

# Waimakariri District Council Proposed Waimakariri District Plan

## Recommendations of the PDP Hearings Panel

### Recommendation Report 17

#### Hearing Stream 5 Part 2: District-wide matters – EI – Energy and Infrastructure

This report should be read in conjunction with **Report 1** and **Recommendation Reports 2, 3, 10, 12, 15 and 26**.

**Report 1** contains an explanation of how the recommendations in all subsequent reports have been developed and presented, along with a glossary of terms used throughout the reports, a record of all Panel Minutes, a record of the recommendation reports and a summary of overarching recommendations. It does not contain any recommendations per se.

**Recommendation Report 2** contains the PDP Panel's recommendations on the PDP's Part 2: District-wide Matters – Strategic directions - SD Strategic directions objectives and policies.

**Recommendation Report 3** contains the PDP Panel's recommendations on the PDP's Part 2: District-wide Matters – Strategic directions - UFD Urban Form and Development objectives and policies.

**Recommendation report 10** contains the PDP Panel's recommendations on the PDP's NFL- Natural Character of Freshwater Bodies Chapter.

**Recommendation report 12** contains the PDP Panel's recommendations on the PDP's EW- Earthworks Chapter.

**Recommendation report 15** contains the PDP Panel's recommendations on the PDP's HH- Historic Heritage Chapter.

**Recommendation report 26** contains the PDP Panel's recommendations on the PDP's INZ- Industrial Zones Chapters.

**Appendix 1:** Schedule of attendances

**Appendix 2:** Recommended amendments to the Proposed Plan - Tracked from notified version (provisions not consequentially renumbered)

The Hearings Panel for the purposes of **Hearing Stream 5** comprised Commissioners Gina Sweetman (Chair), Allan Cubitt, Gary Rae, Megen McKay, Neville Atkinson and Niki Mealings.

# 1. Introduction

## Report outline and approach

1. This is Report 17 of 37 Recommendation Reports prepared by the PDP Hearings Panel appointed to hear and make recommendations on submissions to the Proposed Waimakariri District Plan (PDP).
2. The report addresses the submissions received on the EI – Energy and Infrastructure chapter. The relevant provisions are:
  - Introduction
  - Objectives EI-O1 to EI-O3
  - Policies EI-P1 to EI-P6
  - Rules EI-R1 – EI-R56
  - Matters of Discretion EI-MD1 – EIMD14.
3. We have structured our discussion on this topic as follows:
  - (a) **Section 2** summarises key contextual matters, including relevant provisions and key issues/themes in submissions;
  - (b) **Sections 3 – 12** contains our evaluation of key issues and recommended amendments to provisions;
  - (c) **Section 13** contains a number of minor changes; and
  - (d) **Section 14** contains our conclusions.
4. This Recommendation Report contains the following appendices:
  - (a) **Appendix 1: Schedule of attendances** at the hearing on this topic. We refer to the parties concerned and the evidence they presented throughout this Recommendation Report, where relevant.
  - (b) **Appendix 2: Recommended amendments to the Proposed Plan – Tracked from notified version.** This sets out the final amendments we recommend be made to the PDP provisions relating to this topic. The amendments show the specific wording of the amendments we have recommended and are shown in a ‘tracked change’ format showing changes from the notified version of the PDP for ease of reference. Where whole provisions have been deleted or added, we have not shown any consequential renumbering, as this method maintains the integrity of how the submitters and s42A Report authors have referred to specific provisions, and our analysis of these in the Recommendation Reports. New whole provisions are prefaced with the term ‘new’ and deleted provisions are shown as struck out, with no subsequential renumbering in either case.
5. We record that all submissions on the provisions relating to the EI – Energy and Infrastructure chapter have been taken into account in our deliberations. In general, submissions in support of the PDP have not been discussed but are accepted or accepted

in part. More detailed descriptions of the submissions and key issues can be found in the relevant s42A Reports, Responses to Preliminary Questions, Joint Witness Statements and written Reply Reports, which are available on the Council's website.

6. In accordance with the approach set out in Report 1, this Report focuses only on 'exceptions', where we do not agree fully or in part with the s42A report author's final recommendations and/or reasons, and/or have additional discussion and reasons in respect to a particular submission point, evidence at the hearing, or another matter. In this particular case, a large number of issues were resolved through Joint Witness conferencing process. Original submissions have been accepted or rejected as recommended by the s42A report author unless otherwise stated in our Recommendation Reports. Further submissions are either accepted or rejected in conformance with our recommendations on the original submission to which the further submission relates.
7. The requirements in clause 10 of the First Schedule of the Act and s32AA are relevant to our considerations of the PDP provisions and the submissions received on those provisions. These are outlined in full in Report 1. In summary, these provisions require among other things:
  - (a) our evaluation to be focussed on changes to the proposed provisions arising since the notification of the PDP and its s32 reports;
  - (b) the provisions to be examined as to whether they are the most appropriate way to achieve the objectives; and
  - (c) as part of that examination, that:
    - i. reasonable alternatives within the scope afforded by submissions on the provisions and corresponding evidence are considered;
    - ii. the efficiency and effectiveness of the provisions is assessed;
    - iii. the reasons for our recommendations are summarised; and
    - iv. our report contains a level of detail commensurate with the scale and significance of the changes recommended.
8. We have not produced a separate evaluation report under s32AA. Where we have adopted the recommendations of Council's s42A report authors, we have adopted their reasoning, unless expressly stated otherwise. This includes the s32AA assessments attached to the relevant s42A Reports and/or Reply Reports. Those reports are part of the public record and are available on the Council website. Where our recommendation differs from the s42A report authors' recommendations, we have incorporated our s32AA evaluation into the body of our report as part of our reasons for recommended amendments, as opposed to including this in a separate table or appendix.
9. A fuller discussion of our approach in this respect is set out in Section 5 of Report 1.

## 2. Summary of provisions and key issues

### Outline of matters addressed in this section

10. In this section, we provide relevant context around which our evaluation of the notified provisions and submissions received on them is based. Our discussion includes:
- (a) summary of relevant provisions;
  - (b) themes raised in submissions; and
  - (c) identification of key issues for our subsequent evaluation.

### Submissions

11. This chapter attracted 28 original submitters, who made a 397 submission points. Of these, 49 were in support, 54 seeking amendment, and 25 opposed. There were also 40 further submitters who made 161 further submission points.

### Key issues

12. The issues in contention on this chapter that we address in this report are as follows:
- Integration with the EW Chapter
  - EI-O1
  - EI-R4
  - EI-R12
  - EI-R13
  - EI-R41
  - EI-42
  - EI-R51 and EI-R52
  - EI-R54 and EI-R56
  - Integration with Industrial Zones

## 3. Integration with the Earthworks Chapter

### Overview

13. The following is a summary of the Panel's recommended amendments in relation to the earthworks standards that apply or do not apply to infrastructure, beyond those recommended by the s42A report author.

| Provision              | Panel recommendations  |
|------------------------|--|
| EW-R3 and EW-R8        | Delete both rules  |
| EI-R11, EI-R12, EI-R17 | Delete recommended compliance with SW-S6   |
| EI-R15                 | Delete recommended compliance with SW-S1 and EW-S6 and only require compliance with EW-S7      |
| EI-R19B                | Amend the recommended rule so that expansion activities are only required to comply with EW-S7 |

|                      |  |
|----------------------|--|
| EI-R24               | Accept addition of EW standards except for EW-S5   |
| EI-R45               | Accept addition of EW standards except for EW-S2   |
| EI-R46               | Accept addition of EW standards but separate them into EW standards applying new facilities (EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7) and those that apply only renewal or upgrading activities (EW-S7 only) |
| EI-R49               | Accept addition of EW standards but only EW-S4, and EW-7   |
| Table EW-1 and EW-S2 | Exempt linear infrastructure works within roads, provided any open trenches do not exceed 1m in width  |

### Reasons

25. The submission points we consider here are those relating to the integration of the EI chapter with the EW chapter, and in particular those matters where agreement could not be reached between the experts on this through the Joint Witness conferencing process. These specific concerns were mainly raised in the submissions on the Earthworks provisions and in summary, sought the following:
  - Exemptions from the cumulative 12 month permitted limits and areas per site for underground services, infrastructure poles and cabinets due to the localised nature of trenches or foundation works for poles and structures<sup>1</sup>
  - exemption from the maximum volume and area standards for services trenches and foundations for infrastructure poles and cabinets<sup>2</sup>
  - exemptions for linear infrastructure from per-site limits.<sup>3</sup>
26. The s42A report author for the Earthworks chapter considered *“that the EI chapter provisions already exempt the requested types of earthworks from the EI standards and achieve what the submitters are asking for.”* As a consequence, no amendments were recommended but the report author noted that the matter would be clarified in the s42A report on the EI chapter and the memo to the Hearing Panel on integration matters. However, the Integration Memo prepared by Mr MacLennan did not address earthworks, while his s42A report only dealt with some earthworks’ issues. The matter was addressed more fully in the expert witnessing conferencing, although no experts from Waimakariri Irrigation Ltd were involved in that process.
27. The Joint Witness Statement – Energy EI - Pūngao me te hanganga hapori - Energy and Infrastructure (Integration) involved:
  - (a) Chris Horne (Chorus NZ, Spark NZ Trading Ltd and Vodafone NZ Ltd “The telecommunications companies”)

<sup>1</sup> Chorus, Spark, Vodafone [62.53]

<sup>2</sup> Ibid

<sup>3</sup> Waimakariri Irrigation Ltd [210.54], Waka Kotahi [FS 110], Kiwirail [FS 99], and Department of Conservation [FS 77]

- (b) Ainsley McLeod (Transpower)
- (c) Melanie Foote (MainPower)
- (d) Andrew MacLennan – EI s42A report author - on behalf of Waimakariri District Council
- (e) Peter Wilson - Natural character of freshwater bodies chapter (NATC) s42A report author & Coastal Environmental chapter (CE) s42A report author (Waimakariri District Council) and
- (f) Shelley Milosavljevic - Natural Features and Landscapes chapter (NFL) s42A report author & Ecosystems and Indigenous Biodiversity chapter (ECO) s42A report author (Waimakariri District Council).

28. While not all matters were agreed, the experts did agree that as many of the earthworks provisions as practical should be incorporated into the EI chapter and that the number of cross references should be reduced. In relation to the EW chapter, the experts agreed as follows:

*That the relevant EW standards be added to the activity standards of the following rules: EI-R2, EI-R4, EI-R5, EI-R7, EI-R9, EI-R10, EI- R11, EI-R12, EI-R17, EI-R19, EI-R19A, EI-R19B, EI-R20, EI-R24, EI- R26, EI-R27, EI-R28, EI-R29, EI-R30, EI-R32, EI-R34, EI-R36, EI-R40, EI-R41, EI-R45, EI-R46, EI-R47, EI-R49, EI-R52, and EI-R54 , as set out in the EI chapter below.*

*Mr Horne, Mr MacLennan and Mr Wilson agreed to certain exceptions for poles associated with telecommunications not requiring compliance with certain general earthworks standards due to their limited footprints, as set out in Appendix A.*

*Mr Horne and Mr Wilson agreed that for linear infrastructure, any thresholds should only apply to the open/unstabilised part of any works so that they could be undertaken progressively within thresholds.*

29. The final reply report provided a track changed version of the chapters as amended by the JWS and the report author’s reply. The only earthworks rule that was recommended for deletion was EW-R1.
30. The Panel accepts the overall direction recommended by the experts. However, the Panel is concerned that the integration between these two chapters is incomplete. We note from the “How to interpret and apply the rules” at the introduction to the rules section of the EI chapter (final reply version), that the earthworks rules do not apply to Energy and Infrastructure activities. However, the final reply version of the EW chapter contains the following rules

***EW-R3 Earthworks for maintenance of existing community scale irrigation/stockwater networks, public water races, or drains***

*All Zones*

*Activity status: PER Where:*

- 1. EW-S1 to EW-S7 are met;*
- 2. the disposal or stockpiling of any dredged material to land shall meet EW-S1, EW R9 (stockpiling), EW-S2, and*

3. the activity is undertaken by the Crown, Regional Council, District Council or their nominated agent.

***EW-R8 Earthworks for underground infrastructure including underground components of above ground infrastructure***

*[This rule does not apply to any treatment plants, pump stations, canals, infiltration basins, open raw water storage ponds/lakes and treated water reservoirs provided for under EW R11]*

*All Zones*

*Activity status: PER*

*Where: 1. the activity is permitted under EI-R4, EI-R10, EI R46*

31. With respect to EW-R3, the EI chapter contains rule EI-R49 which permits “*Maintenance, repair, and upgrade of existing community scale irrigation/stockwater networks*”. This rule is subject to compliance with the same standards as EW-R3. Hence, it appears that the need to remove EW-R3 from the EW chapter has been overlooked.
32. We suspect this is also the case with EW-R8. To be permitted, that rule requires the activity to be permitted under EI-R4, EI-R10, or EI-R46. These rules now require compliance with the relevant earthwork standards, so EW-R8 is now redundant.
33. We have recommended deleting these two rules accordingly. We have also recommended a consequential amendment to the beginning of the earthworks rules section to make it clear that the rules (as opposed to the standards) do not apply to EI activities.
34. The Panel also notes that there appears to be some inconsistency in relation to what earthworks standards apply to which infrastructure activities. For example, EW-S5 controls the maximum height and depth of earthworks. It does not apply to Rule EI-R12 Replacement of a pole or tower, EI-R17 Installation of new mid-span poles and EI- R26 New freestanding radiocommunication and telecommunication facilities, antennas, and supporting poles and towers. However, it does apply to ‘new’ supporting poles and towers for overhead transmission lines and electricity distribution lines under EI-R24. It also applies under EI-R28 for New overhead telecommunication lines and supporting poles, but not to pole foundations.
35. Again, the Panel considers this to be an oversight, and we have removed EW-S5 from the s42A reply report version of EI-R24 accordingly.
36. We also note that EW-S5 applies to some infrastructure buildings and not others, but this tends to relate to building size. However, we have determined under our recommendation at section 6 of the Hearing Stream 5 Earthworks Recommendation report that earthworks consented under a building consent are exempt from these standards so these standards will not apply to any infrastructure building that requires building consent.



37. There are also several EW standards that have been applied to a number of ‘maintain, repair and upgrade’ rules. Transpower<sup>4</sup> opposed the earthworks rules on the basis that they “*do not enable the operation, repair, maintenance and upgrade of existing infrastructure*”. They sought permitted activity status for these activities and National Grid earthworks. Waimakariri Irrigation Ltd<sup>5</sup> also sought exemptions from the earthworks standards for the maintenance and upgrade of irrigation networks.
38. The EW s42A report author recommended some minor changes to EW-R1 to accommodate some of the submitters’ concerns and suggested that EW-R3 addresses the concern of Waimakariri Irrigation Ltd. However, EW-R1 has since been recommended for deletion, and we also recommend EW-R3 be deleted as EI-R49 addresses irrigation networks.
39. The Panel agrees with the submitters in this instance, and we recommend that both Transpower<sup>6</sup> and Waimakariri Irrigation Ltd<sup>7</sup> be accepted. In our opinion, EW-S1, S2, S5 and S6 should not apply to ‘maintenance, repair, and upgrade’ or minor expansion activities. The amount and location of earthworks is already limited by what the rule enables - maintenance, repair, and upgrade of the existing infrastructure. The application of these standards will potentially require a consent to carry out the maintenance, repair, and upgrade work, thereby making the rule redundant. We do, however, consider it appropriate that EW-S4 ‘Setback from root protection’ area and EW-S7 ‘Earthworks sediment control’ continue to apply to such works, where required.
40. Consequently, we have recommended that these controls be removed from the Reply Report amended versions of EI-R11 (minor relocation), EI-R15, EI-R17 EI-R19B (for expansion activities), EI-12, EI-R46 (for replacement, renewal or upgrading) and EI-49.
41. Turning to the matters that were not agreed, the Telco Companies sought an exemption from the cumulative 12 month permitted earthworks limits per site for underground services, infrastructure poles and cabinets due to the localised nature of these works. This was because much of this work is located in roads where it is difficult to calculate the cumulative earthworks per site.<sup>8</sup> This was also a matter of concern for Waimakariri Irrigation Ltd in relation to linear infrastructure, and they also sought an exemption from the volume threshold for regionally significant infrastructure that is linear in nature.
42. The s42A report author (Mr Wilson) stated that the EI chapter provisions already exempt this type of infrastructure from these standards. However, the s42A report for the EI chapter made it clear that that all EW standards would apply to network utilities. In response to this issue in the JWS, Mr Wilson considered that the maximum volume thresholds set out in Table EW-1 to be appropriate.

