

IN THE MATTER of
the Resource Management Act 1991

AND

IN THE MATTER of

Hearing of submissions and further submissions on
the Proposed Te Tai o Poutini Plan

JOINT STATEMENT OF PLANNING EXPERTS FOR THE ENERGY, INFRASTRUCTURE AND TRANSPORT TOPIC

26 January 2024

Introduction

1. This joint witness statement relates to expert conferencing on the topic of Energy, Infrastructure and Transport.
2. The expert conferencing was held on 19 December 2023 and 18 January 2024, via a video-conference.
3. Attendees at the conference on 19 December 2023 were:
 - (a) Melissa McGrath, s42A reporting officer for Energy, Infrastructure and Transport;
 - (b) Grace Forno, s42A reporting officer for Energy, Infrastructure and Transport;
 - (c) Chris Horne, for Telecommunications companies;
 - (d) Mark Lile, for Buller Electricity;
 - (e) Pauline Whitney, for Transpower New Zealand Limited;
 - (f) Martin Kennedy, for Westpower;
 - (g) Stephanie Styles, for Manawa Energy;
 - (h) Kate McKenzie, for Birchfield Coal and Westland Mining Sands Company;¹
 - (i) Claire Hunter, for BT Mining Ltd;
 - (j) Stuart Pearson, for Waka Kotahi New Zealand Transport Agency;
 - (k) Lillie Sadler, for West Coast Regional Council (as a submitter); and
 - (l) Rachael Pull, for Poutini Ngāi Tahu.
4. At the beginning of conferencing on 19 December 2023, Ms Pull was given leave to not stay for the proceeding as she was unwell. Ms Pull did not participate in any of the conferencing that day. Ms Pull circulated notes to the attendees setting out her initial opinions on the provisions to be discussed.
5. At the conference on 19 December 2023, it was identified that there were a number of matters raised by Martin Kennedy for Westpower that were still outstanding. Mr Kennedy was instructed by the facilitator to provide a tracked change version of the amendments sought by 15 January 2024. Mr Kennedy supplied this document on 12 January 2024, and it was provided to all participants in the

¹ Kate McKenzie is no longer representing Birchfield Coal and Westland Mining Sands Company and did not review the final version of this Joint Witness Statement.

conferencing. This document is also available on the TTPP website, as the hearing panel had requested this information from Mr Kennedy at the Energy, Infrastructure and Transport hearing on 28 November 2023. Further commentary of the provisions by Mr Kennedy and a map of the Westpower network is provided in these documents dated 12 January 2024.

6. Attendees at the conference on 18 January 2024 were:
- (a) Melissa McGrath, s42A reporting officer for Energy, Infrastructure and Transport
 - (b) Grace Forno, s42A reporting officer for Energy, Infrastructure and Transport;
 - (c) Mark Lile, for Buller Electricity;
 - (d) Pauline Whitney, for Transpower New Zealand Limited;
 - (e) Martin Kennedy, for Westpower;
 - (f) Stephanie Styles, for Manawa Energy;
 - (g) Stuart Pearson, for Waka Kotahi New Zealand Transport Agency;
 - (h) Lillie Sadler, for West Coast Regional Council (as a submitter); and
 - (i) Rachael Pull, for Poutini Ngāi Tahu.

Expert Witness Code of Conduct

7. This joint statement is prepared in accordance with Section 9.5 of the Code of Conduct for Expert Witnesses in the Environment Court Practice Note 2023.
8. We confirm that we have read the Code of Conduct for Expert Witnesses in the Environment Court Practice Note 2023, and agree to abide by it and in particular those matters under Section 9.4.

Purpose and scope of conferencing

9. The purpose of conferencing was to identify, discuss, and highlight points of agreement and disagreement on outstanding matters arising from the Energy, Infrastructure and Transport hearing, including those matters identified by the Hearing Commissioners, set out in Minute 12.
10. **Annexure A** records the agreed issues, areas of disagreement and the reasons, along with any reservations or comments.
11. It was agreed that separate discussions with Melissa McGrath would happen on individual issues that did not relate to the wider group, and that would be reported on separately by Ms McGrath.

