line, electricity distribution line, and associated support structures and equipment.</p> <p>Where:</p> <p>a. The activity does not exceed a maximum height of:</p> <ul style="list-style-type: none"> i. 25m for any telecommunication or electricity distribution line and associated support structure; or ii. 25m if there is a single operator, or 30m if there is more than one operator, for any telecommunications line and associated support structure within the General Industrial Zone; or iii. 35m if there is a single operator, or 40m if there is more than one operator, for any telecommunications line and associated support structure within the General Rural Zone. <p>b. The development is a pole mounted transformer, it does not exceed a volume of 2m³.</p> <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ3 Notable Trees EI-REQ4 Vegetation Clearance</p>	...

	EI-REQ5 Earthworks in Special Areas EI-REQ6 Radio Emissions Fields EI-REQ7 Electric and Magnetic Fields Emissions EI-REQ8 Historic Heritage EI-REQ9 Natural Character Setback EI-REQ12 Structures in Special Areas EI-REQ14 Reflectivity EI-REQ23 West Melton Aerodrome Height Restriction NH-REQ5.1 Natural Hazards and Infrastructure GRUZ-REQ16 Springfield Airfield Height Restriction 4.	
EI-R20	Electricity Transmission Lines and Associated Support Structures and Equipment	
All Zones	Activity Status: DIS 1. The establishment of a new, or expansion of an existing electricity transmission line, or their and its associated support structure or equipment ⁴¹
EI-R21	Substations and Switching Stations	
All Zones	Activity Status: PER 1. The establishment of a new, or expansion of any existing substation or switching station. Where: a. The activity substation or switching station building footprint ⁴² does not exceed an area of: ... And this activity complies with the following rule requirements:	...

⁴¹ 446-044 Transpower

⁴² 367-213 Orion

	...	
	EI-REQ7 Electric and Magnetic Fields Emissions	
	...	
EI-R22	Environmental Monitoring Equipment Associated with a Network Utility	
All Zones NH-REQ5 Natural Hazards and Infrastructure	
	...	
EI-R26	Artificial Watercourse Waterways and Associated Structures	
All Zones	Activity Status: PER 1. The establishment of a new, or the expansion, maintenance, or repair of an existing artificial waterway watercourse or associated structure (including outfall structures, water storage, conveyance of water for stock or irrigation, and land drainage purposes) by a network utility operator. ⁴³
EI-R27	Other Network Utility Structure	
All Zones	1. ... EI-REQ6 Radio Emissions Fields EI-REQ7 Electric and Magnetic Fields Emissions
EI-29	Renewable Electricity Generation – Coleridge HEPS	
All Zones	Activity status: PER 1. Renewable electricity generation or electricity generation activities at Coleridge HEPS including: a. any new building or addition, operation, maintenance, refurbishment, enhancement, or	...

⁴³ 353-095 Hort NZ and 422-112 Fed Farmers

	<p>upgrading to an existing building or associated structures; and -</p> <p>2. b. Environmental monitoring equipment or structures; and</p> <p>c. Any official sign or sign necessary for the safe and efficient operation of electricity generation activities.</p> <p>Where:</p> <p>a. The activity is:</p> <ul style="list-style-type: none"> i. less than 50m² in area or the existing a-floor area or no more than 20% larger is not increased by more than 25%; and ii. less than 8 metres in height no greater than the existing height of the structure; and iii. if incorporating any new noise generating infrastructure, is setback at least 250m from the notional boundary of any lawfully established sensitive activity located in the General Rural Zone. <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ3 Works to and around Notable Trees⁴⁴</p> <p>EI-REQ5 Earthworks in Special Areas</p> <p>EI-REQ10 Noise</p> <p>EI-REQ12 Structures in Special Areas</p>	
EI-R30	Small and Community-Scale Electricity Generation, and Small and Community-Scale Electricity Generation Activities	
All Zones (excluding DPZ) ⁴⁵	<p>...</p> <p>EI-REQ7 Electric and Magnetic Fields Emissions</p> <p>...</p>	...