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<sup>4</sup> 195.105

<sup>5</sup> 210.43

<sup>6</sup> 195.105

<sup>7</sup> 210.43

<sup>8</sup> Chorus, Spark, Vodafone [62.54]

43. The planner for the Telco Companies, Mr Horne, addressed the issue in his evidence and in the JWS. He stated that *“it is not common to require a resource consent for utility trenches or utility pole or cabinet foundations unless there are bespoke issues such as land contamination or setbacks to wetlands or such issues at play.”* In his experience, such work does not trigger general earthworks controls although he noted in the JWS the Auckland Unitary Plan permitted threshold for infrastructure of 2500m<sup>2</sup> and 2500m<sup>3</sup>, outside of specified overlays. He sought the following addition to Table EW-1:

*That an exclusion is provided from the standards in Table EW 1 for earthworks associated with linear infrastructure works within roads, provided any open trenches do not exceed 1m in width;*

*Or, in the alternative,*

*that a standard minimum volume for earthworks for linear infrastructure within roads (excluding the ONF, ONL and SNAs referred to within Table EW1) is standardised at 1000m<sup>3</sup> consistent with the zones in the third row of the table*

44. The Panel accepts the evidence of Mr Horne on this matter. We agree that a volume control per property is not practical in relation to linear infrastructure (such as telecommunications, electricity, threewaters etc) that is installed in roadways. As he highlighted in discussion at the hearing, the effects are relatively temporary and there are no permanent visual or amenity related effects once the trenches are filled in. Council, as the roading authority, has control over matters such standard of finish and construction standards. Accordingly, we have recommended the adoption of Mr Horne's preference for these works to be excluded provided any open trenches do not exceed 1m in width.
45. This recommendation may not totally satisfy Waimakariri Irrigation Ltd for the construction of new irrigation infrastructure (noting we have accepted above that maintenance and upgrade of these works should be exempt under EI-R49), as works for canals and races are likely to involve greater earthworks than undergrounding services. The scale of these works is such that they are likely to have more permanent and ongoing effects than what is provided for by the Telco Companies' exemption. This is recognised by the fact that EI-R50 identifies *“New, or extension or expansion of existing, community scale irrigation/stockwater networks”* as discretionary activities. Non-compliance with the standards in Table EW-1 is only a restricted discretionary activity. Hence, nothing is gained by the wider exemption proposed by Waimakariri Irrigation Ltd.
46. Both the Telcos and Waimakariri Irrigation Ltd had similar concerns with the 2m setback from property boundaries for earthworks more than 300mm in depth of height as required by EW-S2. In response to these submissions, the s42A report author for EW again stated that the EI chapter provisions already exempt this type of infrastructure from these standards, but this was not correct, as confirmed by the s42A report author for EI.
47. Mr Horne stated in his evidence that *“these are very localised works that for practical reasons may need to occur near boundaries (particularly in roads). In the absence of any civil engineering evidence pointing out particular risks for work of this nature I support*

*the requested exemptions by the Companies.”* In legal submissions for WIL, Mr Williams supported the staff recommendation on the understanding that the earthworks rules and standards did not apply to energy and infrastructure activities.

48. For the same reasons as we set out above in relation to Table EW-S1, we agree with Mr Horne that an exemption is appropriate for linear infrastructure works within roads, provided the open trench is no greater than 1m wide.
49. The submission from the Telco Companies on the application of these EW standards has highlighted a similar issue with EI-R45 which requires new buildings to connect to water supply, wastewater system or stormwater infrastructure but requires them to comply with the setback standard. This is obviously contradictory and compliance with EW-S2 has been removed from EI-R45.
50. The Panel also noted here that EI-R45 appears to be more of a standard, than an activity status rule. As a consequence, we believe it should be incorporated into the standards of the various zones. However, there is not scope in the submissions to make such a change, but we recommend that Council consider addressing this matter in the next plan change process.

## 4. EI-O1 Provision of Energy and Infrastructure

51. The following is a summary of the Panel’s recommended amendments to EI-O1, beyond those recommended by the s42A report author:

| Provision | Panel recommendations   |
|-----------|---|
| EI-O1     | Accept deletion of “changing techniques and technology” but do not insert reference to ‘functional need or operational need’. |

52. The submission we consider here is that of MainPower who sought minor amendments to EI-O1 for clarification by replacing ‘changing techniques and technology’ with ‘and to recognise practical, technical and operational requirements.’<sup>9</sup> The s42A report author recommended accepting the principle of the proposed amendment but recommended the use of the wording “functional need” and “operational need” to align with the National Planning Standards.
53. While MainPower accepted the amendments proposed by the s42A report, the Panel considered that the reference to “functional need” and “operational need” is not needed on EI-O1 as it recognised by the amendments accepted to EI-O2. The Panel is of the view that the reference to ‘future needs such as increased sustainability’ is broad enough to capture how the provision of infrastructure needs to adapt over time.

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<sup>9</sup> 249.52

## 5. Rule EI-R4 - Customer connection between a building, other structure, site, and infrastructure

54. The following is a summary of the Panel's recommended amendments to EI-R4, beyond those recommended by the s42A report author:

| Provision                                   | Panel recommendations  |
|---|--|
| EI-R4                                       | Amend the activity status when compliance is not achieved for connections to heritage buildings to 'controlled'. |
| EI- R8                                      | Consequential amendment to clarify that this rule does not apply to activities provided for by EI- R4(1).        |
| Header "Matters of Discretion" and "EI-MD1" | Change the header to Matters of control and discretion and change EI-MD1 to EI-MCD1                              |

55. The submission we consider here is that of the Telco Companies<sup>10</sup> who sought a 'controlled activity' status when the conditions of this rule could not be met. The reason for the submission is that enabling such connections will encourage the practical use of heritage listed buildings while minimising impacts on heritage values. This submission was rejected by the s42A report author on the basis that it was inconsistent with the equivalent activity status under the Historic Heritage rules when compliance is not achieved. However, the s42A report author supported the addition of a new matter of discretion relating to operational considerations.
56. In his evidence for the Telco Companies, Mr Horne highlighted the certainty that controlled activity status provides in comparison to restricted discretionary activity status. In his view, this enabling approach *"supports the ongoing use of heritage buildings and as such increases the likelihood of owners properly maintaining and investing in them and therefore protecting their heritage values."* He noted that controlled activity status still requires a consideration of appropriate methods to minimise the impact on heritage values.
57. The authors of the EI and HH s42A reports were asked by the Panel to provide a joint response and final recommendations in respect of this matter in their reply. That recommendation did not change the report author's opinion that the notified provisions *"strike the right balance between providing for the ongoing use and re-use of heritage buildings while also protecting historic heritage values, as required by HH-P5."*
58. The Panel agreed with Mr Horne's evidence on this matter. If the reuse of heritage buildings is to be encouraged, the Panel's view is that it should not be made difficult to upgrade them, so they are fit for modern purposes. Controlled activity status will provide the owners of heritage buildings with certainty around the outcome and the notification

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<sup>10</sup> Chorus, Spark and Vodafone [62.29]

process. Such connections can generally be made without being particularly invasive but the impact on heritage values will still be appropriately addressed under EI-MD1.

59. To avoid confusion, we have also recommended a consequential amendment with the addition of an advice note to EI-R8 'Installation of new infrastructure within an existing building' clarifying that EI-R8 does not apply to the activities provided for by EI-R4. Customer connections often end up 'within' a building so would technically be caught by EI-R8 without this clarification.
60. We also recommend a further consequential amendment to change the 'Matters of Discretion' heading to 'Matters of Control and Discretion', so that reference to EI-MD1 will now become EI-MCD1.

## 6. EI-R12 Replacement of a pole or tower

61. The following is a summary of the Panel's recommended amendments to EI-R12, beyond those recommended by the s42A report author:

| Provision | Panel recommendations  |
|-----------|--|
| EI-R12    | Amend the recommended new clause (7) to state that it is the 'pole or tower' that must be finished in certain colours, as opposed to the 'activity'<br>Minor amendment to the recommended new clause (2) so that it is 'as of' the date as opposed to 'on' the date. |

62. The submissions we consider here are that of the Transpower<sup>11</sup> and MainPower<sup>12</sup> who sought minor changes to the wording of the provisions for clarity. These were accepted by the s42A report author. While we also agree the changes are appropriate, we have made some minor changes to the wording recommended by the s42A report author.
63. The first change relates to EI-R12(7) which was introduced to address the integration of the EI and NFL chapter. Again, the Panel agrees that it is appropriate to include this rule with the EI chapter rules. However, we have recommended a minor wording change in relation to what should be finished in the appropriate colour. In this case it is the 'pole or tower' that should be finished in the appropriate colour. This change has been made to all rules that this condition has been incorporated into. The affected rules are identified in Section 12 Minor Changes below.
64. The second change is a minor amendment that been recommended to the rule in relation to the operative date of the PDP. The Panel has recommended the replacement of 'on' with the grammatically correct 'as of', which in this case means the date the rule has effect.

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<sup>11</sup> 195.37

<sup>12</sup> 249.72

## 7. EI-R13 Addition to a pole or tower

65. The following is a summary of the Panel's recommended amendments to EI-R13, beyond those recommended by the s42A report author:

| Provision | Panel recommendations  |
|-----------|--|
| EI-R13    | Restructure the rule so that it is not so repetitive. Minor amendments to the recommended wording of the s42A report author. |

66. The submission we consider here is that of MainPower<sup>13</sup> who sought amendments to have a fixed limit of 2m<sup>3</sup> for new equipment and to Clause 2 in relation to height. These were accepted in part by the s42A report author, with MainPower accepting the amendments proposed by the s42a Report author.
67. While we also agree the changes are appropriate, we have made some minor changes to the wording recommended by the s42A report author and restructured the rule to reduce its repetitiveness.

## 8. EI-R41 New small scale wind turbine(s) for small scale or community scale renewable electricity generation

68. The following is a summary of the Panel's recommended amendments to EI-R41, beyond those recommended by the s42A report author:

| Provision | Panel recommendations  |
|-----------|--|
| EI-R41    | For the recommended new clause relating to roof mounted wind turbines, change EI-R41.8(c) to an exemption from complying with the height in relation to boundary requirements. |

69. The submission we consider here is that of the Waimakariri District Council<sup>14</sup> who sought amendments to clarify the rule is for free standing wind turbines. The s42A report author recommended these be accepted.
70. While we also agree the changes are appropriate, we have recommended some further minor changes to the recommended wording. EI-R41.8(c) requires that the wind turbine be exempt from height in relation to boundary requirements. This is because it is not a condition as such but an exemption from the height in relation to boundary requirements.

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<sup>13</sup> 249.74

<sup>14</sup> 367.50

## 9. EI-R42 New solar hot water systems

71. The following is a summary of the Panel’s recommended amendments to EI-R42, beyond those recommended by the s42A report author

| Provision | Panel recommendations      |
|-----------|----------------------------|
| EI-R42    | Retain EI-R42 as notified. |

72. The submission we consider here is that of Daiken<sup>15</sup> who sought amendments to expand the scope of the rule so that solar hot water systems are provided for in the same or similar circumstances as in EI-R40, which permits new solar cell(s) for small scale or community scale renewable electricity generation. The submission has been accepted in part by the s42A report author, with a number of changes recommended to align it with EI-R40.
73. However, the Panel considers both the original submission and the s42A report author have misunderstood this rule. The actual Daiken submission stated:

*“Similar to the solar cell rule above, DNZ supports the enablement of solar hot water systems but notes that this rule is worded differently from Rule EI-R40 such that it appears to be limited to installation only on the roof of buildings and within specified zones. This restriction is considered unnecessary, and it is sought that this rule be expanded to provide for the same circumstances as in rule EI-R40.”*

74. The rule as notified is not limited only to the roof of buildings and within specified zones. It applies to all zones and the conditions only apply if it is located on the roof of a building in, or adjoining, Residential Zones, Special Purpose Zone (Kāinga Nohoanga) or Special Purpose Zone or it alters a building with heritage values. As a consequence, there are no restrictions on such activities in industrial or commercial zones unless the building adjoins these zones. Hence, the recommended change does not achieve the intent of the Daiken submission as it in fact restricts the “*enablement of solar hot water systems.*”
75. As a consequence, the Panel recommends the retention of the rule as notified. That part of the Daiken submission that supports the rule is recommended to be accepted but the part seeking changes is not.

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

76. The following is a summary of the Panel’s recommended amendments to relation to EI-R51 and EI-R52, beyond those recommended by the s42A report author:

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<sup>15</sup> 145.17

| Provision          | Panel recommendations                                       |
|--------------------|---|
| EI-R51             | Relocate EI-R51 to the various zone rules and SIGNS rules.. |
| EI-R52 and EI-R52A | Relocate EI-R52 and EI-52A to the EW rules section.         |

77. The submissions we consider here relate to activities within the National Grid Yard. EI-R51 relates to activities other than earthworks, while EI-R52 relates to earthworks. Five submissions were received on EI-R51, all of which were seeking amendments.<sup>16</sup> Four submissions were received on EI-R52, with two seeking that it be retained as notified<sup>17</sup>. Transpower<sup>18</sup> supported the rule but sought amendments while Federated Farmers<sup>19</sup> also sought amendments.
78. The Panel accepts the final position reached by the s42A report author on both of these rules. However, our concern is where they are located within the District Plan itself. These rules do not apply to infrastructure activities themselves but to other activities that may have effects on infrastructure. The s42A report author's position is that these rules should be located within the EI chapter for efficiency purposes i.e. so they are not repeated throughout the various sections District Plan. In the Panel's opinion this reasoning no longer applies with electronic plans.
79. In our view, the most appropriate location for EI-R51 is within the rules of the zone chapters while the most appropriate location for EI-R52 is within the EW chapter, along with all earthwork's rules. In terms of scope for this change, the Panel considers this is an alteration 'of minor effect' provided for by clause 16(2) of the First Schedule to the Act. However, there are also a number of submissions opposing the structure of the plan in terms of the relationship between the EI chapter and the other provisions of the plan<sup>20</sup>. In particular, MainPower<sup>21</sup> specifically requested that all corridor protection provisions be located within the relevant zone chapters.
80. The notified National Grid corridor protection rules applied to 'all zones' and there is no scope in the submissions to reduce the number of zones they apply to. Hence, the Panel considers that National Grid corridor protection rules must be inserted into 'all zones', irrespective or not if the National Grid is or may be located in these zones. These rules are also recommended for inclusion in the SIGNS rules section given the notified rule also applies to sign activities, which can impact on the operation of electricity distribution lines.
81. The Panel therefore recommends that these submissions are accepted in part.

<sup>16</sup> Transpower [195.43], Horticulture NZ [295.80], Kainga Ora [325.45], Federated Farmers [414.80], Federated Farmers [414.81],

<sup>17</sup> Horticulture NZ [295.81], Kainga Ora [325.46]

<sup>18</sup> 195.44

<sup>19</sup> 414.82

<sup>20</sup> Chorus, Spark New, Vodafone [62.6]; Transpower NZ [195.23], Mainpower NZ Ltd [249.1 and 49]

<sup>21</sup> 249.49



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

82. The following is a summary of the Panel's recommended amendments in relation to EI-R55 and EI-R56, beyond those recommended by the s42A report author:

| Provision | Panel recommendations                                      |
|-----------|--|
| EI-R56    | Relocate EI-R56 to the various zone rules and SIGNS rules. |
| EI-R54    | Relocate EI-R54 to the EW rules section.                   |

83. The submissions we consider here are those of Mainpower<sup>22</sup> in relation to activities and earthworks adjacent major electricity distribution lines. While the Panel accepts the final position reached by the s42A report author on both rules, we again note that these rules do not apply to infrastructure activities themselves but to other activities that may have effects on infrastructure. Hence, as we have recommended with the National Grid corridor protection rules discussed above, we recommend that EI-R56 is relocated to the rules of 'all zone' chapters while EI-R54 is relocated to the rules of EW chapter in accordance with our recommendation above.
84. We note that MainPower<sup>23</sup> specifically requested that all corridor protection provisions be located within the relevant zone chapters. The Chapters identified in their submission were as follows:
- General Residential Zone
  - Large Lot Residential Zone
  - General Rural Zone
  - Rural Lifestyle Zone
  - General Industrial Zone
  - Open Space Zone
  - Settlement Zone
  - Sport and Active Recreation Zone
  - Natural Open Space Zone
85. However, the agreed position in JWS retained these rules as applying to 'all zones'. We consider this is appropriate to guard against future extensions of such lines or the establishment of new zones that may be affected by such lines. These rules are also recommended for inclusion in the SIGNS rules section given the notified rule also applies to sign activities, which can impact on the operation of electricity distribution lines.
86. We therefore recommend that Mainpower's submissions be accepted in part.