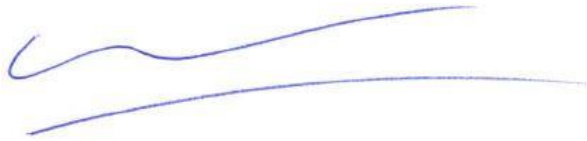
Date: 26 January 2024



Melissa McGrath, s42A report writer

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Grace Forno, s42A report writer



Chris Horne, for Telecommunications companies



Mark Lile, for Buller Electricity



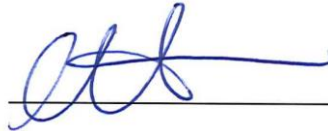
Pauline Whitney, for Transpower New Zealand Limited



Martin Kennedy, for Westpower



Stephanie Styles, for Manawa Energy



Claire Hunter, for BT Mining Ltd



Stuart Pearson, for Waka Kotahi New Zealand Transport Agency



Lillie Sadler, for West Coast Regional Council (as a submitter)



Rachael Pull, for Poutini Ngāi Tahu

ANNEXURE A – EXPERT CONFERENCING ON MATTERS ARISING FROM THE ENERGY, INFRASTRUCTURE AND TRANSPORT HEARING

19 DECEMBER 2023

Participants: Melissa McGrath (MM), Grace Forno (GF), Chris Horne (CHo), Mark Lile (ML), Pauline Whitney (PW), Martin Kennedy (MK), Stephanie Styles (SS), Kate McKenzie (KM), Claire Hunter (CHu), Stuart Pearson (SP), Lillie Sadler (LS)

ISSUE	SUB-ITEM	AGREED POSITION	DISCUSSION
<p>The definitions of Critical Infrastructure/Regionally Significant Infrastructure and Infrastructure and what those definitions include and how they are used. We note that this has broader implications across the whole Plan.</p> <p><i>(Refer also to further discussion about these definitions below from 18 January 2024, as RP also has an interest in this issue)</i></p>		<p><u>MM, GF, PW, LS, MK, SS, ML, KM & SP</u> – The definition of critical infrastructure should change to Regionally Significant Infrastructure.</p> <p><u>KM & MM</u> – The definition should include special purpose roads also. No other parties at this conferencing session have an interest in this aspect.</p> <p><u>CHo</u> – With regard to telecommunication facilities vs network, include ‘telecommunication networks and facilities’ to cover the issue of fibre. <u>MM</u> does not oppose. No other parties have an interest in this aspect.</p> <p><u>CHu</u> does not have scope to consider this issue.</p>	<p>Defence facilities was not discussed as part of this caucusing but experts note that its inclusion has been sought by the Defence Force submission.</p> <p>Implications of including or excluding other activities will need to be considered for further topics.</p>
<p>The proposal by the Telecommunication Companies for a ‘carve out’ from the proposed non-renewable energy</p>		<p><u>CHo, MM & MK</u> – ENG-RX9 agree to include a carve out for back-up generators.</p>	<p><u>KM & CHu</u> – There is concern that non-complying activity status of the rule may capture off grid generation activities.</p> <p><u>SS & ML</u> have no interest in back-up generator, but do have an interest in</p>

provisions for generators providing backup power.			non-complying activity status of ENG - RX9. PW, LS & SP do not have an interest in this matter.
The changes to vehicle movements associated with integrated transport assessments proposed by Waka Kotahi.			SP seeks equivalent vehicle movements (ECM) and notes that it would be best placed for a traffic engineer to determine the trigger thresholds. CHu seeks consistency of vehicle movements, wants to be equivalent of 50 heavy vehicle movements, permitted under MINZ and BCZ. Have this reflected in the transport chapter.

18 JANUARY 2024

Participants: Melissa McGrath (MM), Grace Forno (GF), Mark Lile (ML), Pauline Whitney (PW), Martin Kennedy (MK), Stephanie Styles (SS), Stuart Pearson (SP), Lillie Sadler (LS), Rachael Pull (RP)