⁴⁴ 441-043 Trustpower and 441-046 Trustpower

⁴⁵ 370-029 Fonterra and 420-004 Synlait

<p> EI-R31 </p>	<p> Other Renewable Electricity Generation and Renewable Electricity Generation Activities </p>	
<p> All Zones (excluding DPZ)⁴⁶ </p>
<p> NEW RULE </p>	<p> Network Utilities near Significant Electricity Distribution Lines </p>	
<p> All Zones </p>	<p> Activity Status: PER </p> <p> 1. Any network utilities within 10m of any Significant Electricity Distribution Line. </p> <p> Where: </p> <p> a. The network utility does not result in vehicular access to any Significant Electricity Distribution Line being permanently obstructed. </p> <p> And this activity complies with the following rule requirement: </p> <p> EI-REQ2 New Zealand Code of Practice for Electrical Safe Distances </p>	<p> Activity Status when compliance not achieved: </p> <p> 2. When compliance with any of EI-Rx.1 is not achieved: NC </p> <p> 3. When compliance with any rule requirement listed in this rule is not achieved: Refer to relevant Rule Requirement. </p> <p> Notification: </p> <p> 4. Any application arising from EIXX-XX shall not be subject to public notification </p>

⁴⁶ 370-029 Fonterra

		and shall be limited notified to the following parties: the network utility operator with responsibility for the Significant Electricity Distribution Line unless their written approval is provided.
EI-RX	Earthworks in the National Grid Yard	
All Zones	<p>Activity Status: PER</p> <p>1. Earthworks in the National Grid Yard</p> <p>Where:</p> <p>a. Earthworks do not exceed 500mm in diameter and are greater than 1.5m from the outer visible edge of a foundation of a National Grid pole or stay wire.</p> <p>b. Except as provided for by a., earthworks are less than 300mm deep within 6m from the outer visible edge of a foundation of a National Grid transmission line tower or pole.</p> <p>c. The work does not compromise the stability of a National Grid transmission line tower or pole.</p> <p>d. Earthworks are for fence posts more than 6 metres from the outer visible edge of a foundation of a National Grid transmission line tower or pole.</p> <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ1 Setback from a National Grid Support Structure</p> <p>EI-REQX New Zealand Code of Practice for Electrical Safe Distances</p>	<p>Activity status when compliance not achieved:</p> <p>1. When compliance with EI-RX.1 is not achieved: NC</p> <p>2. When compliance with any rule requirement listed in this rule is not achieved: Refer to relevant rule requirement.</p> <p>Notification:</p> <p>4. Any application arising from EI-RX shall not be subject to public notification and shall be</p>

		<p>limited notified to the following parties: Transpower, unless their written approval is provided.</p>
All Zones	<p>Activity Status: RDIS</p> <p>5. Earthworks in the National Grid Yard</p> <p>Where:</p> <p>a. Earthworks are more than 300mm deep within 6m of the outer visible edge of a foundation of a National Grid transmission line tower or pole.</p> <p>And this activity complies with the following rule requirements:</p> <p>EI-REQ1 Setback from a National Grid Support Structure</p> <p>EI-REQX New Zealand Code of Practice for Electrical Safe Distances</p> <p>Matters for discretion:</p> <p>6. The exercise of discretion in relation to Rule EI-RX is restricted to the following matters:</p> <p>a. EI-MATX Earthworks in the National Grid Yard.</p>	<p>Activity status when compliance not achieved: NC</p> <p>8. When compliance with EI-RX.1 is not achieved: NC</p> <p>9. When compliance with any rule requirements listed in this rule is not achieved: Refer to relevant rule requirements.</p> <p>Notification:</p> <p>10. Any application arising from EI-RX shall not be subject to public notification and shall be limited notified to the following parties: Transpower, unless their written approval is provided.</p>
EI-MATX	Earthworks in the National Grid Yard	
All Zones	1. The effects on the operation, maintenance, upgrade and development of the National Grid, including risks	

	<p>associated with temporary activities such as the use of mobile machinery.</p> <p>2. The risks to the structural integrity of the National Grid.</p> <p>3. The risk of electrical hazards affecting public or individual safety, and the risk of property damage</p> <p>4. The volume, area and location of the works, including temporary activities such as stockpiles.</p> <p>5. The duration of the works.</p> <p>6. The site remediation proposed.</p> <p>7. The outcome of any consultation with Transpower New Zealand Limited.</p>	
<p>New definition of 'Earthworks in the National Grid Yard'</p>	<p>Earthworks in the National Grid Yard means earthworks (including temporary activities, stockpiling and changes to ground level) and the disturbance of land for the installation of fence posts, but excludes any earthworks for normal agricultural cultivation or the repair, sealing, or resealing of the existing surface of any road, footpath, driveway or farm track.</p>	
EI-Rule Requirements		
EI-REQ1	Access to a National Grid Support Structure	
All Zones	<p>1. Any activity, structures or earthworks undertaken within the National Grid Yard shall not result in vehicular access to a National Grid support structure being permanently obstructed.⁴⁷</p>	...
EI-REQ2	Structure Fence Separation to National Grid Support Structure	
All Zones	<p>1. Any fence consisting of conductive materials shall be setback a minimum of 6m from a National Grid support structure.</p> <p>2. Any structure in the National Grid Yard must be located at least 12 metres from the outer visible edge of a foundation of a National Grid transmission support structure, except where it:</p> <p>a. is a fence consisting of non-conductive materials;</p> <p>b. is a fence consisting of conductive materials located at least 5m⁴⁸ from a National Grid transmission</p>	...