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<sup>22</sup> 249.49, 92 and 93

<sup>23</sup> 249.49

## 12. Integration with Industrial Zones

87. A submission from DoC<sup>24</sup> on HIZ-R12 within the Heavy Industrial Zone (HIZ) raised an integration issue between the industrial zone provisions and those of the EI chapter. Rule HIZ-R12 identifies *“land-based sewage disposal and/or wastewater disposal, and/or treatment areas for sewage or wastewater, including oxidation ponds”* as controlled activities in the HIZ. The definition of ‘Heavy Industry’ itself includes the *“storage and disposal of sewage, septic tank sludge or refuse”*. ‘Heavy Industry’ is a permitted activity in the HIZ (HIZ-R7) and a discretionary activity in the General Industrial zone (GIZ) under rule GIZ-R17.
88. These activities fall within the definition of ‘wastewater system’ which is defined in the PDP as follows:  
*“means all those components of a network between the point of discharge from a customer and the discharge of treated effluent into the natural environment. This includes but is not limited to: trunk main, rising mains, mains, inspection holes, property laterals (on road reserve irrespective of point of discharge), pump stations, pumps, valves, meters, treatment plants, canals, wetlands, lagoons, infiltration basins, and irrigated land.”*
89. These systems are defined as ‘infrastructure’ by Section 2 the Act and are therefore ‘infrastructure’ in the PDP. EI-R46 of the EI chapter provides for ‘the construction of new, or renewal or upgrading of existing wastewater systems’. As will be evident from our recommendations on the EI chapter submissions, we agree with submitters who consider that all rules that apply to ‘infrastructure’ should be in the EI chapter.
90. However, that is not the case with ‘wastewater systems’ as the three industrial zone rules identified above (HIZ-R7, HIZ-R12 and GIZ-R17) also apply to ‘wastewater systems’. However, there is no scope for the Panel to address this integration issue, and we therefore recommend that Council consider addressing this matter in the next plan change process.
91. There is also an internal conflict within the HIZ whereby ‘Heavy Industry’ is permitted under HIZ-R7, but ‘wastewater systems’ are controlled activities under HIZ-R12. This can be remedied by a Schedule 1 clause 16(2) amendment. We recommend that the following note be added to HIZ-R7:  
*“Note: This rule does not apply to those activities provided for in HIZ-R12.”*<sup>25</sup>

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<sup>24</sup> 419.140

<sup>25</sup> Note: HIZ-R12 is the notified rule but it has now been renumbered through our recommendations to HIZ-R14

## 13. Minor Changes

92. As discussed above, there are a number of minor changes pursuant to clause 16(2) of the Schedule 1 to the Act that are needed to address the reference to ‘activity’ in the various conditions that have been introduced to address the colour of structures in ONLs, ONFs and SALs. The rules affected, that have not already been addressed above, as follows:

| Provision                 | Panel recommendations |
|---------------------------|-----------------------|
| EI-R19, 27, 29, 30 and 36 | Activity              |

## 14. Conclusion

93. For the reasons summarised above, we recommend the adoption of a set of changes to the PDP provisions relating to EI – Energy and Infrastructure chapter. Our recommended amendments are shown in Appendix 2.
94. Overall, we find that these changes will ensure the PDP better achieves the statutory requirements, national and regional direction, and our recommended Strategic Directions, and will improve its useability.

**Appendix 1: Submitter attendance and tabled evidence for Energy and Infrastructure - Hearing Stream 5**

| <b>Attendee</b>   | <b>Speaker</b>  | <b>Submitter No.</b> |
|---|---|----------------------|
| Council Reporting Officer                                   | <ul style="list-style-type: none"> <li>• Andrew MacLennan</li> </ul>  | N/A                  |
| Transpower NZ Ltd   | <ul style="list-style-type: none"> <li>• Ainsley McLeod</li> <li>• Jordan Witehira (teams)</li> <li>• Katherine Viskovic (Legal)</li> </ul>   | 195, FS 92           |
| New Zealand Association of Radio Transmitters, Inc. (NZART) | <ul style="list-style-type: none"> <li>• Owen Pimm</li> <li>• Geoff Gooch</li> </ul>  | 157                  |
| Kainga Ora  | <ul style="list-style-type: none"> <li>• Brendon Liggett (Corporate)</li> <li>• Jon Styles (Noise)</li> <li>• Lance Jimmieson (Ventilation)</li> <li>• Matt Lindenberg (Planning – Noise)</li> <li>• Clare Dale (Planning – Other District Wide Matters)</li> <li>• Lisa Williams (Transport)</li> </ul>                          | 325, FS 88           |
| Heritage NZ   | <ul style="list-style-type: none"> <li>• Arlene Baird (teams)</li> </ul>  | 176, FS 115          |
| George JasonSmith   | <ul style="list-style-type: none"> <li>• George JasonSmith</li> </ul>   | 270                  |
| CIAL  | <ul style="list-style-type: none"> <li>• Darryl Millar (Planning)</li> </ul>  | 254, FS 80           |
| MainPower   | <ul style="list-style-type: none"> <li>• Melanie Foote (Planning)</li> <li>• Mark Appleman (General Manager Network Strategy &amp; Planning)</li> <li>• Jo Appleyard (Legal)</li> </ul>   | 249, FS 58           |
| KiwiRail  | (Teams) <ul style="list-style-type: none"> <li>• Jacob Burton</li> <li>• Mike Brown, Catherine Hepplethwaite (Planning)</li> <li>• Stephen Chiles (Noise and Vibration)</li> </ul>  | 373, FS 99           |
| Waka Kotahi   | <ul style="list-style-type: none"> <li>• Stuart Pearson in person</li> </ul> (Teams) <ul style="list-style-type: none"> <li>• Catherine Heppelthwaite (Planning – Noise Matters)</li> <li>• Dr Stephen Chiles (Acoustic Specialist: Noise Matters)</li> <li>• Robert Swears (Traffic Safety and Transport Engineering)</li> </ul> | 275, FS 110          |
| McAlpines   | <ul style="list-style-type: none"> <li>• William Reeve (Acoustic Engineer)</li> <li>• Tim Walsh (Planner)</li> <li>• John Duncan &amp; John Gardner from McAlpines explaining the existing use and economic scale of their operations</li> <li>• Chris Fowler (Legal)</li> </ul>  | 226, 102             |
| Chorus NZ Ltd, Spark NZ Trading Ltd, Vodafone NZ Ltd        | (Teams) <ul style="list-style-type: none"> <li>• Chris Horne</li> <li>• Graeme McCarrison</li> </ul>  | 62, FS 95            |

|                             |   |             |
|-----------------------------|---|-------------|
|                             | <ul style="list-style-type: none"> <li>• (Fiona Matthews, Andrew Kantor, Colin Clune – Joint statement with Graeme McCarrison)</li> </ul> |             |
| NZ Defence Force            | <ul style="list-style-type: none"> <li>• Darran Humpheson</li> <li>• Rebecca Davies NZDF (Teams)</li> </ul>                               | 166         |
| Fulton Hogan                | <ul style="list-style-type: none"> <li>• Tim Ensor</li> </ul>   | 41          |
| Canterbury Regional Council | <ul style="list-style-type: none"> <li>• Joanne Mitten</li> </ul>   | 316, FS 105 |
| Horticulture NZ             | <ul style="list-style-type: none"> <li>• Sarah Cameron (Teams)</li> </ul>   | 295, FS 47  |
| Federated Farmers           | <ul style="list-style-type: none"> <li>• Lionel Hume</li> <li>• Karl Dean</li> </ul>  | 414, FS 83  |
| <b>Tabled Evidence</b>      |   |             |
| KiwiRail                    | <ul style="list-style-type: none"> <li>• Sheena McGuire</li> </ul>  | 373, FS 99  |
| Waimakariri Irrigation Ltd  | <ul style="list-style-type: none"> <li>• Kirsty Jacomb</li> </ul>   | 210         |
| Daiken                      | <ul style="list-style-type: none"> <li>• Stephanie Styles</li> </ul>  | 145         |
| Fire & Emergency NZ         | <ul style="list-style-type: none"> <li>• Lydia Shirley</li> </ul>   | 303         |

**Appendix 2:** Recommended amendments to the Proposed Plan - Tracked from notified version  
(provisions not consequentially renumbered)

# 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.~~
- ~~• 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.~~

<sup>1</sup> Christchurch International Airport Ltd [254.25].

<sup>2</sup> RMA Schedule 1 Clause 16(2)

- ~~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>~~

| Objectives |  |
|------------|--|
| EI-O1      | <b>Provision of energy and infrastructure</b><br>Across the District: <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 needs such as increased sustainability, <del>and changing techniques and technology</del>;<sup>5</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>   |
| EI-O2      | <b>Adverse effects of energy and infrastructure</b><br>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>6</sup> .  |
| EI-O3      | <b>Effects of other activities and development on energy and infrastructure</b><br>The safe, efficient and effective operation, maintenance, repair, <u>renewal</u> , <sup>7</sup> upgrading and development of energy and infrastructure is not constrained or compromised by <u>incompatible</u> <sup>8</sup> activities and development, including by reverse sensitivity effects.  |
| Policies   |  |
| EI-P1      | <b>Recognising the benefits of, and providing for, energy and infrastructure</b><br>Recognise the local, regional or national benefits of energy and infrastructure through: <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 significant infrastructure;</li> <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> </ol> |

<sup>3</sup> Chorus, Spark and Vodafone [62.6].

<sup>4</sup> Transpower [195.24].

<sup>5</sup> MainPower [249.52].

<sup>6</sup> MainPower [249.53], Christchurch International Airport Ltd [254.27] and Waka Kotahi [275.12].

<sup>7</sup> Federated Farmers [414.68].

<sup>8</sup> MainPower [249.54], Christchurch International Airport Ltd [254.28].



|              |  |
|--------------|--|
|              | <ol style="list-style-type: none"> <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>  |
| <b>EI-P2</b> | <p><b>Availability, provision and adequacy of, and connection to, energy and infrastructure</b></p> <p>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> |
| <b>EI-P3</b> | <p><b>New technologies and techniques</b></p> <p>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>  |
| <b>EI-P4</b> | <p><b>Environmentally sustainable outcomes</b></p> <p><del>Seek more</del> <u>Encourage</u><sup>9</sup> environmentally sustainable outcomes associated with energy and infrastructure, <u>where possible</u>,<sup>10</sup> including by <del>promoting</del><sup>11</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 delivered;</li> <li>6. offsetting greenhouse gas emissions through activities such as planting carbon sequestering trees <u>excluding wilding or pest species</u><sup>12</sup> or the establishment and restoration of wetlands; <u>and</u></li> </ol>  |

<sup>9</sup> Kainga Ora [325.25].

<sup>10</sup> Kainga Ora [325.25].

<sup>11</sup> Environment Canterbury [316.20].

<sup>12</sup> Environment Canterbury [316.20].

|       |   |
|-------|---|
|       | <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>13</sup></p>  |
| EI-P5 | <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>14</sup> the ongoing operation, maintenance, repair, <del>renewal</del>,<sup>15</sup> removal and minor upgrade of existing energy and infrastructure;</li> <li>2. <del>providing for new energy and infrastructure, or major upgrades to existing energy and infrastructure while</del><sup>16</sup> avoiding, remedying or mitigating adverse effects <del>of more than minor upgrades to existing energy and infrastructure, including effects</del><sup>17</sup> on: <ol style="list-style-type: none"> <li>a. natural and physical resources;</li> <li>b. amenity values;</li> <li>c. <del>existing</del><sup>18</sup> sensitive <del>activity activities</del>;</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><del>3A. using major upgrades to existing energy and infrastructure as an opportunity to reduce existing adverse effects where appropriate to do so;</del><sup>19</sup></p> </li> <li>3. New <del>regionally significant new energy and</del><sup>20</sup> infrastructure, or major upgrades to existing <del>regionally significant energy and</del><sup>21</sup> infrastructure <del>that is located outside of the coastal environment, should shall</del><sup>22</sup>, to the extent <del>considered</del><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>f. <del>places adjoining the coastal marine area;</del><sup>24</sup></li> </ol> </li> <li>4. where <del>new regionally significant energy and</del><sup>25</sup> infrastructure, or major upgrades to existing <del>regionally significant energy and</del><sup>26</sup> infrastructure, cannot locate outside of the sensitive environments in <del>(3)(a) (b) (d) and ( e) above, and for renewable electricity generation assets and activities and electricity transmission network</del></li> </ol> |

<sup>13</sup> Kainga Ora [325.25].

<sup>14</sup> Transpower [195.29].

<sup>15</sup> Federated Farmers [414.68].

<sup>16</sup> Transpower [195.29].

<sup>17</sup> Transpower [195.29].

<sup>18</sup> Transpower [195.29].

<sup>19</sup> Transpower [195.29].

<sup>20</sup> Forest and Bird [192.39].

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

<sup>22</sup> Transpower [195.29].

<sup>23</sup> Transpower [195.29].

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

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

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

|                     |  |
|---------------------|--|
|                     | <p><del>27</del> <u>assets and activities in 3(c) above</u>, the energy and infrastructure <del>should</del> <u>shall</u><sup>28</sup>, to the extent <del>considered</del><sup>29</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>30</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 <u>in the sensitive environments</u><sup>31</sup> in (3) above will be remedied or mitigated;</li> </ol> <p><del>5. consider biodiversity offset for residual adverse effects on indigenous biodiversity that cannot otherwise be avoided, remedied or mitigated; Where new regionally significant energy and</del><sup>32</sup> <u>infrastructure, or major upgrades to existing regionally significant energy and</u><sup>33</sup> <u>infrastructure (excluding renewable electricity generation assets and activities and electricity transmission network assets and activities), cannot locate outside of the sensitive environments in 3(c), ECO-P5 shall apply.</u><sup>34</sup></p> <ol style="list-style-type: none"> <li>6. avoiding <del>or mitigating</del><sup>35</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</li> <li>7. promoting the undergrounding of new energy and infrastructure where it is: <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> </li> </ol> |
| <p><b>EI-P6</b></p> | <p><b>Effects of other activities and development on energy and infrastructure</b></p> <p>Manage adverse effects, <u>including reverse sensitivity effects</u>,<sup>36</sup> of <u>incompatible</u><sup>37</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 <del>the National Grid and</del><sup>38</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 <del>the National Grid and</del><sup>39</sup> major electricity distribution lines including support structures;</li> <li>b. sensitive activity and development that may compromise <del>the National Grid and</del><sup>40</sup> major electricity distribution lines, <del>including those associated with</del></li> </ol> </li> </ol>   |

<sup>27</sup> Consequential amendments from Forest and Bird [192.46] and Fulton Hogan [41.24]

<sup>28</sup> Transpower [195.29]

<sup>29</sup> Transpower [195.29].

<sup>30</sup> Forest and Bird [192.39].

<sup>31</sup> Consequential amendments from Forest and Bird [192.46] and Fulton Hogan [41.24]

<sup>32</sup> Forest and Bird [192.39].

<sup>33</sup> Forest and Bird [192.39].

<sup>34</sup> Consequential amendments from Forest and Bird [192.46] and Fulton Hogan [41.24]

<sup>35</sup> Transpower [195.29].

<sup>36</sup> Christchurch International Airport Ltd [254.31].

<sup>37</sup> Christchurch International Airport Ltd [254.31].

<sup>38</sup> Transpower [195.30].

<sup>39</sup> Transpower [195.30].

<sup>40</sup> Transpower [195.30].

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|  | <p><del>intensive farming activities</del><sup>41</sup>, are excluded from establishing within identified safe buffer distances <del>to the extent reasonably possible</del><sup>42</sup>;</p> <p>c. changes to existing activities within identified safe buffer distances do not further constrain or restrict the operation, maintenance, <del>repair-replacement</del><sup>43</sup>, upgrading and development of <del>the National Grid and</del><sup>44</sup> major electricity distribution lines; and</p> <p><u>2A. with regards to the National Grid, in addition to (1) above:</u></p> <p>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></p> <p>b. <u>to the extent reasonably possible, managing other activities to avoid reverse sensitivity effects, on the National Grid and</u><sup>45</sup></p> <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. SIGN - 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>46</sup>

<sup>41</sup> Horticulture NZ [295.76], Federated Farmers [414.71], Transpower [195.30].

<sup>42</sup> Horticulture NZ [295.76].

<sup>43</sup> Mainpower [249.60].

<sup>44</sup> Transpower [195.30].

<sup>45</sup> Transpower [195.30].

<sup>46</sup> Chorus, Spark, Vodafone [62.6], Transpower [195.23], Mainpower [249.1].

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

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| <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><br>Where:<br>1. <u>the activity is not located in SASM (except where located in a road corridor); and<sup>47</sup></u><br>2. the activity <u>shall comply</u> with Earthworks standards EW-S1 <del>to</del> <u>EW-S2, EW-S4, EW-S5, EW-S6 and<sup>48</sup> EW-S7, as well as any Earthworks standards in any relevant overlay<sup>49</sup>.</u> | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br><u>EI-MCD1 - Historic heritage, cultural values and the natural environment<sup>50</sup></u><br><u>EI-MCD3 - Operational considerations<sup>51</sup></u><br>EI-MCD9 - Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure <sup>52</sup> |
| <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><br>Where:<br>1. a new customer connection shall not involve alteration to a <u>historic heritage</u> building or other structure <u>listed in HH-SCHED2 with heritage values<sup>53</sup></u> ;   | <u><b>Activity status when compliance with (1) is not achieved: CON<sup>58</sup></b></u><br><b>Activity status when compliance <u>with 2 to 6 are<sup>59</sup></u> not achieved: RDIS</b><br><b>Matters of <u>control/<sup>60</sup></u>discretion are restricted to:</b>   |

<sup>47</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and Mainpower [249.1, 249.24, 249.47, 249.48]

<sup>48</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], Mainpower [249.1].

<sup>49</sup> Transpower [195.32].

<sup>50</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>51</sup> Chorus, Spark and Vodafone [62.66].