ISSUE	SUB-ITEM	AGREED POSITION	DISCUSSION
The definitions of Critical Infrastructure/Regionally Significant Infrastructure and Infrastructure and what those definitions include and how they are used. We note that this has broader implications across the whole Plan.	This matter was discussed in relation to Poutini Ngāi Tahu's concerns. RP asked if RSI could be limited to statutory agencies as they are worried about private agencies that run ports and landfills etc having very enabling provisions and may not have the oversight required. The suggestion of including a narrower term, similar to 'Regional Council stopbanks', was raised.	RP added to the agreed position above (dated 19 December 2023), specifically that the definition of critical infrastructure should change to Regionally Significant Infrastructure and that the definition should include special purpose roads also. Her agreement is subject to	RP agreed that implications of including or excluding other activities will need to be considered for further topics/chapters. RP asked about special purpose roads as it was raised in the submission. MM responded that special purpose roads

		<p>the comments in the discussion.</p>	<p>are a set list created from a previous funding requirement of NZTA.</p> <p>RP – If changing to a RSI definition, then there should be consideration of limiting the RSI for 3 water infrastructure and waste storage and disposal to Council managed facilities to ensure that long term effects on the community are managed. Private facilities are still managed as ‘infrastructure’ but not RSI, the same as stopbanks.</p> <p>SS & LS raised concerns about limiting the definition to statutory agencies or requiring authorities (Manawa Energy is not a requiring authority).</p> <p>LS – It is tricky to limit just to non-private facilities, especially in an emergency situation where you need to get rid of waste.</p> <p>RP noted that with an exclusion it would still fit under the normal infrastructure provisions but just not the most enabling RSI provisions.</p> <p>Regarding the issue of the definitions in the RPS, RP noted that the plan just has to be consistent with the RPS, not necessarily the same as the RPS.</p>
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<p>The proposal by Poutini Ngāi Tahu to introduce a matter of discretion relating to significant cultural values.</p>	<p>Poutini Ngāi Tahu values as a matter of discretion. Original wording from submission has been revised. RP noted that this now only relates to a few of the rules: ENG-R11 and R14, INF-R16 and TRN-R9 and R10. The following wording for the matter of discretion now sought is:</p> <p><i>The management of impacts on Poutini Ngāi Tahu values as set out in the tangata whenua chapter.</i></p>		<p>MM supports rule certainty and some refinement of the rules. MM needs to go back through the rules and consider the matter further and will address this in a response prior to the hearing being reconvened.</p> <p>SS thinks that its helpful to refine the term (Poutini Ngāi Tahu values) and provide further clarification by referring to the tangata whenua chapter.</p> <p>After comment from MM wanting certainly, RP suggested the inclusion of an advice note: A cultural impact assessment may be required.</p>
	<p>RP: Landscape measures and amenity values – does this include cultural landscape? Used in ENG and INF rules. The question of what this covered was addressed in SS evidence also.</p>	<p>MM agrees that there could be refinement and this will address this in a response prior to the hearing being reconvened.</p>	
<p>The various proposals by Westpower to amend the Energy provisions to make them more enabling for line distribution companies.</p> <p>Note that black tracked changes are from the s42A report, purple changes are from the s42A addendum report, blue changes are suggestions of MK, green wording is new wording agreed by all experts</p>	<p>New paragraph in the overview of the Energy Chapter</p> <p>Overview <u>Energy activities, including rRenewable</u> electricity generation, transmission, distribution and operation are recognised as regionally significant infrastructure in the West Coast Regional Policy Statement. As such they require specific recognition <u>and protection</u>, as they are critical to the social, cultural and economic wellbeing of people and communities.</p> <p><u>It is also recognised that Energy Activities, including Critical Infrastructure, do already exist, and given the topography of the West Coast may in the future require location, within the full range of natural and built environments of the region.</u></p>	<p>MM could agree to add a sentence about importance of existing activities. MM to provide refined wording in a response prior to the hearing being reconvened.</p>	<p>MK - provides some context for the West Coast, highlighted by the various overlays and general district wide matters, and the link between energy and the community. Presumably “critical infrastructure” would become “RSI”</p> <p>MM – too much detail and repetition of the previous paragraph.</p>