⁴⁷ 353-097 Hort NZ and 422-113 Fed Farmers

	<p>support structure; or</p> <p>e. is an artificial crop protection structure or crop support structure not exceeding 2.5 metres in height and located at least 8 metres from a National Grid transmission support structure that:</p> <p>i. is removable or temporary to allow a clear working space of 12 metres from the support structure for maintenance; and</p> <p>ii. allows all weather access to the support structure and a sufficient area for maintenance equipment, including a crane.⁴⁸</p>	
EI-REQ8	Historic Heritage	
All Zones	<p>1. Any works All activities that involves a heritage item or within the setting of a heritage item listed in HH-SCHED2 is limited to earthworks for a customer connection, or repairs and maintenance and is are limited to : a. ... Earthworks for a customer connection, or repairs and maintenance of an existing customer connection; ba- Replacement or mending in-situ decayed or damaged heritage fabric, using materials which resemble the form, appearance, and profile of the heritage fabric as closely as possible;and cb. Repainting of existing painted surfaces; and de. Cleaning or washing of the exterior of a heritage item provided this does not involve the use of abrasive materials or techniques, such as sandblasting; e2. The use of any temporary scaffolding that: a. is not fixed to the heritage item; and b. would be used in a way that would cause damage to the heritage item.⁵⁰</p>	...
EI-REQ14	Reflectivity	
GRUZ	<p>1. Any structure shall have a reflectivity value no greater than 37%, excluding telecommunication lines.</p> <p>2. Any telecommunication pole and antenna shall be finished in a non-reflective colour or a surface which weathers to a colour of green, brown or grey.</p>	
EI-REQ16	Site and Zone Boundary Setbacks	
All Zones	<p>1. Any structure shall be setback a minimum of:</p> <p>a. 10m from the boundary of any strategic road State Highway or Arterial Road⁵¹; and</p> <p>...</p>	...

⁴⁸ 353-099 Hort NZ and 422-114 Fed Farmers

⁴⁹ 446-049 Transpower, 353-099 Hort NZ, 422-144 Fed Farmers

⁵⁰ 367-191 Orion and 446055 Transpower

⁵¹ 454-009 CPW

EI-REQ17	Telecommunication Pole and Antenna Height	
All Zones	1. The combined height of the telecommunications pole and any attached antenna complies with EI-Table 1, with the exception of any lighting rod. ⁵²	...
EI-MAT1	General Matter	
All Zones	1. The functional and operational ⁵³ needs of, and benefits derived from the important infrastructure.
EI-MAT4	Subdivision and Energy and Infrastructure	
	<ol style="list-style-type: none"> 1. The nature of the consent notice or other mechanism proposed to ensure that sensitive activities are established at a distance or in a position that does not adversely affect the existing electricity lines 2. The degree to which the subdivision design, including the location of roads and reserves, recognises and provides for the ongoing efficient operation, maintenance, development and upgrade of existing electricity transmission lines and electricity distribution lines, including the ability for continued so that reasonable access to the lines is maintained for maintenance, inspection and upgrading. 3. The extent to which potential adverse effects (including visual and reverse sensitivity effects) are mitigated through the location of building platforms. 4. The nature and location of any proposed vegetation to be planted in the vicinity of the electricity transmission line or electricity distribution line. 5. The outcome of any consultation with the owner of the electricity transmission line or electricity distribution line.⁵⁴ 	...

The following spatial amendments are recommended to PDP Planning Maps:

Map Layer	Description of recommended amendment	Link
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⁵² 101-024 Chorus

⁵³ 441-059 Trustpower

⁵⁴ 446 Transpower

Planning Maps	Amend the planning maps to reflect the correct GIS data set for Significant Electricity Distribution Lines -	https://selwyndc.maps.arcgis.com/apps/webappviewer/index.html?id=ffab1fecb0d34b618482af2b40a8876f
Planning Maps	Amend the planning map notation of each National Grid transmission line to include reference to the voltage of that transmission line based on data to be provided by Transpower.	