<sup>52</sup> Chorus, Spark and Vodafone [62.29]

<sup>53</sup> Chorus, Spark and Vodafone [62.66].

<sup>58</sup> Chorus, Spark and Vodafone [62.29]

<sup>59</sup> Chorus, Spark and Vodafone [62.29]

<sup>60</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p>2. a new customer connection shall not involve earthworks in the root protection area of a notable tree, except where the works:</p> <ul style="list-style-type: none"> <li>a. involve installation at least 1m below existing ground level; and</li> <li>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods; and</li> <li>c. have an entry point either: <ul style="list-style-type: none"> <li>i. located outside of the root protection area; or</li> <li>ii. with a maximum area of 1m<sup>2</sup>;</li> </ul> </li> </ul> <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> <ul style="list-style-type: none"> <li>a. <u>SASM</u>;<sup>54</sup></li> <li>b. SNAs;</li> <li>c. <del>places adjoining the coastal marine area</del> <u>the coastal environment</u>;<sup>55</sup></li> </ul> <p>4. a new customer connection shall not involve above ground infrastructure in the following areas (except where located in a road corridor):</p> <ul style="list-style-type: none"> <li>a. ONF, ONL and SAL;</li> <li>b. areas of ONC, VHNC and HNC; and</li> </ul> | <p>EI-MCD1 - Historic heritage and the natural environment<sup>61</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>62</sup></p> |
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<sup>54</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>55</sup> Chorus, Spark and Vodafone [62.6].

<sup>61</sup> Chorus, Spark and Vodafone [62.29]

<sup>62</sup> Chorus, Spark and Vodafone [62.66].

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|                  | <p>c. <del>places adjoining the coastal marine area</del><br/><u>the coastal environment</u><sup>56</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>57</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>   |  |
| <b>EI-R5</b>     | <b>Meteorological and environmental sensing and monitoring equipment, and navigational aid</b>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>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. <u>SASM</u><sup>63</sup>;</p> <p>b. SNAs;</p> <p>c. ONF, ONL and SAL;</p> <p>d. areas of ONC, VHNC and HNC; <u>and</u></p> <p>e. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7</u><sup>64</sup>.</p> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/>EI-M<del>CD</del>1 - Historic heritage and the natural environment<sup>65</sup></p> |
| <b>EI-R6</b>     | <b>Trimming or removal of trees <u>including notable trees</u><sup>66</sup> and vegetation</b>  |  |

<sup>56</sup> Chorus, Spark and Vodafone [62.6].

<sup>57</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>63</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>64</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>65</sup> Chorus, Spark and Vodafone [62.29]

<sup>66</sup> Chorus, Spark and Vodafone [62.6].



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| All Zones                   | <b>Activity status: PER</b><br>Where:<br>1. 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.<br>2. <u>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>67</sup>  | <b>Activity status when compliance not achieved:</b><br>N/A   |
|                             | <b>Advisory Notes</b> <ul style="list-style-type: none"> <li>This rule applies to situations such as protecting the <u>security</u><sup>68</sup>, safe operation or maintenance of <u>infrastructure</u><sup>69</sup> overhead lines or removing an associated potential <del>fire</del> <u>electrical</u><sup>70</sup> risk <u>or risk to the public</u><sup>71</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>NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> <li><u>TREE- R6 and TREE-R7 apply to the Removal of any Notable Tree listed in TREE-SCHED1.</u><sup>72</sup></li> </ul> </li> </ul> |   |
| <b>EI-R6A</b> <sup>73</sup> | <b><u>Indigenous vegetation clearance outside any Significant Natural Area</u></b> <sup>74</sup>  |   |
| <b><u>All Zones</u></b>     | <b><u>Activity status: PER</u></b><br>Where:<br>1. <u>the indigenous vegetation clearance is not on land above 900m in altitude; and</u><br>2. <u>the indigenous vegetation clearance is:</u>   | <b><u>Activity status when compliance not achieved:</u></b><br><b><u>RDIS</u></b><br><br><b><u>Matters of discretion are restricted to:</u></b><br><b><u>EI-MCD1 - Historic heritage, cultural values and the natural environment</u></b> <sup>81</sup> |

<sup>67</sup> Chorus, Spark and Vodafone [62.6].

<sup>68</sup> Transpower [195.33].

<sup>69</sup> KiwiRail [373.26].

<sup>70</sup> Transpower [195.33].

<sup>71</sup> Transpower [195.33].

<sup>72</sup> Chorus, Spark and Vodafone [62.6].

<sup>73</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>74</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>81</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].



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|              | <p>a. <u>required for maintenance, repair or replacement purposes and is:</u></p> <p>i. <u>within an existing access track;</u><br/>or</p> <p>ii. <u>within 3m of an existing building; or</u></p> <p>iii. <u>within 2m of an<sup>75</sup> existing gate, existing fire pond, existing stock yard, existing trough, existing buried pipeline or existing water tank;<sup>76</sup></u></p> <p>b. <u>of indigenous vegetation which has been planted or has been planted for amenity purposes or as a shelterbelt;<sup>77</sup></u></p> <p>c. <u>required for the operation or development of the National Grid; or<sup>78</sup></u></p> <p>d. <u>required for the maintenance, repair, upgrade or replacement purposes of critical infrastructure; and<sup>79</sup></u></p> <p>3. <u>the activity is not located in SASM (except where located in a road corridor).<sup>80</sup></u></p> |  |
| <b>EI-R7</b> | <p><b>Freestanding pole in the road corridor</b></p> <p><i><u>This rule does not apply to poles provided for in the activities in the following rules:</u></i></p> <p>- <i><u>EI-R12 Replacement of a pole or tower</u></i></p>   |  |

<sup>75</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>76</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>77</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>78</sup> Transpower [195.74], Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>79</sup> MainPower [249.42], Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>80</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

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|                  | <ul style="list-style-type: none"> <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>82</sup></li> </ul>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>Where:</p> <ol style="list-style-type: none"> <li>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: <ol style="list-style-type: none"> <li>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki Regeneration): 18m; <del>and</del></li> <li>b. all other zones: 25m;<sup>83</sup></li> </ol> </li> <li>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;</u><sup>83</sup></li> <li>3. <u>the activity is not located in SASM (except where located in a road corridor); and</u><sup>84</sup></li> <li>4. <u>the activity complies with Earthworks standard EW-S7.</u><sup>85</sup></li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/><u>EI-MCD1 - Historic heritage and the natural environment</u><sup>86</sup><br/><u>EI-MCD3 - Operational considerations</u><sup>87</sup><br/><u>EI-MCD14 - Extent of effects</u><sup>88</sup></p> |

<sup>82</sup> Clause 16(2)

<sup>83</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>84</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>85</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>86</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>87</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>88</sup> Chorus, Spark and Vodafone [62.29]

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| EI-R8     | <b>Installation of new infrastructure within an existing building</b><br><br><i><u>This rule does not apply to customer connections provided for by EI – R4(1) 'New customer connections to a historic heritage building or other structure listed in HH-SCHED2'<sup>89</sup></u></i>  |   |
| All Zones | <b>Activity status: PER</b><br>Where:<br>1. new installations shall not involve alteration to a <u>historic heritage building listed in HH-SCHED2 with heritage values<sup>90</sup></u> .  | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MCD1 - Historic heritage and the natural environment <sup>91</sup><br><u>EI-MCD3 - Operational considerations<sup>92</sup></u>   |
| EI-R9     | <b>Use of temporary infrastructure</b><br><br><i><u>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.</u></i>   |   |
| All Zones | <b>Activity status: PER</b><br>Where:<br>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;<br>2. <u>the activity is not located in SASM (except where located in a road corridor)<sup>93</sup>; and</u><br>3. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4,</u> | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br><u>EI-MCD1 - Historic heritage, cultural values and the natural environment<sup>95</sup></u><br><u>EI-MCD3 - Operational considerations<sup>96</sup></u><br>EI-MCD4 - Health and safety <sup>97</sup><br>EI-MCD14 - Extent of effects <sup>98</sup> |

<sup>89</sup> Clause 16(2)

<sup>90</sup> Chorus, Spark and Vodafone [62.66]

<sup>91</sup> Chorus, Spark and Vodafone [62.29]

<sup>92</sup> Chorus, Spark and Vodafone [62.66].

<sup>93</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>95</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>96</sup> Chorus, Spark and Vodafone [62.66].

<sup>97</sup> Chorus, Spark and Vodafone [62.29]

<sup>98</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <u>EW-S5, EW-S6, and EW-S7.</u> <sup>94</sup>  |  |
| <b>EI-R10</b>    | <b>Installation of new infrastructure, or upgrading of existing infrastructure, underground</b>  |  |
|                  | <i>This rule does not apply to underground infrastructure established under EI-R45 or EI-R46.</i>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>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>99</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; and</li> <li>ii. is limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods; and</li> <li>iii. has an entry point either: <ol style="list-style-type: none"> <li>a. located outside of the root protection area; or</li> <li>b. with a maximum area of less than 1m<sup>2</sup>;</li> </ol> </li> </ol> </li> <li>b. <u>SASM</u>;<sup>100</sup></li> <li>c. SNAs;</li> </ol> </li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b></p> <p>EI-M<u>C</u>D1 - Historic heritage and the natural environment<sup>105</sup></p> <p>EI-M<u>C</u>D2 - Amenity values, location and design (<u>clause 4 only</u>)<sup>106</sup></p> <p>EI-M<u>C</u>D3 - Operational considerations<sup>107</sup></p> |

<sup>94</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>99</sup> Chorus, Spark and Vodafone [62.30].

<sup>100</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>105</sup> Chorus, Spark and Vodafone [62.29]

<sup>106</sup> Transpower [195.35].

<sup>107</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>c. <del>places adjoining the coastal marine area</del><br/><u>the coastal environment</u><sup>101</sup>;</p> <p>2. <u>upgrades of existing underground infrastructure</u><sup>102</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>103</sup> 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 complies with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, EW-S7; and</u></p> <p>4. <u>for pole foundations, the activity complies with Earthworks standard W-S7.</u><sup>104</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>108</sup> infrastructure; EI-R32 Installation of gas distribution pipeline and fuel systems (including LPG); and EI-R33 An increase in the carrying or operating capacity, efficiency or security of existing gas distribution pipeline and fuel systems.</li> </ul>  |  |
| <b>EI-R11</b>    | <b>Relocation of <u>above ground</u><sup>109</sup> infrastructure</b>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>the relocation shall be within 5m of the existing alignment or location;</li> </ol>  | <p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p><u>EI-MCD1 - Historic heritage, cultural values and the natural environment</u><sup>112</sup></p> |

<sup>101</sup> Chorus, Spark and Vodafone [62.6].

<sup>102</sup> Chorus, Spark and Vodafone [62.30].

<sup>103</sup> Chorus, Spark and Vodafone [62.30].

<sup>104</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>108</sup> Chorus, Spark and Vodafone [62.31].

<sup>109</sup> Chorus, Spark and Vodafone [62.31].

<sup>112</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

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|                  | <p>2. <u>the relocation shall not be located in the following areas (except where located in a road corridor):</u></p> <p>a. <u>root protection area of a notable tree;</u></p> <p>a. <u>SASM</u><sup>110</sup>;</p> <p>3. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, EW-S7:</u></p> <p>and</p> <p>4. <u>For pole foundations, the activity complies with Earthworks standards EW-S7.</u><sup>111</sup></p>   | <p><u>EI-MCD3 - Operational considerations</u><sup>113</sup></p> <p>EI-MCD10 - Relocation of existing infrastructure<sup>114</sup></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>115</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></p> <p>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>116</sup> <u>as of the date the District Plan was made operative.</u><sup>117</sup></li> <li>the diameter or width of a replacement pole shall not exceed twice that of the replaced pole at its widest point;</li> <li>a single pole may be replaced with a pi-pole <u>(or</u></li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p><u>EI-MCD1 - Historic heritage and the natural environment</u><sup>124</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>125</sup></p> <p>EI-MCD14 - Extent of effects<sup>126</sup></p> |

<sup>110</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>111</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>113</sup> Chorus, Spark and Vodafone [62.66].

<sup>114</sup> Chorus, Spark and Vodafone [62.29]

<sup>115</sup> Chorus, Spark and Vodafone [62.31].

<sup>116</sup> Transpower [195.37].

<sup>117</sup> Transpower [195.37].

<sup>124</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

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

<sup>126</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p><u>H-pole</u><sup>118</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>119</sup>;</p> <p>5. the footprint of a <u>replaced replacement</u><sup>120</sup> tower shall not exceed the width of the <u>replaced</u><sup>121</sup> tower by more than 25%; <u>and</u></p> <p>6. a replaced pole or tower shall be removed once its replacement is in place and is operational-;</p> <p>7. <u>if the activity is located within an ONL, ONF, SAL, the pole or tower 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="margin-left: 40px;">a. <u>60% for greyness groups A or B;</u></p> <p style="margin-left: 40px;">b. <u>40% for greyness group C;</u></p> <p>8. <u>notwithstanding (7) above, 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>122</sup></p> <p>9. <u>the activity complies with Earthworks standards EW-S7.</u><sup>123</sup></p> |   |
| <b>EI-R13</b>    | <b>Addition to a pole or tower</b>  |   |
| <b>All Zones</b> | <b>Activity status: PER</b><br>Where:   | <b>Activity status when compliance not achieved: RDIS</b> |

<sup>118</sup> MainPower [249.72].

<sup>119</sup> MainPower [249.72].

<sup>120</sup> MainPower [249.72].

<sup>121</sup> MainPower [249.72].

<sup>122</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>123</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

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|  | <p><u>1. the equipment added to a pole or tower does not:</u></p> <p>(a) <u>exceed a volume of 2m<sup>3</sup></u><br/> <del>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);</del><br/> <del>and</del><sup>127 128</sup></p> <p>(b) <u>exceed</u><sup>129</sup> <u>the height of the existing pole or tower</u><br/> <del>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;</del><sup>130</sup></p> <p>2. <u>where the equipment is added to a pole or tower located within an ONL, ONF, SAL, it 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></p> <p>3. <u>notwithstanding (2) above, where the equipment added to a pole or tower is located within the road reserve, it shall be finished in materials that will</u></p> | <p><b>Matters of discretion are restricted to:</b></p> <p><u>EI-MCD1 - Historic heritage and the natural environment</u><sup>132</sup></p> <p><u>EI-MCD2 - Amenity values, location and design</u><sup>133</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>134</sup></p> <p><u>EI-MD14 - Extent of effects</u><sup>135</sup></p> |
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<sup>127</sup> MainPower [249.74].

<sup>128</sup> MainPower [249.74].

<sup>129</sup> MainPower [249.74].

<sup>130</sup> MainPower [249.74].

<sup>132</sup> MainPower [249.97].

<sup>133</sup> MainPower [249.74].

<sup>134</sup> Chorus, Spark and Vodafone [62.66].

<sup>135</sup> MainPower [249.74].



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|                  | <u>naturally weather to a non-reflective colour.</u> <sup>131</sup>   |   |
| <b>EI-R14</b>    | <b>Replacement of an antenna</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>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%<sup>131</sup>;</li> <li>2. <u>if the activity is located within an ONL, ONF, SAL, the replacement antenna 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 C; and</u></li> </ol> </li> <li>3. <u>notwithstanding (2) above, antennas attached to infrastructure poles within the road reserve shall be finished in materials that will naturally weather to a non-reflective colour.</u><sup>136</sup></li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/><u>EI-MCD1 - Historic heritage and the natural environment</u><sup>137</sup><br/><u>EI-MCD3 - Operational considerations</u><sup>138</sup><br/><u>EI-MCD14 - Extent of effects</u><sup>139</sup></p> |
| <b>EI-R15</b>    | <b>Replacement of an infrastructure cabinet, <u>electricity cabinet and kiosk</u><sup>140</sup> or infrastructure building</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>Where:</p> <ol style="list-style-type: none"> <li>1. the replacement shall not increase the footprint <u>or height</u><sup>141</sup> of the</li> </ol>   | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b></p>  |

<sup>131</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>136</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>137</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>138</sup> Chorus, Spark and Vodafone [62.66].

<sup>139</sup> Chorus, Spark and Vodafone [62.29]

<sup>140</sup> MainPower [249.75].

<sup>141</sup> MainPower [249.75].

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|               | <p>existing infrastructure cabinet, <u>electricity cabinet and kiosk</u><sup>142</sup>, or infrastructure building by more than 30%; <u>and</u></p> <p>2. 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>143</sup></p> <p><u>2A the replacement infrastructure cabinet, electricity cabinet or infrastructure building is within 5m of the location of the original structure.</u><sup>144</sup></p> <p>3. <u>The replacement is not located in the following areas (except where located in a road corridor):</u><br/> <u>(a) root protection area of a notable tree</u><br/> <u>(b) SASM</u><sup>145</sup>.<br/> <u>and</u></p> <p>4. <u>the activity complies with Earthworks standard EW-S7.</u><sup>146</sup></p> | <p><u>EI-MCD1 - Historic heritage and the natural environment</u><sup>147</sup></p> <p><u>EI-MCD2 - Amenity values, location and design</u><sup>148</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>149</sup></p> <p><u>EI-MD14 - Extent of effects</u><sup>150</sup></p> |
| <b>EI-R16</b> | <b>Upgrading above-ground lines, ducts, cables and pipes</b>  |  |

<sup>142</sup> MainPower [249.75].