	<p><u>The establishment and provision of Energy Activities, including renewable generation, provides for the maintenance and enhancement of the communities cultural, economic and social wellbeing, including health and safety, and assists with developing resilient communities on the West Coast.</u></p>		
	<p>“Financial Contributions” chapter is broader than this. Should this not be amended to assist plan users in that regard?</p>	<p>RP & MM agree and the wording should be:</p> <p>Other relevant Te Tai o Poutini Plan provisions</p> <p>Financial Contributions - The Financial Contributions chapter sets out the requirements for contributions of costs for activities which impact on infrastructure.</p>	
	<p>ENG-O3</p> <p>To provide for <u>and enable</u> the development, operation, maintenance and upgrade of <u>renewable electricity generation, energy investigation, distribution and transmission energy</u> activities and to protect them from the adverse effects of incompatible subdivision, <u>use</u> and development.</p>		<p>SS, PW, MM & ML – ‘provide’ reflects NPS-ET (Policy 2) and NPS-REG. Infrastructure does not have the guidance of the NPS so do not need to align with the Infrastructure chapter.</p> <p>SS, PW, MM & ML prefer the following wording:</p> <p><i>To provide for development, and enable the operation, maintenance ...</i></p> <p>MK prefers only ‘enable’ as the objective for RSI is enable and this gives effect to RPS Chapter 6-O1 and consistent with INF-O1 & O2.</p>

	<p>ENG – P2</p> <p>When considering proposals to develop and operate new and existing <u>When Managing adverse effects from the from development of new or development, development of new or operation, maintenance or upgrading of existing energy activities have particular regard to the benefits to be obtained from the proposal, including;</u></p> <p>...</p> <p>f. Effective transmission and distribution of electricity supply, <u>including to the consumer;</u></p>	<p>PW, MM & ML support the insertion of energy activities after the word 'new'.</p> <p>PW, SS, MM & ML – ENG-P2 does not make sense taking out existing; can only maintain or upgrade what is existing.</p> <p>ALL experts agree to this wording in green, including MK, as follows:</p> <p>When managing adverse effects from the development of new energy activities, or the operation, maintenance or upgrading of existing energy activities, have particular regard to the benefits, including...</p>	<p>MM & ML – no need for addition to (f).</p> <p>MK notes the addition to (f) is a relevant minor amendment given matters (a) to (i), the proposed rules and the outcomes sought for the use of renewable electricity.</p>
	<p>ENG – P3</p> <p>Minimise reverse sensitivity effects from <u>Manage activities to avoid adverse reverse sensitivity effects from subdivision, use and development on renewable electricity generation energy activities and protect energy activities from adverse effects to ensure their ongoing operation, maintenance, upgrade or development.</u></p>	<p>ALL experts agree that 'adverse' is not required.</p>	
	<p>ENG – P5</p> <p>When considering proposals to develop, operate, maintain and upgrade new and <u>Manage adverse effects from the development of new or development, operation, maintenance or upgrading</u></p>		<p>PW has no fixed position but considered that this clause b (part proposed to be deleted by MK) adds robustness for when a new line is added.</p>

	<p>of existing <u>renewable electricity generation, energy investigation, distribution and transmission energy</u> activities by:</p> <ol style="list-style-type: none"> Recognise their functional constraints <u>needs</u> and operational requirements <u>needs</u>; and Where new transmission infrastructure and major upgrades to transmission infrastructure are proposed have regard to the extent to which any adverse effects <u>Having regard to the extent to which any adverse effects of significant electricity distribution lines have been minimised in the route, site and method selection.</u> 		<p>MM to address prior to reconvening the hearing.</p> <p>MK notes this provision was originally related to transmission and was not required in that regard. Significant Distribution Lines are already mapped in the plan and are for a different purpose which is not related to this policy.</p>
	<p>New ENG – PX2 (proposed by MK)</p> <p><u>Ensure that subdivision and development is adequately serviced including:</u></p> <ol style="list-style-type: none"> <u>supply of electricity using a method that is appropriate to the type of subdivision and/or development, including consideration of alternative methods on a case by case basis, and</u> <u>where new energy infrastructure is developed and/or installed, that there is adequate provision for ongoing access, operation and maintenance, including through granting and reserving easements.</u> <p>Consequential change needed to: ENG – PX2PX3</p>		<p>MM & ML would prefer that the language of PX2(a) and (b) be made consistent with that of the subdivision chapter. RP said this would tie in better, need to have the option of not connecting to the grid.</p> <p>RP recommended to use same or similar language from SUB-P2(m) and (k).</p> <p>MK notes that his proposal was not just about subdivision - this is a policy to assist with achieving O5, and complementing ENG-PX3, INF-P4 and subdivision provisions.</p>
	<p>ENG – R2</p> <p>Activity Status Permitted Where:</p> <ol style="list-style-type: none"> All performance standards in Rule ENG - R1 are complied with; and 	<p>ALL experts agreed.</p> <ol style="list-style-type: none"> This is a new substation (zone) <u>or upgrade to an existing substation (zone):</u> 	<p>MK notes this was in the original ENG-R2 and provides for upgrading of substations in the industrial zone in a manner consistent with the permitted rule for new substations in this zone.</p>