<sup>143</sup> MainPower [249.75].

<sup>144</sup> MainPower [249.75].

<sup>145</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>146</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>147</sup> MainPower [249.97].

<sup>148</sup> MainPower [249.75].

<sup>149</sup> Chorus, Spark and Vodafone [62.66].

<sup>150</sup> MainPower [249.75].

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| <p><b>All Zones</b></p> | <p><b>Activity status: PER</b><br/>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>151</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>152</sup> longer or more efficient insulators;</li> <li>e. <del>the addition of</del> <u>adding</u><sup>153</sup> <del>of</del> 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>154</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>155</sup></li> </ol> </li> <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> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/><u>EI-MCD3 - Operational considerations</u><sup>156</sup><br/><u>EI-MCD14 - Extent of effects</u><sup>157</sup></p> |
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<sup>151</sup> MainPower [249.76].

<sup>152</sup> MainPower [249.76].

<sup>153</sup> MainPower [249.76].

<sup>154</sup> MainPower [249.76].

<sup>155</sup> MainPower [249.76].

<sup>156</sup> Chorus, Spark and Vodafone [62.66].

<sup>157</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>4. additional cross arms shall not exceed the length of an existing cross arm by more than 100%, up to a maximum of 4m;</p> <p>5. the bundling of lines (in the absence of cross arms) shall not exceed 100mm in total; and</p> <p>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.</p>  |  |
| <b>EI-R17</b>    | <b>Installation of new mid-span poles</b>   |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>Where:</p> <ol style="list-style-type: none"> <li>the installation of new mid-span poles is to address safety clearances for overhead lines; <b>and</b></li> <li>the maximum number of additional mid-span poles shall be 2;</li> <li><u>the activity is not located in SASM (except where located in a road corridor)<sup>158</sup>; and</u></li> <li><u>the activity complies with Earthworks standard EW-R7.<sup>159</sup></u></li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/><u>EI-MCD1 - Historic heritage and the natural environment<sup>160</sup></u><br/><u>EI-MCD3 - Operational considerations<sup>161</sup></u><br/>EI-MCD14 - Extent of effects<sup>162</sup></p>   |
| <b>EI-R18</b>    | <b>Attachment of pipes, cables, conductors or lines, to bridges, tunnels or culverts</b>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>Where:</p> <ol style="list-style-type: none"> <li>pipes, cables, conductors or lines: <ol style="list-style-type: none"> <li>shall be attached to the underside of the bridge, or incorporated</li> </ol> </li> </ol>  | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b><br/>EI-MCD1 - Historic heritage and the natural environment<sup>164</sup><br/>EI-MCD2 - Amenity values, location and design<sup>165</sup><br/>EI-MCD3 - Operational consideration<sup>166</sup></p> |

<sup>158</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>159</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23], MainPower [249.1].

<sup>160</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].


<sup>161</sup> Chorus, Spark and Vodafone [62.66].

<sup>162</sup> Chorus, Spark and Vodafone [62.29]

<sup>164</sup> Chorus, Spark and Vodafone [62.29]

<sup>165</sup> Chorus, Spark and Vodafone [62.29]

<sup>166</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>within the bridge, tunnel or culvert structure, or within an existing attached conduit, duct or pipe;</p> <p>b. the maximum diameter of any new conduit, duct or pipe shall be 300mm; <u>and</u></p> <p><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>163</sup></p> <p>d. shall not be attached to a bridge, tunnel or culvert with heritage values.</p>   |  |
| <b>EI-R19</b>    | <b>New infrastructure cabinet</b>   |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>a new infrastructure cabinet is located underground; or</li> <li>a new above-ground infrastructure cabinet shall not exceed the following: <ol style="list-style-type: none"> <li>when located in the road corridor adjoining: <ol style="list-style-type: none"> <li>Residential Zones: <ol style="list-style-type: none"> <li>maximum height in relation to infrastructure: 1.8m; and</li> <li>maximum floor area (excluding plinths or foundations) : 1.4m<sup>2</sup>;</li> </ol> </li> <li>all other zones:</li> </ol> </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-MCD1 - Historic heritage and the natural environment<sup>170</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>171</sup></p> <p>EI-MCD3 - Operational consideration<sup>172</sup></p> |

<sup>163</sup> Chorus, Spark and Vodafone [62.32].

<sup>170</sup> Chorus, Spark and Vodafone [62.29]

<sup>171</sup> Chorus, Spark and Vodafone [62.29]

<sup>172</sup> Chorus, Spark and Vodafone [62.29]

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|  | <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>; <del>and</del></p> <p>3. a new infrastructure cabinet shall not be located in the following areas (except where located in a road corridor):</p> <p>a. the root protection area of a notable tree;</p> <p>b. <u>SASM</u>; <sup>167</sup></p> <p>c. <del>SNAs</del>;</p> <p>4. <u>If the activity is located within an ONL, ONF, SAL, the activity must be</u></p> |  |
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<sup>167</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

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|  | <p><u>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</u><sup>168</sup></li> </ul> <p>5. <u>the activity complies with Earthworks standards EW-S1, EW-S6, and EW-S7.</u><sup>169</sup></p> |  |
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| <b>EI-R19A</b> <b>New electricity cabinets and kiosks</b> <sup>173</sup> |   |  |
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| <b>All Zones</b>   | <p><b>Activity status: PER</b></p> <p><u>Where:</u></p> <ul 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;</u></li> <li>b. <u>SASM;</u><sup>174</sup></li> <li>c. <u>SNAs;</u><sup>175</sup></li> </ul> </li> <li>3. <u>If the activity is located within an ONL, ONF, SAL, the infrastructure cabinet must be finished in a colour which, when graded using the British Standard BS5252:1976 Framework for Colour</u></li> </ul> | <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><u>EI-MCD1 - Historic heritage and the natural environment</u></li> <li><u>EI-MCD2 - Amenity values, location and design</u></li> <li><u>EI-MCD3 - Operational consideration</u><sup>178</sup></li> </ul> |

<sup>168</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>169</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>173</sup> MainPower [249.80].

<sup>174</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>175</sup> MainPower [249.80].

<sup>178</sup> MainPower [249.80].

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|  | <p><u>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<sup>176</sup></u></p> <p><u>4. the activity shall comply with Earthworks standards EW-S1, EW-S6, and EW-S7.<sup>177</sup></u></p> |  |
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| <b>EI-R19B</b>   | <b><u>New, or expansion of existing, transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)<sup>179</sup></u></b>  |   |
|                  | <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-R19A</u></li> <li><u>new permanent emergency or back-up electricity generation provided for in EI-R36.</u></li> </ul>   |   |
| <b>All Zones</b> | <p><b><u>Activity status: PER</u></b></p> <p><u>Where:</u></p> <ol style="list-style-type: none"> <li><u>the activity shall comply with the following when located in the road corridor:</u> <ol style="list-style-type: none"> <li><u>maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</u></li> <li><u>maximum height: 3m;</u></li> </ol> </li> <li><u>the activity shall comply with the following when located outside the road corridor:</u> <ol style="list-style-type: none"> <li><u>maximum height: 5.5m;</u></li> <li><u>maximum floor area (excluding plinths or foundations): 40m<sup>2</sup>;</u></li> <li><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</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-MCD1 - Historic heritage and the natural environment</u></p> <p><u>EI-MCD2 - Amenity values, location and design</u></p> <p><u>EI-MCD3 - Operational considerations</u></p> <p><u>EI-MCD4 - Health and safety</u></p> <p><u>EI-MCD5 - Electricity generation<sup>182</sup></u></p> |

<sup>176</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>177</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>179</sup> MainPower [249.87].

<sup>182</sup> MainPower [249.87].



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|  | <p><u>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>g. <u>the coastal environment</u><sup>180</sup>.</li> </ul> <p>4. <u>for new transformers, substations, switching stations, and energy storage batteries (not enclosed within a building), the work shall comply with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7;</u><sup>181</sup> and</p> <p>5. <u>for the expansion of transformers, substations, switching stations, and energy storage batteries (not enclosed within a building), the work shall comply with Earthworks standard EW-S7.</u></p> |  |
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| EI-R20 New infrastructure building |  |  |
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| All Zones                          | <p><b>Activity status: PER</b></p> <p>Where:</p> <ul style="list-style-type: none"> <li>1. a new infrastructure</li> </ul> | <p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MCD1 - Historic heritage and the natural environment<sup>184</sup></p> |

<sup>180</sup> Chorus, Spark and Vodafone [62.6].

<sup>181</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>184</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p>building located in the road corridor shall comply with the following:</p> <ul 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> </ul> <p>2. a new infrastructure building located outside the road corridor shall comply with the following:</p> <ul 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;</li> </ul> <p>3. a new infrastructure building shall not be located in the following areas (except where located in a road corridor):</p> <ul 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; and</li> </ul> <p>4. <u>the activity complies</u></p> | <p>EI-MCD2 - Amenity values, location and design<sup>185</sup><br/> EI-MCD3 - Operational considerations<sup>186</sup></p> |
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<sup>185</sup> Chorus, Spark and Vodafone [62.29]

<sup>186</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <u>with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7.</u> <sup>183</sup>   |  |
| <b>EI-R21</b>    | <b>Activities that generate radiofrequency fields</b>  |  |
| <b>All Zones</b> | <b>Activity status: PER</b><br>Where:<br>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><br>Where:<br>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>187</sup>, vehicle access tracks ancillary to infrastructure <u>which that</u><sup>188</sup> are located in specified sensitive environments</b>   |  |
| <b>All Zones</b> | <b>Activity status: RDIS</b><br>Where:<br>1. the new vehicle access  | <b>Activity status when compliance not achieved: N/A</b> |

<sup>183</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>187</sup> Transpower [195.40].

<sup>188</sup> Transpower [195.40].

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|  | <p>track is located within the following areas:</p> <ol style="list-style-type: none"> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC and HNC;</li> <li>natural character of scheduled freshwater bodies setbacks;</li> <li>the root protection area of a notable tree;</li> <li><u>SASM</u>; <sup>189</sup></li> <li>SNAs; and</li> <li><del>places adjoining the coastal marine area</del> <u>the coastal environment</u> <sup>190</sup>.</li> </ol> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MCD1 - Historic heritage and the natural environment <sup>191</sup></p> <p>EI-MCD9 - Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure <sup>192</sup></p> |  |
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## Activity Rules - Electricity transmission and electricity distribution

| EI-R24 New overhead transmission lines and electricity distribution lines and supporting poles and towers |   |  |
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| All Zones   | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>the activity shall not be located in the following areas (except where located in a road corridor): <ol style="list-style-type: none"> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC</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-MCD1 - Historic heritage and the natural environment <sup>196</sup></p> <p>EI-MCD2 - Amenity values, location and design <sup>197</sup></p> <p>EI-MCD3 - Operational considerations <sup>198</sup></p> <p>EI-MCD4 - Health and safety <sup>199</sup></p> |

<sup>189</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>190</sup> Chorus, Spark and Vodafone [62.6].

<sup>191</sup> Chorus, Spark and Vodafone [62.29]

<sup>192</sup> Chorus, Spark and Vodafone [62.29]

<sup>196</sup> Chorus, Spark and Vodafone [62.29]

<sup>197</sup> Chorus, Spark and Vodafone [62.29]

<sup>198</sup> Chorus, Spark and Vodafone [62.29]

<sup>199</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>and HNC; and</p> <p>c. <del>places adjoining the coastal marine area the coastal environment</del><sup>193</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. <del>SASM</del><sup>194</sup>;</p> <p>c. SNAs;</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;</p> <p>b. all other zones and the adjoining road corridor: 25m; and</p> <p>4. <del>the activity complies with Earthworks standards EW-S2, EW-S6, and EW-S7.</del><sup>195</sup></p> | <p>EI-MCD6 - Electricity transmission and electricity distribution<sup>200</sup></p>  |
| <b>EI-R25</b>    | <p><del>Transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)</del><sup>201</sup></p>  |   |
|                  | <p><del>This rule does not include new permanent emergency or back-up electricity generation provided for in EI-R36.</del></p>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p><del>Where:</del></p> <p><del>6. new transformers, substations, switching stations, and energy storage batteries are</del></p>  | <p><b>Activity status when compliance not achieved: RDIS</b></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> |

<sup>193</sup> Chorus, Spark and Vodafone [62.6].

<sup>194</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>195</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>200</sup> Chorus, Spark and Vodafone [62.29]

<sup>201</sup> MainPower [249.87].

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|  | <p>ancillary to electricity transmission and electricity distribution;</p> <p><del>7. the activity shall comply with the following when located in the road corridor:</del></p> <p><del>a. maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</del></p> <p><del>b. maximum height in relation to infrastructure: 3m;</del></p> <p><del>8. the activity shall comply with the following when located outside the road corridor:</del></p> <p><del>a. maximum height in relation to infrastructure: 5.5m;</del></p> <p><del>b. maximum floor area (excluding plinths or foundations): 30m<sup>2</sup>;</del></p> <p><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>9. the activity shall not be located in the following areas (except where located in a road corridor):</del></p> <p><del>a. the root protection area of a notable tree;</del></p> <p><del>b. SASM;</del></p> <p><del>c. SNAs;</del></p> <p><del>d. ONF, ONL and SAL;</del></p> <p><del>e. areas of ONG, VHNG and HNG;</del></p> <p><del>f. natural character of scheduled freshwater bodies setbacks;</del></p> <p><del>and</del></p> | <p>EI-MD3 – Operational considerations<sup>202</sup></p> |
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<sup>202</sup> MainPower [249.87].

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|  | <del>g. places adjoining the coastal marine area.</del> |  |
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## Activity Rules - Communication facilities

| EI-R26    | New freestanding radiocommunication and telecommunication facilities, antennas, and supporting poles and towers  |   |
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| All Zones | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>the activity shall not be located in the following areas (except where located in a road corridor): <ol style="list-style-type: none"> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC and HNC;</li> <li>natural character of scheduled freshwater bodies setbacks;</li> <li><del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>203</sup>;</li> <li>the root protection area of a notable tree;</li> <li>SASM;</li> <li>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>204</sup></p> <ol style="list-style-type: none"> <li>in the road corridor: <ol style="list-style-type: none"> <li>supporting poles and towers shall have the following maximum height in relation to infrastructure when adjoining: <ol style="list-style-type: none"> <li>Residential Zones, Special Purpose Zone</li> </ol> </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-M<del>C</del>D1 - Historic heritage and the natural environment<sup>207</sup></li> <li>EI-M<del>C</del>D2 - Amenity values, location and design<sup>208</sup></li> <li>EI-M<del>C</del>D3 - Operational considerations<sup>209</sup></li> </ul> |

<sup>203</sup> Chorus, Spark and Vodafone [62.6].

<sup>204</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>207</sup> Chorus, Spark and Vodafone [62.29]

<sup>208</sup> Chorus, Spark and Vodafone [62.29]

<sup>209</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p>(Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 18m;</p> <p>ii. all other zones: 25m;</p> <p>b. dish antennas shall have the following maximum diameter when adjoining:</p> <p>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.38m;</p> <p>ii. all other zones: 1.2m;</p> <p>3. outside the road corridor:</p> <p>a. supporting poles and towers shall have the following maximum height in relation to infrastructure in:</p> <p>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki Regeneration): 18m</p> <p>ii. Commercial and Mixed Use Zones, Industrial Zones and all other Special Purpose Zones:</p> <p>a. 25m; or</p> <p>b. 30m where two or more</p> |  |
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|  | <p>infrastructure operators utilise the same structure;</p> <p>iii. Rural Zones:</p> <p>a. 35m; or</p> <p>b. 40m where two or more infrastructure operators utilise the same structure;</p> <p>b. dish antennas shall have the following maximum diameter in:</p> <p>i. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.6m;</p> <p>ii. all other zones: 1.8m;</p> <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 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)</p> |  |
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|                  | <p><u>and the adjoining road corridor</u><sup>205</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;</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>; and</p> <p>7. <u>the activity complies with Earthworks standards EW-S6, and EW-S7.</u><sup>206</sup></p> |   |
| <b>EI-R27</b>    | <b>New radiocommunication and telecommunication facilities attached to buildings</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <p>1. dish antennas shall comply with the following maximum diameter in:</p> <p>a. Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration): 0.6m;</p> <p>b. all other zones: 1.8m;</p>   | <p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MCD1 - Historic heritage and the natural environment<sup>211</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>212</sup></p> <p>EI-MCD3 - Operational considerations<sup>213</sup></p> |

<sup>205</sup> Chorus, Spark and Vodafone [62.33].

<sup>206</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>211</sup> Chorus, Spark and Vodafone [62.29]

<sup>212</sup> Chorus, Spark and Vodafone [62.29]

<sup>213</sup> Chorus, Spark and Vodafone [62.29]

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|        | <p>2. panel antennas shall comply with either of the following, whichever is the lesser:</p> <ul 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> </ul> <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 new radiocommunication or telecommunication facility 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.</u><sup>210</sup></li> </ul> |  |
| EI-R28 | New overhead telecommunication lines and supporting poles   |  |

<sup>210</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

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| <p><b>All Zones</b></p> | <p><b>Activity status: PER</b><br/>Where:</p> <ol style="list-style-type: none"> <li>the activity shall not be located in the following areas (except where located in a road corridor): <ol style="list-style-type: none"> <li><u>SASM</u><sup>214</sup></li> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC and HNC;</li> <li><del>places adjoining the coastal marine area</del><br/><u>the coastal environment</u><sup>215</sup></li> </ol> </li> <li>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>the root protection area of a notable tree;</li> <li><u>SASM</u><sup>216</sup></li> <li>SNAs;<br/><del>and</del></li> </ol> </li> <li>supporting poles shall comply with the following maximum height in relation to infrastructure in: <ol style="list-style-type: none"> <li>Residential Zones, Special Purpose Zone (Kāinga Nohoanga), or Special Purpose Zone (Pines Beach and Kairaki Regeneration) <u>and the adjoining road corridor</u><sup>217</sup>: 18m; <del>and</del></li> <li>all other zones and the adjoining road corridor: 25m;</li> </ol> </li> <li><u>the activity shall comply with Earthworks standard</u></li> </ol> | <p><b>Activity status when compliance not achieved: RDIS</b><br/><b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MCD1 - Historic heritage and the natural environment<sup>219</sup></li> <li>EI-MCD2 - Amenity values, location and design<sup>220</sup></li> <li>EI-MCD3 - Operational considerations<sup>221</sup></li> </ul> |
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<sup>214</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>215</sup> Chorus, Spark and Vodafone [62.6].

<sup>216</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>217</sup> Chorus, Spark and Vodafone [62.34].

<sup>219</sup> Chorus, Spark and Vodafone [62.29]

<sup>220</sup> Chorus, Spark and Vodafone [62.29]

<sup>221</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>s EW-S1, EW-S2, EW-S5, EW-S6, EW-S7; and</p> <p>5. <u>for pole foundations, the activity shall comply with Earthworks standards EW-S6 and EW-S7.</u><sup>218</sup></p>  |   |
| <b>EI-R29</b>    | <b>New amateur radio configurations</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>the maximum height in relation to infrastructure of any pole shall be 20m;<br/><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>222</sup></li> <li><del>there shall be a maximum of one pole per site;</del><sup>223</sup></li> <li>any antenna other than a simple wire dipole <u>or dish antenna</u><sup>224</sup> shall comply with the following: <ol style="list-style-type: none"> <li>any element comprising the antenna shall be a maximum of 0.08m in diameter and 14.9m in length;</li> <li>for horizontal HF yagi or loop antenna the boom length shall be a maximum of 13m;</li> <li>no part of any antenna, pole or guy wire shall overhang the boundary of the site; <del>and</del></li> </ol> </li> <li>any dish antenna <u>with a maximum diameter of 2m or more</u><sup>225</sup> shall comply with the following:</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-MCD1 - Historic heritage and the natural environment<sup>233</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>234</sup></p> <p>EI-MCD3 - Operational considerations<sup>235</sup></p> |

<sup>218</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>222</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>223</sup> Waimakariri District Council [367.16].

<sup>224</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>225</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>233</sup> Chorus, Spark and Vodafone [62.29]

<sup>234</sup> Chorus, Spark and Vodafone [62.29]

<sup>235</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p><u>a1. there shall be no more than one such dish antenna;</u></p> <p>a. <u>the dish antenna shall have</u><sup>226</sup> a maximum diameter <u>of</u>: 5m;</p> <p>b. <u>the dish antenna shall be pivoted at</u> less than 4m above <del>the</del> ground <u>level</u>;</p> <p>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>227</sup> shall comply with building height in relation to boundary and boundary setbacks for the zone or adjoining zone; <del>and</del></p> <p><del>d. a maximum of one dish antenna per site.</del><sup>228</sup></p> <p>5. <u>any dish antenna with a maximum diameter of less than 2m shall comply with the following:</u></p> <p>a. <u>there shall be no more than two such dish antennas;</u></p> <p>b. <u>such dish antennas may be mounted on poles or a building;</u></p> <p>c. <u>such dish antennas shall not exceed a maximum height of 14m;</u></p> <p>d. <u>such dish antennas shall be exempt from height in relation to boundary requirements but remain subject to</u></p> |  |
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<sup>226</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>227</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>228</sup> Waimakariri District Council [367.16].

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|                  | <p><u>boundary setbacks for the zone.</u><sup>229</sup></p> <p>6. <u>if the activity is located within an ONL, ONF, SAL, the amateur radio configurations 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;</u><sup>230</sup></p> <p>7. <u>the activity is not located in SASM (except where located in a road corridor);</u><sup>231</sup> <u>and</u></p> <p>8. <u>the activity complies with Earthworks standards EW-S1, EW-S6, and EW-S7.</u><sup>232</sup></p> |   |
| <b>EI-R30</b>    | <b>New communication kiosk</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>the maximum height in relation to infrastructure (excluding any small cell unit or antenna in (3) below) shall be 3.5m;</li> <li>the maximum area (excluding plinths or foundations) shall be 1.5m<sup>2</sup>; <b>and</b></li> <li>any attached small cell unit or antenna shall be less than 1m in height and shall not have a</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-MCD1 - Historic heritage and the natural environment<sup>239</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>240</sup></p> <p>EI-MCD3 - Operational considerations<sup>241</sup></p> |

<sup>229</sup> New Zealand Association of Radio Transmitters, Inc. [157.1].

<sup>230</sup> Transpower [195.84], and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>231</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>232</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>239</sup> Chorus, Spark and Vodafone [62.29]

<sup>240</sup> Chorus, Spark and Vodafone [62.29]

<sup>241</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>horizontal dimension greater than the horizontal dimensions of the communication kiosk;</p> <p>4. <u>if the activity is located within an ONL, ONF, SAL, the communication kiosk 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;"><u>a. 60% for greyness groups A or B;</u></p> <p style="padding-left: 40px;"><u>b. 40% for greyness group C;</u> <sup>236</sup></p> <p>5. <u>the activity is not located in SASM (except where located in a road corridor)</u> <sup>237</sup>; and</p> <p>6. <u>the activity complies with Earthworks standards EW-S1, EW-S6, and EW-S7.</u> <sup>238</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

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| <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>a gas distribution pipeline shall have a maximum gauge pressure of 2,000 kilopascals;</li> <li>the activity shall not be located in the following</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-MCD1 - Historic heritage and the natural environment<sup>245</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>246</sup></p> <p>EI-MCD3 - Operational considerations<sup>247</sup></p> |

<sup>236</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>237</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>238</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>245</sup> Chorus, Spark and Vodafone [62.29]

<sup>246</sup> Chorus, Spark and Vodafone [62.29]

<sup>247</sup> Chorus, Spark and Vodafone [62.29]



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|  | <p>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):</p> <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; and</li> <li>ii. is limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods; and</li> <li>iii. has an entry point either: <ol style="list-style-type: none"> <li>a. located outside of the root protection area; or</li> <li>b. with an area of less than 1m<sup>2</sup>;</li> </ol> </li> </ol> </li> <li>b. <u>SASM<sup>242</sup></u>;</li> <li>c. SNAs;</li> <li>d. <u>places adjoining the coastal marine area the coastal environment<sup>243</sup></u>;</li> <li>e. ONF, ONL and SAL; <u>and</u></li> <li>f. areas of ONC, VHNC and HNC; <u>and</u></li> </ol> <p>3. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-</u></p> | <p>EI-MCD4 - Health and safety<sup>248</sup><br/>EI-MCD7 - Gas distribution<sup>249</sup></p> |
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<sup>242</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>243</sup> Chorus, Spark and Vodafone [62.6].

<sup>248</sup> Chorus, Spark and Vodafone [62.29]

<sup>249</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <u>S5, EW-S6, and EW-S7.</u><br>244  |   |
|                  | <b>Advisory Notes</b> <ul style="list-style-type: none"> <li>• See also EI-R10 Installation of new infrastructure, or upgrading of existing infrastructure, underground.</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-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> | <b>Activity status: PER</b><br>Where:<br>1. if infrastructure is replaced, the replacement shall be of the same or a similar scale and character to that which is replaced.  | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MCD1 - Historic heritage and the natural environment <sup>250</sup><br>EI-MCD2 - Amenity values, locations and design <sup>251</sup><br>EI-MCD3 - Operational considerations <sup>252</sup>  |
|                  | <b>Advisory Notes</b> <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> | <b>Activity status: PER</b><br>Where:<br>1. new above ground tanks shall comply with the built form standards for the relevant zone or overlay; and<br>2. the activity shall not be located in the following areas:<br>a. SASM;<br>b. SNAs;  | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MCD1 - Historic heritage and the natural environment <sup>255</sup><br>EI-MCD2 - Amenity values, location and design <sup>256</sup><br>EI-MCD3 - Operational considerations <sup>257</sup><br>EI-MCD4 - Health and safety <sup>258</sup> |

<sup>244</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>250</sup> Chorus, Spark and Vodafone [62.29]

<sup>251</sup> Chorus, Spark and Vodafone [62.29]

<sup>252</sup> Chorus, Spark and Vodafone [62.29]

<sup>255</sup> Chorus, Spark and Vodafone [62.29]

<sup>256</sup> Chorus, Spark and Vodafone [62.29]

<sup>257</sup> Chorus, Spark and Vodafone [62.29]

<sup>258</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>c. <del>places adjoining the coastal marine area the coastal environment</del><sup>253</sup>;</p> <p>d. ONF, ONL and SAL;</p> <p>e. areas of ONC, VHNC and HNC; <del>and</del></p> <p>f. natural character of scheduled freshwater bodies setbacks; <del>and</del></p> <p>3. <del>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</del><sup>254</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>   |  |
| <b>EI-R35</b>    | <p><del>Transformers, substations, switching stations, and energy storage batteries (not enclosed within a building)</del><sup>259</sup></p>  |  |
|                  | <p><del>This rule does not apply to new permanent emergency or back-up electricity generation provided for in EI-R36.</del></p>   |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li><del>new transformers, substations, switching stations, and energy storage batteries are ancillary to electricity generation;</del></li> <li><del>the activity shall comply with the following when located in the road corridor:</del> <ol style="list-style-type: none"> <li><del>maximum floor area (excluding plinths or foundations): 10m<sup>2</sup>;</del></li> <li><del>maximum height in relation to infrastructure: 3m;</del></li> </ol> </li> <li><del>the activity shall comply with the following when located outside the road corridor:</del></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><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>253</sup> Chorus, Spark and Vodafone [62.6].

<sup>254</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>259</sup> MainPower [249.87]

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|                  | <p><del>a. maximum height in relation to infrastructure: 5.5m;</del></p> <p><del>b. maximum floor area (excluding plinths or foundations): 30m<sup>2</sup>;</del></p> <p><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>4. the activity shall not be located in the following areas (except where located in a road corridor):</del></p> <p><del>a. the root protection area of a notable tree;</del></p> <p><del>b. SASM;</del></p> <p><del>c. SNAs;</del></p> <p><del>d. ONF, ONL and SAL;</del></p> <p><del>e. areas of ONG, VHNG and HNG;</del></p> <p><del>f. natural character of scheduled freshwater bodies setbacks; and</del></p> <p><del>g. places adjoining the coastal marine area.</del></p> |   |
| <b>EI-R36</b>    | <b>New permanent emergency or back-up electricity generation</b>  |   |
|                  | <i>This rule does not apply to temporary portable or transportable electricity generation provided for in EI-R9.</i>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>Where:</p> <p>1. new permanent emergency or back-up electricity generation (including any associated energy storage batteries):</p>   | <p><b>Activity status when compliance not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p><u>EI-MCD1 - Historic heritage, cultural values and the natural environment</u><sup>263</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>264</sup></p> <p>EI-MCD14 - Extent of effects<sup>265</sup></p> |

<sup>263</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>264</sup> Chorus, Spark and Vodafone [62.66].

<sup>265</sup> Chorus, Spark and Vodafone [62.29]

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|                  | <p>a. is not the primary electricity supply to the site; and</p> <p>b. shall comply with the built form standards for the relevant zone or overlay-;</p> <p>2. <u>if the activity is located within an ONL, ONF, SAL, it 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>a. <u>60% for greyness groups A or B;</u></p> <p>b. <u>40% for greyness group C;</u> <sup>260</sup></p> <p>3. <u>the activity is not located in SASM (except where located in a road corridor); and</u> <sup>261</sup></p> <p>4. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u> <sup>262</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

<sup>260</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>261</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>262</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

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| <b>EI-R38</b>    | <b>New self-contained power unit</b>  |   |
| <b>All Zones</b> | <b>Activity status: PER</b><br>Where:<br>1. installation shall not involve alteration to a <u>historic heritage</u> structure <u>listed in HH-SCHED2 with heritage values</u> . <sup>266</sup>  | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MCD1 - Historic heritage and the natural environment <sup>267</sup>  |
| <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> | <b>Activity status: PER</b><br>Where:<br>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;<br>2. infrastructure shall be on site for a maximum of 24 months in any 36 month period;<br>3. the activity shall not involve earthworks (except where located in a road corridor) on SASM;<br>and<br>4. infrastructure shall not be located in the following areas (except where located in a road corridor):<br>a. SNAs;<br>b. ONF, ONL and SAL;<br>and<br>c. areas of ONC, VHNC and HNC. | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MCD1 - Historic heritage and the natural environment <sup>268</sup><br>EI-MCD2 - Amenity values, location and design <sup>269</sup><br>EI-MCD3 - Operational considerations <sup>270</sup> |
| <b>EI-R40</b>    | <b>New solar cell(s) for small scale or community scale renewable electricity generation</b>  |   |
| <b>All Zones</b> | <b>Activity status: PER</b><br>Where:   | <b>Activity status when compliance not achieved: RDIS</b>   |

<sup>266</sup> Chorus, Spark and Vodafone [62.66].

<sup>267</sup> Chorus, Spark and Vodafone [62.29]

<sup>268</sup> Chorus, Spark and Vodafone [62.29]

<sup>269</sup> Chorus, Spark and Vodafone [62.29]

<sup>270</sup> Chorus, Spark and Vodafone [62.29]

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|  | <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 supply to not more than 20 other sites; and</li> <li>c. any surplus of electricity generated may be distributed to the electricity distribution network;</li> </ol> </li> <li>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): <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 (3) above that already breaches the applicable height in relation to boundary requirement, the solar</li> </ol> </li> </ol> | <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MCD1 - Historic heritage and the natural environment<sup>275</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>276</sup></p> <p><u>EI-MCD3 - Operational considerations</u><sup>277</sup></p> <p>EI-MCD5 - Electricity generation<sup>278</sup></p> |
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<sup>275</sup> Chorus, Spark and Vodafone [62.29]

<sup>276</sup> Chorus, Spark and Vodafone [62.29]

<sup>277</sup> Chorus, Spark and Vodafone [62.66].

<sup>278</sup> Chorus, Spark and Vodafone [62.29]

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|           | <p>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>271</sup></p> <p>5. <u>where the activity is located within an ONL, ONF, SAL, the new solar cell 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>a. <u>60% for greyness groups A or B;</u></p> <p>b. <u>40% for greyness group C</u>.<sup>272</sup></p> <p>6. <u>the activity is not located in SASM (except where located in a road corridor or on an existing building)</u>.<sup>273</sup> and</p> <p>7. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7</u>.<sup>274</sup></p> |  |
| EI-R41    | New small scale <b>free standing and roof mounted</b> <sup>279</sup> wind turbine(s) for small scale or community scale renewable electricity generation   |  |
| All Zones | Activity status: PER<br>Where:   | Activity status when compliance not achieved: RDIS |

<sup>271</sup> Chorus, Spark and Vodafone [62.66].

<sup>272</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>273</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>274</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>279</sup> Waimakariri District Council [367.50].



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|  | <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 distribution network;</li> </ol> </li> <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 structure listed in HH-SCHED2 with heritage values</u>,<sup>280</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> </ol> </li> </ol> | <p><b>Matters of discretion are restricted to:</b></p> <p>EI-MCD1 - Historic heritage and the natural environment<sup>285</sup></p> <p>EI-MCD2 - Amenity values, location and design<sup>286</sup></p> <p>EI-MCD3 - Operational considerations<sup>287</sup></p> <p>EI-MCD4 - Health and safety<sup>288</sup></p> <p>EI-MCD5 - Electricity generation<sup>289</sup></p> |
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<sup>280</sup> Waimakariri District Council [367.50].

<sup>285</sup> Chorus, Spark and Vodafone [62.29]

<sup>286</sup> Chorus, Spark and Vodafone [62.29]

<sup>287</sup> Chorus, Spark and Vodafone [62.29]

<sup>288</sup> Chorus, Spark and Vodafone [62.29]

<sup>289</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p>c. <u>SNA's</u><sup>281</sup>;</p> <p>7. <u>for free standing wind turbines</u>.<sup>282</sup></p> <p>a. each wind turbine (including the full extent of blades) shall comply with road and internal boundary building setback requirements for the zone; and</p> <p>b. the maximum permitted height in relation to infrastructure of each wind turbine (including the full extent of 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;</u></p> <p><u>Note: roof mounted wind turbines shall be exempt from height in relation to boundary requirements.</u><sup>283</sup></p> <p>9. <u>the activity complies with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>284</sup></p> |  |
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<sup>281</sup> Department of Conservation [419.47].