	<p>2. This is the operation, maintenance, repair and upgrade of an existing substation (zone) where any upgrades are undertaken within existing switchyards or buildings, in any zone; or</p> <p>3. This is a new substation (zone) or upgrade to an existing substation (zone):</p> <ul style="list-style-type: none"> i. Located in an Industrial zone; and ii. The substation will be visually screened from the road and any <u>existing residential building located outside the Industrial Zones</u> by fencing and / or landscaping 		
	<p>ENG-R4</p> <p>Operating existing transmission and distribution lines, new distribution and transmission lines, maintaining, minor upgrading, strengthening, upgrading and replacing support structures and foundations The operation, maintenance, repair, and minor upgrading and minor upgrading of distribution lines and transmission lines not managed by the National Environmental Standard for Electricity Transmission Activities</p> <p>Activity Status Permitted</p> <p>Where:</p> <ul style="list-style-type: none"> 1. All performance standards in Rule ENG - R1 are complied with; <p>For Distribution & Customer Connections</p> <ul style="list-style-type: none"> 2. For upgrading and minor upgrading activities the following standards are met; <ul style="list-style-type: none"> (i) Upgrading is an increase in the operating voltage of the line, unless the line was originally constructed to operate at the higher voltage but has been operating at a reduced voltage, to a maximum of 110kV to operate at the higher capacity. Upgrading also includes any of the activities in 2(ii), and (ii) Minor upgrading is any of the following activities; <ul style="list-style-type: none"> a. Realignment, reconfiguration or relocation of an existing; 		<p>ALL experts, except MK, agree that concerns about what is a minor upgrade is resolved through the proposed deletion of 'minor' in favour of the general term upgrade. In the context of this rule, the extent of upgrading is provided through the performance standards which provide the parameters for upgrading. This rule proposes those performance standards.</p> <p>MM position remains that there be no definition of minor upgrading, and that the definition of upgrade is instead relied upon. MM happy to consider additional matters that Westpower and Buller Electricity needs to have included in (2)(ii). It is noted the majority of points are the same as the notified provision. ML to also check these matters for Buller Electricity. ML noted following the conferencing that he is happy with the proposed wording in (2)(ii).</p>