<sup>282</sup> Waimakariri District Council [367.50].

<sup>283</sup> Waimakariri District Council [367.50].

<sup>284</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

| EI-R42    | New solar hot water systems   |   |
|-----------|---|---|
| All Zones | <p><b>Activity status: PER</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>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 (as applicable): <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> </li> <li>2. new installations shall not involve alteration to a</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-MCD1 - Historic heritage and the natural environment<sup>291</sup></li> <li>EI-MCD14 - Extent of effects<sup>292</sup></li> </ul> |

<sup>291</sup> Chorus, Spark and Vodafone [62.29]

<sup>292</sup> Chorus, Spark and Vodafone [62.29]

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|                       | <u>historic heritage</u> building listed in HH-SCHED2 with <del>heritage values</del> . <sup>290</sup>  |   |
|                       | <b>Advisory Note</b> <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>   |   |
| <b>EI-R43</b>         | <b>New infrastructure for the generation of renewable energy,<sup>293</sup> including renewable electricity generation,<sup>294</sup> from waste</b>  |   |
|                       | <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>  |   |
| <b>All Zones</b>      | <b>Activity status: RDIS</b><br><b>Matters of discretion are restricted to:</b> <ul style="list-style-type: none"> <li>EI-M<del>C</del>D1 - Historic heritage and the natural environment</li> <li>EI-M<del>C</del>D2 - Amenity values, location and design</li> <li>EI-M<del>C</del>D3 - Operational considerations</li> <li>EI-M<del>C</del>D4 - Health and safety</li> <li>EI-M<del>C</del>D5 - Electricity generation</li> <li>EI-M<del>C</del>D8 - Water supply, wastewater system, and stormwater infrastructure</li> </ul> | <b>Activity status when compliance not achieved: N/A</b>        |
| <b>EI-R44</b>         | <b>New large scale wind turbine(s) for large scale renewable electricity generation</b>   |   |
| <b>All Zones</b>      | <b>Activity status: DIS</b><br><b>Where:</b> <ol style="list-style-type: none"> <li>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.</li> </ol>   | <b>Activity status when compliance not achieved: N/A</b>        |
| <b><u>EI-R44A</u></b> | <b><u>Large scale solar electricity generation</u><sup>295</sup></b>  |   |
| <b>All Zones</b>      | <b><u>Activity status: RDIS</u></b><br><b><u>Where:</u></b> <ol style="list-style-type: none"> <li><u>the activity involves the installation, maintenance,</u></li> </ol>   | <b><u>Activity status when compliance not achieved: N/A</u></b> |

<sup>290</sup> Waimakariri District Council [367.50].

<sup>293</sup> RMA Schedule 1 Clause 16(2).

<sup>294</sup> RMA Schedule 1 Clause 16(2).

<sup>295</sup> Waimakariri District Council [367.15].

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|  | <u>upgrading or removal of solar cell(s) other than for small scale or community scale renewable electricity generation provided for in EI-R40.</u> |  |
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## Activity Rules - Water, wastewater, stormwater

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| <b>EI-R45</b>    | <b>Requirement to connect to water supply, wastewater system or stormwater infrastructure</b> <i><u>This rule does not apply to the Heavy Industrial Zone located between Upper and Lower Sefton Roads</u></i> <sup>296</sup>  |  |
| <b>All Zones</b> | <b>Activity status: PER</b><br>Where:<br>1. any new building, other than an accessory building:<br>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>297</sup> :<br>i. a public drinking water supply;<br>ii. a public wastewater system;<br>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:<br>i. a public drinking water supply;<br>ii. a public wastewater system; | <b>Activity status when compliance not achieved: DIS</b> |

<sup>296</sup> Daiken NZ [145.18].

<sup>297</sup> Daiken NZ [145.18].

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|  | <p>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:</p> <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 maximum of 1km)</del><sup>298.</sup>,</li> </ul> |  |
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<sup>298</sup> Waimakariri District Council [367.24]

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|  | <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, connection shall be to on site water supply and wastewater</p> |  |
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|  | <p>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; <del>and</del></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; <u>and</u></p> <p>3. <u>the activity complies with Earthworks standards EW-S1, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>299</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, and infrastructure.</li> <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> </ul>   |  |

<sup>299</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].



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|                  | <ul style="list-style-type: none"> <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> | <p><b>Activity status: PER</b></p> <p>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; and</li> <li>b. are limited to hand digging, trenchless means or air spade, hydro vac or directional drilling methods; and</li> <li>c. have an entry point either: <ol style="list-style-type: none"> <li>i. located outside of the root protection area; 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 infrastructure adjoining a site, or where works are by trenchless means): <ol style="list-style-type: none"> <li>a. SASM;</li> <li>b. SNAs;</li> <li>c. <del>places adjoining the coastal marine area</del></li> </ol> </li> </ol> | <p><b>Activity status when compliance with EI-R46 (1) to (4) and (6) not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ul style="list-style-type: none"> <li>EI-MCD1 - Historic heritage and the natural environment<sup>305</sup></li> <li>EI-MCD2 - Amenity values, location and design<sup>306</sup></li> <li>EI-MCD3 - Operation considerations<sup>307</sup></li> <li>EI-MCD4 - Health and safety<sup>308</sup></li> <li>EI-MCD8 - Water supply, wastewater system, and stormwater infrastructure<sup>309</sup></li> </ul> <p><b>Activity status when compliance with EI-R46 (5) not achieved: DIS</b></p> |

<sup>305</sup> Chorus, Spark and Vodafone [62.29]

<sup>306</sup> Chorus, Spark and Vodafone [62.29]

<sup>307</sup> Chorus, Spark and Vodafone [62.29]

<sup>308</sup> Chorus, Spark and Vodafone [62.29]

<sup>309</sup> Chorus, Spark and Vodafone [62.29]

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|  | <p><u>the coastal environment</u><sup>300</sup>;</p> <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>SASM;</li> <li>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>SASM;</li> <li>settings with heritage values, and archaeological sites;</li> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC and HNC;</li> <li>natural character of scheduled freshwater bodies setbacks;</li> <li>SNAs;</li> <li><del>places adjoining the coastal marine area</del> <u>the coastal environment</u><sup>301</sup>;</li> <li>Residential Zones, Commercial and Mixed Use Zones, Special Purpose Zones, or Open Space and Recreation Zones;</li> <li><u>within the 'Bird Strike Risk Management Overlay'</u><sup>302</sup>;</li> </ol> <p>6. new water supply storage and treatment facilities are not located in the following areas:</p> <ol style="list-style-type: none"> <li>SASM;</li> <li>ONF, ONL and SAL;</li> <li>areas of ONC, VHNC and HNC;</li> </ol> |  |
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<sup>300</sup> Chorus, Spark and Vodafone [62.6].

<sup>301</sup> Chorus, Spark and Vodafone [62.6].

<sup>302</sup> Christchurch International Airport Ltd [254.148]

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|                  | <p>d. natural character of scheduled freshwater bodies setbacks;</p> <p>e. SNAs;</p> <p>7. <u>the construction of new water supply, wastewater system, or stormwater infrastructure complies with Earthworks standards EW-S1, EW-S2, EW-S5, EW-S6, and EW-S7;</u> and <sup>303</sup></p> <p>8. <u>the renewal or upgrading of existing, water supply, wastewater system, or stormwater infrastructure complies with Earthworks standard EW-S7.</u> <sup>304</sup></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>  |   |
| <b>EI-R47</b>    | <b>New rainwater collection systems for non-potable use</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b></p> <p>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 requirements for the relevant zone;</li> <li>2. <u>the activity is not located in SASM (except where located in a road corridor or</u></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-MCD14 - Extent of effects<sup>312</sup></p> <p><u>EW-MD1 - Activity operation, scale, form and location</u><sup>313</sup></p> |

<sup>303</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>304</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>312</sup> Chorus, Spark and Vodafone [62.29]

<sup>313</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

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|                  | <p><u>on an existing building</u>)<sup>310</sup>.<br/>and<br/>3. <u>the activity shall comply with Earthworks standards EW-S1, EW-S2, EW-S4, EW-S5, EW-S6, and EW-S7.</u><sup>311</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>   |   |
| <b>EI-R48</b>    | <b>Requirement to provide water supply for firefighting</b>  |   |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/>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>314</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><br/><b>Matters of discretion are restricted to:</b><br/>EI-MCD11 - Requirement to provide water supply for firefighting</p> <p><b>Notification</b><br/>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>310</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>311</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>314</sup> MainPower [249.91].

## Activity Rules - Irrigation/stockwater networks

| EI-R49      | Maintenance, repair, and upgrade of existing community scale irrigation/stockwater networks   |  |
|-------------|---|--|
| Rural Zones | <p><b>Activity status: PER</b><br/>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>the activity is not located in SASM (except where located in a road corridor or within the existing footprint of the activity)</u><sup>315</sup>;</li> <li>3. <u>EW-S4 and EW-S7 are met;</u></li> <li>4. <u>the disposal or stockpiling of any dredged material to land complies with EW-S1, EW-R9 (stockpiling), EW-S2; and</u></li> <li>5. <u>the activity is undertaken by the Crown, Regional Council, District Council or their nominated agent.</u> <sup>316</sup></li> </ol> | <p><b>Activity status when compliance not achieved:</b><br/><b><u>N/A RDIS</u></b></p> <p><b><u>Matters of discretion are restricted to:</u></b><br/><b><u>EI-MCD1 - Historic heritage and the natural environment</u></b><sup>317</sup></p> |
|             | <b>Advisory Note</b>  |  |

<sup>315</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>316</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>317</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

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|                    | <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 networks</b>  |  |
| <b>Rural Zones</b> | <b>Activity status: DIS</b><br>Where: <ol style="list-style-type: none"> <li>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.</li> </ol> | <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~~**

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| <b>EI-R51</b>    | <b><del>Activities and development (other than earthworks) within a National Grid Yard</del></b>   |   |
| <b>All Zones</b> | <b><del>Activity status: PER</del></b><br><del>Where:</del> <ol style="list-style-type: none"> <li><del>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> <ol style="list-style-type: none"> <li><del>network utilities (other than for the reticulation and storage of water in canals, dams or</del></li> </ol> </li> </ol> | <b><del>Activity status when compliance not achieved: NC</del></b><br><b><del>Notification</del></b><br><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> |

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|  | <p>reservoirs including for irrigation purposes) undertaken by network <u>utility</u> operators;</p> <p>b. <del>fences no greater than 2.5m in <u>height</u> above <u>ground level</u> and no closer than 6m from the nearest <u>National Grid support structure</u>;</del></p> <p>c. <del>artificial crop protection and support structures between 8m and 12m from a single <u>pole</u> or <u>pi-pole</u> and any associated guy wire (but not a <u>tower</u>) that:</del></p> <p style="padding-left: 40px;"><del>i. meets the requirements of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances for separation distances from the <u>conductor</u>;</del></p> <p style="padding-left: 40px;"><del>ii. is a maximum of 2.5m in <u>height</u> above <u>ground level</u>;</del></p> <p style="padding-left: 40px;"><del>iii. <u>is</u> removable or temporary, to allow clear working space 12m from the <u>pole</u> when necessary for maintenance and <u>emergency</u> repair purposes;</del></p> <p style="padding-left: 40px;"><del>iv. <u>allows</u> all weather access to the <u>pole</u> and a sufficient area for maintenance</del></p> |  |
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|  | <p>equipment, including a crane;</p> <p>d. <del>any new non-habitable building less than 2.5m in height above ground level and 10m<sup>2</sup> in floor area;</del></p> <p>e. <del>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;</del></p> <p>f. <del>mobile irrigation equipment used for agricultural and horticultural activities;</del></p> <p>g. <del>other than reticulation and storage of water in dams or reservoirs in (a) above, reticulation and storage of water for irrigation purposes provided that it does not permanently physically obstruct vehicular access to a National Grid support structure;</del></p> <p>h. <del>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;</del> and</p> <p>i. <del>a building or structure where Transpower NZ Ltd has given written approval in accordance</del></p> |  |
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|                  | with clause 2.4.1 of the NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.   |   |
| <b>All Zones</b> | <p><b>Activity status: NC</b></p> <p>Where:</p> <ol style="list-style-type: none"> <li>1. activities and development within a National Grid Yard involve the following: <ol style="list-style-type: none"> <li>a. any activity and development that permanently physically impedes vehicular access to a National Grid support structure;</li> <li>b. any new building for a sensitive activity;</li> <li>c. any change of use to a sensitive activity or the establishment of a new sensitive activity;</li> <li>d. dairy/milking sheds or buildings for intensive farming or wintering barns; and</li> <li>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.</li> </ol> </li> </ol> <p><b>Notification</b></p> <p>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> | <p><b>Activity status when compliance not achieved: N/A</b></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>   |   |
| <b>EI-R52</b>    | <b><u>Earthworks (other than quarry or landfill) within a National Grid Yard</u></b>  |   |

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| <p><b>All Zones</b></p> | <p><b>Activity status: PER</b></p> <p><b>Where:</b></p> <ol style="list-style-type: none"> <li>1. <del>around <u>National Grid</u> support towers:</del> <ol style="list-style-type: none"> <li>a. <del>depth shall be no deeper than 300mm within 6m of a foundation of a <u>National Grid</u> support structure;</del></li> <li>b. <del>depth shall be no deeper than 3m:</del> <ol style="list-style-type: none"> <li>i. <del>between 6m and 12m from the foundation of a 220kV or a 350kV <u>National Grid</u> support structure;</del></li> <li>or</li> <li>ii. <del>between 6m and 10m from the foundation of a 66kV <u>National Grid</u> support structure;</del></li> </ol> </li> </ol> </li> <li>2. <del>earthworks shall not compromise the stability of a <u>National Grid</u> support structure;</del></li> <li>3. <del>earthworks shall not result in a reduction in the ground to <u>conductor</u> clearance distances below what is required by Table 4 of NZECP 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances; and</del></li> <li>4. <del>earthworks shall not result in vehicular access</del></li> </ol> | <p><b>Activity status when compliance with EI-R52 (1) not achieved: RDIS</b></p> <p><b>Matters of discretion are restricted to:</b></p> <p><del>EI-MD12—National Grid</del></p> <p><b>Activity status when compliance with EI-R52 (2) to (5) not achieved: NC</b></p> <p><b>Notification</b></p> <p><del>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.</del></p> |
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|                  | <del>to a National Grid support structure being permanently obstructed.</del>   |  |
| <b>EI-R53</b>    | <b>Any quarry or landfill on the same site as a National Grid support structure</b> <sup>318, 319</sup>   |  |
| <b>All Zones</b> | <b>Activity status: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MD12—National Grid<br><b>Notification</b><br>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. | <b>Activity status when compliance not achieved: N/A</b> |
|                  | <b>Advisory Note</b><br>• National Grid transmission lines are shown on the planning map.   |  |

**Activity Rules - Managing the effects of Network utilities activities and development on major electricity distribution lines**<sup>320</sup>

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| <b>EI-R54</b>    | <b>Earthworks adjacent to a 66kV or 33kV electricity distribution line</b>   |   |
| <b>All Zones</b> | <b>Activity Status: PER</b><br><b>Where:</b> <ol style="list-style-type: none"> <li>1. 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;</li> <li>2. earthworks shall not destabilise a 66kV or 33kV electricity distribution line pole, or tower; and</li> <li>3. earthworks shall not result in a reduction in the ground to conductor clearance distances below what is required by Table 4 in</li> </ol> | <b>Activity status when compliance not achieved: RDIS</b><br><b>Matters of discretion are restricted to:</b><br>EI-MD13—Major electricity distribution lines<br><b>Notification</b><br>An application for a restricted 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. |

<sup>318</sup> Transpower [195.44].

<sup>319</sup> Federated Farmers [414.83].

<sup>320</sup> Consequential amendment from MainPower [249.92].

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|                  | <p><del>NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances, unless the requirements of Clause 2.2.3 of NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances are met;</del></p>  |  |
|                  | <p><b>Exemptions</b><br/> This rule does not apply to:</p> <ul style="list-style-type: none"> <li><del>• earthworks undertaken as part of agricultural or domestic cultivation; or repair, sealing or resealing of a road, footpath, driveway or vehicle access track;</del></li> <li><del>• earthworks that are undertaken by a network utility operator (other than for the reticulation and storage of water in canals, dams or reservoirs including for irrigation purposes);</del></li> <li><del>• earthworks for which a dispensation has been granted by the relevant electricity distribution line operator under the NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances;</del></li> <li><del>• vertical holes not exceeding 500mm in diameter provided they: <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></li> </ul> </del></li> </ul> |  |
|                  | <p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li><del>• 66kV/33kV electricity distribution lines are shown on the planning map.</del></li> <li><del>• 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.</del></li> <li><del>• The NZEC 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 NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</del></li> </ul>   |  |
| <b>EI-R55</b>    | <p><b>Network utilities within <del>10m</del> <sup>321</sup> 6m of the centre line of a <del>66kV or 33kV</del> <sup>322</sup> major electricity distribution line</b></p>  |  |
| <b>All Zones</b> | <p><b>Activity status: PER</b><br/> Where:</p> <ol style="list-style-type: none"> <li>the network utility complies with the NZEC 34:2001 New Zealand Electricity Code of Practice for Electricity Safe Distances.</li> <li><u>the activity is not located in SASM (except where</u></li> </ol>  | <p><b>Activity status when compliance not achieved: NC</b></p> <p><b><u>Notification</u></b><br/> <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>324</sup></p> |

<sup>321</sup> MainPower [249.93].

<sup>322</sup> MainPower [249.93].

<sup>324</sup> Chorus, Spark and Vodafone [62.35].

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|                  | located in a road corridor)) <sup>323</sup> .  |   |
|                  | <b>Advisory Note</b> <ul style="list-style-type: none"> <li>66kV/33kV Major<sup>325</sup> electricity distribution lines are shown on the planning map.</li> </ul>   |   |
| <b>EI-R56</b>    | <b>Activities and development (other than earthworks or network utilities) adjacent to a 66kV or 33kV electricity distribution line</b>  |   |
| <b>All Zones</b> | <b>Activity status: NC</b><br>-<br>Where:<br>1. activities and development adjacent to a 66kV or 33kV electricity distribution line involve the following:<br>a. new sensitive activity and new buildings (excluding accessory buildings) within 10m of the centreline of a 66kV or 33kV electricity distribution line or within 10m of the visible outer edge of a foundation of an associated pole or tower; and<br>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<br>-<br><b>Notification</b><br>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 | <b>Activity status when compliance not achieved:</b><br>N/A |

<sup>323</sup> Chorus, Spark and Vodafone [62.6], Transpower [195.23, 195.68] and MainPower [249.1, 249.24, 249.47, 249.48]

<sup>325</sup> MainPower [249.93].

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|  | authority considers this is required, absent its written approval. |  |
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|  | <p><b>Advisory Notes</b></p> <ul style="list-style-type: none"> <li>66kV/33kV 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 Control and<sup>326</sup> Discretion

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| <b>EI-MCD1</b> <sup>327</sup> | <p><b>Historic heritage, cultural values and the natural environment</b></p> <ol style="list-style-type: none"> <li>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>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>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>The extent of any social, economic, environmental and cultural benefits.</li> <li>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>Outcomes of any consultation undertaken with Te Ngāi Tūāhuriri Rūnanga and Heritage NZ Pouhere Taonga.</li> <li>Likely effectiveness of the mitigation proposed, including any cultural or archaeological monitoring.</li> <li>Any relevant matter set out in NFL-MD1, <u>HH-MD1, TREE-MD1, SASM-MD1, SASM-MD2, SASM-MD3, ECO-MD1, NATC-MD4, CE-MD1, and EW-MD1 - EW-MD8.</u><sup>328</sup></li> </ol> |
| <b>EI-MCD2</b> <sup>329</sup> | <p><b>Amenity values, location and design</b></p> <ol style="list-style-type: none"> <li>The practicality and effectiveness of screening the infrastructure, <u>where necessary.</u><sup>330</sup></li> </ol>  |

<sup>326</sup> Chorus, Spark and Vodafone [62.29]

<sup>327</sup> Chorus, Spark and Vodafone [62.29]

<sup>328</sup> Transpower [195.84] and Chorus, Spark and Vodafone [62.50 and 62.51].

<sup>329</sup> Chorus, Spark and Vodafone [62.29]

<sup>330</sup> Transpower [195.46].

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|                              | <ol style="list-style-type: none"> <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>  |
| <b>EI-MCD3<sup>331</sup></b> | <b>Operational considerations</b> <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>   |
| <b>EI-MCD4<sup>332</sup></b> | <b>Health and safety</b> <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>   |
| <b>EI-MCD5<sup>333</sup></b> | <b>Electricity generation</b> <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>331</sup> Chorus, Spark and Vodafone [62.29]

<sup>332</sup> Chorus, Spark and Vodafone [62.29]

<sup>333</sup> Chorus, Spark and Vodafone [62.29]

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|                              | <p>11. Extent and visibility of roads, access tracks, earthworks and vegetation clearance associated with the construction, operation or maintenance of the infrastructure.</p> <p>12. For solar cells, as well as the above matters:</p> <ol style="list-style-type: none"> <li>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>the number of sites affected and their relative proximity; and</li> <li>whether there is a hazard from any glare.</li> </ol> <p>13. The necessity for electricity generation other than renewable electricity generation in the District's electricity supply network, including for resilience.</p>   |
| <b>EI-MCD6<sup>334</sup></b> | <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>335</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>336</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>337</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>338</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>339</sup></p> |
| <b>EI-MCD7<sup>340</sup></b> | <p><b>Gas distribution pipeline and fuel systems</b></p> <ol style="list-style-type: none"> <li>Effects on access to and the operation, maintenance, upgrade, development and structural integrity of gas distribution pipeline and fuel systems.</li> <li>Technical advice provided by infrastructure operators.</li> <li>Hazards affecting public safety and risk of property damage.</li> </ol>   |
| <b>EI-MCD8<sup>341</sup></b> | <p><b>Water supply, wastewater system, and stormwater infrastructure</b></p> <ol style="list-style-type: none"> <li>The requirements of the ECOP, and any other relevant regulations.</li> <li>The extent to which the proposed servicing will adequately serve its intended purpose.</li> <li>The extent to which existing infrastructure is available to connect to.</li> <li>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>The extent of any actual or potential adverse effects on the capacity, efficiency and function of existing infrastructure.</li> <li>The provision for, and protection of, the flood storage and conveyance capacity of waterways.</li> </ol>  |

<sup>334</sup> Chorus, Spark and Vodafone [62.29]

<sup>335</sup> Transpower [195.49].

<sup>336</sup> Transpower [195.49].

<sup>337</sup> Transpower [195.49].

<sup>338</sup> Transpower [195.49].

<sup>339</sup> Transpower [195.50].

<sup>340</sup> Chorus, Spark and Vodafone [62.29]

<sup>341</sup> Chorus, Spark and Vodafone [62.29]



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|                               | <ol style="list-style-type: none"> <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 recreation land is or can be minimised where infrastructure is located or proposed to be located in Open Space and and Recreation Zones.</li> <li>9. The extent to which safe and direct access can be provided to enable the maintenance of infrastructure.</li> <li>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.</li> <li>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.</li> </ol>  |
| <b>EI-MCD9<sup>342</sup></b>  | <p><b>Construction of new, or widening or extension of existing, vehicle access tracks ancillary to infrastructure</b></p> <ol style="list-style-type: none"> <li>1. The ability to integrate with the landscape, follow natural contours, and mitigate adverse effects.</li> <li>2. The extent of <u>non-compliance</u><sup>343</sup> with <u>Earthworks standards EW-S1 to EW-S7</u>.<sup>345</sup></li> <li>3. Relevant assessment matters in the Earthworks Chapter <u>and, where resource consent is required by Rules EI-R2 and EI-R23</u><sup>346</sup>, for the <sup>347</sup>overlay.</li> <li>4. <u>The benefits of the related infrastructure</u>.<sup>348</sup></li> </ol>  |
| <b>EI-MCD10<sup>349</sup></b> | <p><b>Relocation of existing infrastructure</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. The extent to which relocation over a greater distance is necessary for safety, access, operational need or functional need reasons.</li> <li>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: <ol style="list-style-type: none"> <li>a. the root protection area of a notable tree;</li> <li>b. places with heritage values;</li> <li>c. Wāhi Tapu sites; and</li> <li>d. SNAs.</li> </ol> </li> <li>4. <u>The benefits of the infrastructure</u>.<sup>350</sup></li> </ol> |
| <b>EI-MCD11<sup>351</sup></b> | <p><b>Requirement to provide water supply for firefighting</b></p> <ol style="list-style-type: none"> <li>1. The extent to which sufficient firefighting water supply is available to ensure the health and safety of the community, including neighbouring sites.</li> <li>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.</li> </ol>   |

<sup>342</sup> Chorus, Spark and Vodafone [62.29]

<sup>343</sup> Transpower [195.50].

<sup>344</sup> Transpower [195.50].

<sup>345</sup> Transpower [195.50].

<sup>346</sup> Transpower [195.50].

<sup>347</sup> Transpower [195.50].

<sup>348</sup> Transpower [195.50].

<sup>349</sup> Chorus, Spark and Vodafone [62.29]

<sup>350</sup> Transpower [195.51].

<sup>351</sup> Chorus, Spark and Vodafone [62.29]

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| <b>EI-MCD12</b> <sup>352</sup>  | <b>National Grid</b> <ol style="list-style-type: none"> <li>1. The extent of any impacts on the operation, maintenance, upgrading and development of the National Grid.</li> <li>2. The risk to the structural integrity of any affected National Grid support structure(s).</li> <li>3. The extent of any impact on the ability of the National Grid owner (Transpower NZ Ltd) to access the National Grid.</li> <li>4. The risk of electrical hazards affecting public or individual safety, and the risk of property damage.</li> </ol>  |
| <b>EI-MD13</b>                  | <b>Major electricity distribution lines</b> <sup>353</sup> <ol style="list-style-type: none"> <li><del>1. The extent of any impacts on the operation, maintenance, upgrading and development of the electricity distribution network.</del></li> <li><del>2. The risk to the structural integrity of any affected electricity distribution line support structure(s).</del></li> <li><del>3. The extent of any impact on the ability of the relevant electricity distribution network operator to access the electricity distribution network.</del></li> <li><del>4. The risk of electrical hazards affecting public or individual safety, and the risk of property damage.</del></li> </ol> |
| <b>EI-MCD134</b> <sup>354</sup> | <b>Extent of effects</b> <ol style="list-style-type: none"> <li>1. The extent of <u>non</u>-compliance<sup>355</sup> with the relevant standard(s), and the extent of any effects of non-compliance with the relevant standard(s) including cumulative effects.</li> <li><u>2. The benefits of the infrastructure.</u><sup>356</sup></li> </ol>   |
| <b>EI-MCD14</b>                 | <b><u>Bird Strike Risk Management</u></b> <p><u>The extent to which the activity has a bird strike risk management plan prepared by a suitably qualified and experienced ecologist with experience in bird strike issues to demonstrate the activity will be designed, operated and managed to minimise the attraction of bird species (such as black-backed gulls) that may pose a bird strike risk to aircraft.</u><sup>357</sup></p>   |

## Related Planning Map Amendments

Delete 'National Grid Yard' mapping layer (but retain National Grid lines)

Delete 'Major Electricity Lines setback corridor' mapping layer (but retain Major Electricity Distribution Lines)

## Related Definition Amendments

<sup>352</sup> Chorus, Spark and Vodafone [62.29]

<sup>353</sup> MainPower [249.103].

<sup>354</sup> Chorus, Spark and Vodafone [62.29]

<sup>355</sup> Transpower [195.53].

<sup>356</sup> Transpower [195.53].

<sup>357</sup> Christchurch International Airport Ltd [254.148]

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| AMATEUR RADIO CONFIGURATIONS                          | means the antennas, aerials, and associated <u>support structures</u> <sup>358</sup> <u>including</u> poles which are owned and <u>used</u> <u>operated</u> <sup>359</sup> by licensed amateur radio operators.   |
| ANCILLARY INFRASTRUCTURE EQUIPMENT                    | means equipment that must be installed with the main components of infrastructure to enable its operation, including (but not limited to): <u>telemetry equipment</u> <sup>360</sup> , valves, fittings, meters, pipework, power distribution units, microwave units, DC and surge arrestors, cable trays, cables, mounts, fibre access terminals, ducting, cable loops, combiner/junction boxes, remote radio units, pole- or tower-mounted amplifiers, lightning surge units, filters, or similar types of equipment required to support its operation, but excluding antennas, self-contained power units or generators. |
| <u>ELECTRICITY CABINETS AND KIOSKS</u> <sup>361</sup> | <u>in relation to electricity distribution, means equipment affixed to, or within, the ground that is necessary to operate part of a utility or infrastructure network, including any casing.</u>   |
| ELECTRICITY DISTRIBUTION LINE                         | means the lines and associated poles, pi-poles and towers <u>that are not part of the National Grid and are</u> <sup>362</sup> utilised by a network utility operator to distribute electricity.  |
| EMERGENCY SERVICE                                     | means an authority or service that is responsible for the safety and welfare of people and property in the community during times of emergency that include, but are not necessarily limited to, <u>fire-service</u> <sup>363</sup> <u>Fire and Emergency New Zealand</u> <sup>364</sup> , ambulance, police, <u>New Zealand Defence Force</u> <sup>365</sup> and emergency co-ordination authorities or services.  |
| INFRASTRUCTURE  | has the same meaning as in section 2 of the RMA and also <u>means</u> <u>includes</u> <u>defence facilities</u> <sup>366</sup> .  |
| INFRASTRUCTURE BUILDING                               | means a building that serves the same purpose as an infrastructure cabinet but is of a larger scale and is not a habitable building, <u>or an electricity cabinet or kiosk</u> <sup>367</sup> .   |
| INFRASTRUCTURE CABINET                                | means a casing around equipment that is necessary to operate part of infrastructure but is not an infrastructure building, <u>or an electricity cabinet or kiosk</u> <sup>368</sup> .   |
| <u>MAJOR ELECTRICITY DISTRIBUTION LINES</u>           | <u>means an overhead electricity distribution line as shown on the planning maps that is built to operate at a voltage of 33kV or greater.</u>  |

<sup>358</sup> NZ Association of Amateur Radio Transmitters, Inc. [157.1]

<sup>359</sup> NZ Association of Amateur Radio Transmitters, Inc. [157.1]

<sup>360</sup> MainPower [249.7]

<sup>361</sup> MainPower [249.9]

<sup>362</sup> Transpower [195.5]

<sup>363</sup> Fire and Emergency NZ [303.1]

<sup>364</sup> Fire and Emergency NZ [303.3]

<sup>365</sup> NZ Defence Force [166.1]

<sup>366</sup> NZ Defence Force [166.1]

<sup>367</sup> MainPower [249.14]

<sup>368</sup> MainPower [249.15]

NATIONAL GRID  
SUBDIVISION  
CORRIDOR<sup>369</sup>

means:

- the area 32m either side of the centreline of an above ground 66kV transmission line on towers (including tubular steel towers where these replace steel lattice towers);
- the area 37m either side of the centreline of an above ground 220kV transmission line;
- the area 39m either side of the centreline of an above ground 350kV transmission line.

|                    |  |
|--------------------|--|
| NATIONAL GRID YARD | <p>means:</p> <ol style="list-style-type: none"> <li>1. the area located 12m in any direction from the outer <u>visible</u><sup>370</sup> edge of a <u>foundation of a</u><sup>371</sup> <del>220kV or a 350kV</del><sup>372</sup> National Grid <del>transmission line</del><sup>373</sup> support structure; <del>or</del></li> <li>2. <del>the area located 10m in any direction from the outer edge of a 66kV National Grid transmission line support structure; and</del><sup>374</sup></li> <li>3. the area located 10m either side of the centreline of an overhead 66kV National Grid transmission line; <del>on towers (including tubular steel towers where these replace lattice steel towers); or</del><sup>375</sup></li> <li>4. the area located 12m either side of the centreline of any overhead 220kV or 350kV National Grid transmission line <del>on towers (including tubular steel towers where these replace lattice steel towers);</del><sup>376</sup></li> </ol> |
|--------------------|--|

|   |   |
|---|---|
| REGIONALLY<br>SIGNIFICANT<br>INFRASTRUCTURE | <p>means:</p> <ol style="list-style-type: none"> <li>1. strategic land transport network and arterial roads;</li> <li>2. <del>Timaru Airport</del><sup>377</sup></li> <li>3. <del>Port of Timaru</del><sup>378</sup></li> <li>4. <del>commercial maritime facilities at Kaikoura;</del><sup>379</sup></li> <li>5. telecommunication and radiocommunication facilities;</li> <li>6. national, regional and local renewable electricity generation activities of any scale;</li> <li>7. the electricity transmission and distribution network;</li> <li>8. sewage collection, treatment and disposal networks;</li> <li>9. community land drainage infrastructure;</li> <li>10. community potable water systems;</li> <li>11. established community-scale irrigation and stockwater infrastructure;</li> <li>12. transport hubs;</li> <li>13. bulk fuel supply infrastructure including terminals, wharf lines and pipelines; and</li> <li>14. strategic infrastructure.</li> </ol> |
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<sup>369</sup> Transpower [195.18]

<sup>370</sup> Transpower [195.9].

<sup>371</sup> Transpower [195.9].

<sup>372</sup> Transpower [195.9].

<sup>373</sup> Transpower [195.9].

<sup>374</sup> Transpower [195.9].

<sup>375</sup> Transpower [195.9].

<sup>376</sup> Transpower [195.9].

<sup>377</sup> Department of Conservation [419.22].

<sup>378</sup> Department of Conservation [419.22].

<sup>379</sup> Department of Conservation [419.22].