	<p>electricity line, cable, pole, conductors, cross arms or cabinets that is within 5m of the existing alignment or location.</p> <p>b. All alterations and additions to overhead lines, including the placement of new lines on existing poles, that:</p> <ul style="list-style-type: none"> • do not increase the number of conductors or wires by more than 100 per cent, or comprise new conductors or wires that do not have a diameter greater than 20 per cent of the combined diameter of the existing wires or conductors being replaced, or • include cross arms with a length exceeding the existing length by more than 100 per cent. <p>c. The addition of earthwires, either overhead or underground, and underground earthgrids, which may contain telecommunications lines, and earthpeaks,</p> <p>d. Any pole which replaces an existing pole provided that:</p> <ul style="list-style-type: none"> • it must not have a diameter that is more than the existing pole's diameter at its largest point plus 50 per cent, and • it must not have a height greater than 25m, and • it must be located not more than 5m from the existing pole. <p>e. Modification of an existing pole:</p> <ul style="list-style-type: none"> • only where the mechanical loading requirements make this necessary in order to undertake reconductoring or the reconfiguration of equipment, such as staywires, anchor blocks, on existing overhead electricity and telecommunication lines, or • when modifications to structures are required to meet mechanical loading requirements provided that the height and profile of any modified support structures remains the same as existed prior to the improvements. <p>f. The installation of new mid-span electricity poles in existing networks to address clearances in NZECP 34:2001.</p>		<p>PW's position stands as provided in evidence, which includes some amendments to the notified provisions.</p> <p>MK – Please refer to commentary in M13 to M17 of the document dated 12 January 2024, in relation to MK's comments on upgrading and minor upgrading.</p>
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	<p><u>For Transmission Lines (renumber provisions from 1-8 to 3-10 as below)</u></p> <ol style="list-style-type: none"> 3. Any realignment, relocation or replacement of a network utility pole, pipe, tower, structure, building or minor utility structure is within 5m of the alignment or location of the original existing pole, tower, structure, building or minor utility structure; 4. A replacement pole, tower, or structure does not exceed the height of the original pole, tower, or structure by more than 30 percent, measured from the top of the foundation; 5. The diameter or width of the replacement pole structures at its widest point does not exceed twice that of the replaced pole at its widest point and; where a single pole is replaced with a pi pole, the width of the pi pole structure must not exceed three times that of the replaced pole at its widest point; 6. Additional conductors or lines do not increase the number of conductors or lines by more than 100 percent of the original; 7. The footprint of the structure or building does not increase by more than 30 percent of the existing building or structure, excluding any pole or pi pole structure provided above; 8. The face area of a replacement panel antenna or the diameter of a replacement dish antenna does not increase by more than 20 percent; 9. There are no additional towers; and 10. A pole is not replaced with a tower. 		
	<p>ENG-R6</p> <p>Activities in and around the Significant Electricity Distribution Lines</p> <p>Activity status where compliance not achieved: Non-complying <u>Non-Complying</u></p>		<p>MM & ML propose that this be discretionary, as it doesn't have the same level of national protection as other non-complying activities.</p> <p>MK notes given the objectives and policies above as they relate to these lines it is appropriate that the consent category is "non-complying as originally proposed. It is unclear on</p>

			what basis a consent is anticipated that prevents the operation of the line.
	<p>ENG-R8</p> <p>Installation of electricity cabinets Activity Status Permitted Where:</p> <ol style="list-style-type: none"> 1. All performance standards in Rule ENG - R1 are complied with; and <p>The cabinet has a maximum height above ground level of 2m <u>and a maximum area of 1.4m²10m².</u></p>		<p>MM maintains position that 2m in height with a max of 10m² could result in a very large cabinet – not supported proposed change.</p> <p>MK notes this change came about, as he understands it, from a submission requesting a 10m² area limit when the pTTPP as notified contained no limit on area. MK is unclear on what basis a further reduced area is now proposed as none was requested. MK's understanding is that 10m² is a current provision for this matter within the region.</p>
	<p>ENG-RX2</p> <p>New <u>Lines, Telecommunication Poles or Towers Distribution and Customer Connections</u> Activity Status Permitted Where:</p> <ol style="list-style-type: none"> 1. All performance standards in Rule ENG - R1 are complied with 2. <u>Poles, and associated equipment, for above ground lines do not exceed a height of 25m</u> 3. <u>Lines will comply with the requirements of NZECP 34:2001</u> 4. <u>New lines are underground where located in RESZ - Residential, or CMUZ – Commercial and Mixed Use Zones; or</u> 		<p>RP does not like point 6 as SASMs are above and below ground. Need to comply with the SASM chapter anyway. RP does not agree with including SASM provisions in this chapter.</p> <p>MK – Presumably this standard (item 7) is not intended to apply to underground cables as there is no such standard in proposed ENG-RX1.</p> <p>MM's preference is to delete this rule in its entirety and instead rely on the rules in the Subdivision chapter and other</p>

	<p>5. Existing above ground lines located within the zones identified in 4. are extended by no more than 5 poles; or</p> <p>6. For the purpose of maintaining the values of a SASM site are above ground when located within the zones identified in 4., and</p> <p>7. The diameter of above ground conductors, lines or cables for consumer connections does not exceed 36mm.</p> <p>8. Installation or modification of a sign at a height no greater than 2m above ground level and no larger than 1m² associated with an electricity network utility.</p> <p>4. The connection does not include a new tower;</p> <p>5. The connection does not exceed three additional poles; and</p> <p>6. The diameter of conductors, lines or cables does not exceed 306mm.</p> <p>Advice Note: Where the connection is to a heritage item identified in Schedule One resource consent is also required under Rule HH – R5.</p> <p>Activity status where compliance not achieved: Discretionary</p>		<p>rules in this ENG chapter for new and upgrading of lines.</p> <p>ML – Some connections are not made by subdivision. The upgrade rule doesn't necessarily capture that. ML checking if RX3 covers new distribution. ML noted following the conferencing that he maintains that this rule needs to stay in the Energy chapter as not all new connections are made at the time of subdivision.</p> <p>MK notes there is no corresponding discretionary rule. MM to check all similar situations and will address this in a response prior to the hearing being reconvened.</p> <p>MK – Please refer to commentary in M20 of the document dated 12 January 2024, in relation to MK's comments on distribution and customer connections and the need for these performance standards, and the removal of the advice note.</p>
	<p>ENG – RX3</p> <p>The construction of distribution lines and transmission lines not managed by the National Environmental Standard for Electricity Transmission Activities</p>		<p>MK understood that the rule for transmission lines is acceptable and there was no Westpower submission in regard to transmission lines so the intent is not to disrupt agreements in this regard.</p> <p>MM's preference is to keep distribution lines in the title. ML to check if this is a concern. ML noted following the conferencing that distribution lines should stay in the title.</p>

			<p>MK notes there is no corresponding discretionary rule.</p> <p>MM to check all similar situations and will address this in a response prior to the hearing being reconvened.</p>
	<p><u>ENG – RX10</u></p> <p><u>Activities in and around Significant Electricity Distribution Lines, that do not comply with Permitted Activity standards</u></p> <p><u>Activity Status Discretionary Non-Complying</u></p>		<p>MM & ML propose that this be discretionary, as it does not have the same level of national protection as other non-complying activities.</p> <p>MK notes given the objectives and policies above as they relate to these lines it is appropriate that the consent category is “non-complying as originally proposed. It is unclear on what basis a consent is anticipated that prevents the operation of the line?”</p>
	<p>ENERGY</p> <p>means the use of land, buildings and structures for the purpose of energy investigation, generation, transmission and distribution (<u>including connection and supply to consumers</u>). This includes all <u>associated activities and all</u> types of renewable electricity generation:-</p> <ul style="list-style-type: none"> • <u>Renewable electricity generation activities;</u> • <u>Energy investigation, generation, transmission and distribution; and</u> • <u>Non-renewable electricity generation activities.</u> 		<p>MK seeks ‘including connection and supply’; provided for as a component of “distribution” and in rules so intent is to make it explicit rather than implicit. This should include “all associated activities and ...” given the word “activity” has been removed from the definition heading and proposed Rule ENG-RX11?</p> <p>MM does not support and prefers recommendation in s42A report.</p> <p>PW has concerns with words ‘all associated activities’.</p>

			<p>RP – Does that include renewable energy as a by-product of other energy? MM says it could.</p>
	<p>INFRASTRUCTURE</p> <p>Add note to the definition:</p> <p><u>Note: Whilst electricity activities in item (d) are defined as “Infrastructure” they are not provided for or controlled in the “Infrastructure Chapter” but in the “Energy Chapter”. Reference should also be made to the definition of “Energy” in that regard.</u></p>		<p>MK notes this submission was not to change the definition but to assist plan users in navigating and interpreting the plan given the wide range of terms, definitions and provisions for similar activities. Experience to date suggests that the plan can be difficult to interpret and guidance will minimise interpretation issues.</p> <p>MM does not support the note as worded. If there has to be a note support different wording. MM will provide amended wording and will address this prior to the hearing being reconvened.</p>
	<p><u>LARGE SCALE DISTRIBUTED ELECTRICITY GENERATION</u></p> <p>means, when applied to provisions in the Energy Chapter, electricity generation activities utilising renewable energy sources with a capacity of greater than 100kW <u>20kW Local Small and Community Scale Electricity Generation Activities</u> for the purposes of exporting electricity directly into the distribution network or National Grid. It includes all ancillary components and activities such as lines, poles, structures, substations, climate / environmental monitoring equipment, earthworks, roading, maintenance buildings, temporary concrete batching plants, internal transmission and fibre networks, and site rehabilitation works.</p>	<p>MM agreed, as this is a defined term.</p> <p>Small</p>	

	<p><u>UPGRADING /UPGRADE</u></p> <p>means in relation infrastructure and renewable electricity generation activities, the improvement or increase in carrying capacity, operational efficiency, security or safety of existing infrastructure and renewable electricity generation activities, but excludes maintenance and repair. <u>(Upgrade has the same meaning)</u></p> <p><u>In the case of distribution of electricity this includes an increase in the voltage of the line unless the line was originally constructed to operate at the higher voltage but has been operating at a reduced voltage. Upgrading in this regard also includes any increase in the scale character or intensity of any associated building.</u></p>		<p><u>MK</u> notes this is the original submission point to ensure clarity of outcome provided for when “upgrading”. Intended to be used as a basis for interpretation of provisions across the plan given that both “upgrading” and “minor upgrading” were originally permitted by ENG-R4 and arising through other provisions outside the “Energy” Section and to which the “Energy” Section is subject. Proposed ENG-R4 provided no distinction between the two levels of upgrading.</p> <p><u>MM & RP</u> do not think it is necessary to add these words. <u>RP</u> adds especially not the last line, as it reads as an exemption to effects that can be considered.</p>
	<p><u>MINOR UPGRADING</u></p> <p><u>means in relation to distribution lines (including customer connections):</u></p> <p>a. <u>Realignment, reconfiguration or relocation of an existing: electricity line, cable, pole, conductors, cross arms or cabinets that is within 5m of the existing alignment or location.</u></p> <p>b. <u>All alterations and additions to overhead lines, including the placement of new lines on existing poles, that:</u></p> <ul style="list-style-type: none"> • <u>do not increase the number of conductors or wires by more than 100 per cent, or comprise new conductors or wires that do not have a diameter greater than 20 per cent of the combined diameter of the existing wires or conductors being replaced, or</u> • <u>include cross arms with a length exceeding the existing length by more than 100 per cent.</u> <p>c. <u>The addition of earthwires, either overhead or underground, and underground earthgrids, which may contain telecommunications lines, and earthpeaks.</u></p> <p>d. <u>Any pole which replaces an existing pole provided that:</u></p>		<p><u>ALL</u> experts, except <u>MK</u>, refer to earlier points in ENG-R4, specifically that the minor upgrading definition is not required.</p> <p><u>RP</u> notes the definition is required for other chapters but not this one.</p> <p><u>MM</u> notes if a definition is to be included would not support this wording as it reads more as performance standards.</p> <p><u>MK</u> notes that this definition is to ensure clarity of outcome provided for when undertaking “minor upgrading”. Intended to be used as a basis for interpretation of provisions across the</p>

	<ul style="list-style-type: none"> • it must not have a diameter that is more than the existing pole’s diameter at its largest point plus 50 per cent, and • it must not have a height greater than 25m, and • it must be located not more than 5m from the existing pole. <p>e. Modification of an existing pole:</p> <ul style="list-style-type: none"> • only where the mechanical loading requirements make this necessary in order to undertake reconducting or the reconfiguration of equipment, such as staywires, anchor blocks, on existing overhead electricity and telecommunication lines, or • when modifications to structures are required to meet mechanical loading requirements provided that the height and profile of any modified support structures remains the same as existed prior to the improvements. <p>f. The installation of new mid-span electricity poles in existing networks to address clearances in NZECP 34:2001.</p> <p>g. An increase in the power carrying or operating capacity, efficiency or security of electricity lines, where this uses the existing network utility and meets the requirements of clauses (c)-(f) above.</p>		<p>plan given that both “upgrading” and “minor upgrading” were originally permitted by ENG-R4 and arising through other provisions outside the “Energy” Section and to which the “Energy” Section is subject. Proposed ENG-R4 provided no distinction between the two levels of upgrading.</p>
<p>INF – R6 Rule regarding Navigational aids/beacons/environmental monitoring equipment and Meteorological facilities</p>			<p>LS notes regarding water quality and air quality monitoring equipment. Condition 1 and 2 are fine. Although R1 doesn’t have the word tower in it. MM notes a tower is a structure.</p> <p>LS accepts the height limits in the natural open space and general rural zones permitted rule for environmental monitoring equipment. LS would be concerned if these height limits were reduced.</p> <p>LS – Does this rule apply to existing and new monitoring equipment? MM responds it applies to all, including upgrading.</p>