

Before Hearing Panel – Proposed Waikato District Plan

Under The Resource Management Act 1991 (the Act)

In the matter of Proposed Waikato District Plan
Hearing 15 - Designations

Between Waikato District Council

Local Authority

And Transpower New Zealand Limited

Submitter and Further Submitter

First statement of evidence of Pauline Mary Whitney

Dated 31 March 2020

**STATEMENT OF EVIDENCE OF PAULINE MARY WHITNEY ON BEHALF
OF TRANSPOWER**

INTRODUCTION

Qualifications and Experience

- 1 My full name is Pauline Mary Whitney.
- 2 I am a Senior Planner and Senior Principal of Boffa Miskell Ltd, a national firm of consulting planners, ecologists and landscape architects. I hold the qualification of Bachelor of Resource and Environmental Planning (Hons). I am a Full Member of the New Zealand Planning Institute and have over 23 years' experience as a resource management planner.
- 3 I have been a planning consultant based in Wellington for the past 18 years, providing consultancy services for a wide range of clients around New Zealand, including local authorities, land developers, and the infrastructure and power sectors. Prior to that I was employed with local authorities in New Zealand and the United Kingdom for 5 years. My experience includes:
 - Work on the preparation of plan changes for councils and private clients and review of numerous regional policy statements, regional plans and district plans on their behalf; and
 - Preparing resource consent applications and notices of requirement for a wide range of development and infrastructure projects.
- 4 Specific to Transpower New Zealand Limited ('Transpower'), I have been involved with preparing submissions / hearing evidence on over 17 planning documents (including district plans, regional plans, regional policy statements and plan changes) over the past 8 years.
- 5 My evidence is given in support of Transpower's submission on the Proposed Waikato District Plan ("PWDP").
- 6 In this matter, Boffa Miskell Ltd was engaged by Transpower to provide planning expertise through the submission process, as well as to prepare this evidence on the PWDP.

Code of Conduct

- 7 I have read the Code of Conduct for Expert Witnesses contained in the Environment Court Consolidated Practice Note (2014), and I agree to comply with it. My qualifications as an expert are set out above. I confirm that the issues addressed in

this brief of evidence are within my area of expertise. I have not omitted to consider material facts known to me that might alter or detract from the opinions expressed.

Scope of Evidence

- 8 My evidence covers the submissions made by Transpower and third parties to **'Section E Designations'** of the PWDP and specifically on the **'Transpower New Zealand Limited (K)'** designations.
- 9 My evidence will address the following:
 - The planning background for Transpower's requested 'rollover' of its designations, including an outline of Transpower's assets in the Waikato District, and the need to provide sufficient recognition of the national importance of the National Grid in the context of higher level planning policy documents, particularly the National Policy Statement on Electricity Transmission 2008 ("NPSET");
 - An overview of Transpower's 'rollover' request and its submission points on the PWDP in respect of its existing Waikato District designations; and
 - My responses to the recommendations within the Hearing 15 (Designations) Section 42A Report on Transpower's designations and the submission points.
- 10 My evidence generally does not address Transpower Designation K4 (Meremere Switching Station). Specific evidence in relation to that designation and Transpower's notice of requirement will be provided separately.

THE NATIONAL GRID AND TRANSPOWER'S ASSETS IN THE WAIKATO DISTRICT

- 11 Transpower owns and operates the National Grid, which transmits electricity throughout New Zealand from energy generation sources to distribution networks and direct-connect customers. The need to operate, maintain, develop and upgrade the electricity transmission network is recognised as a matter of national significance through the National Policy Statement on Electricity Transmission 2008 ("NPSET"). This significance applies universally across the country regardless of the nature of the specific National Grid asset.
- 12 Within the Waikato District, Transpower has a number of overhead and

underground transmission line, substation and telecommunications assets. Eight of these assets are subject to designations that Transpower has requested be rolled over as part of the PWDP review process (clause 4 of Schedule 1 of the Resource Management Act 1991 (RMA)).

13 These designated assets (and their corresponding designation references under the PWDP) are:

- Western Road Substation and Training Facility (Designation **K1**)
- Hamilton to Meremere B Underground Transmission Line Cable (Designation **K2**)
- Huntly Outdoor Switchyard (Designation **K3**)
- Meremere Switching Station (Designation **K4**)
- Te Kowhai Substation (Designation **K5**)
- Te Kowhai Deviation A 220kV High Voltage Transmission Line (Designation **K6**)
- Ohinewai Switching Station (Designation **K7**)
- Brownhill Road to Whakamaru North Overhead Transmission Line (Designation **K8**).

14 Maps of the above assets are attached as Appendix C of this statement.

THE NATIONAL POLICY STATEMENT ON ELECTRICITY TRANSMISSION 2008

15 National policy statements are at the top of the hierarchy of planning instruments under the RMA. Of particular relevance to the PWDP, Transpower's designated assets and its submission, is the NPSET.

16 The NPSET sets a clear directive to councils on how to provide for National Grid resources (including future activities) when drafting plans under the RMA.

17 The NPSET confirms the national significance of the National Grid and establishes a clear national policy direction that recognises the benefits of electricity transmission, the effects of and on the National Grid, and the need to appropriately manage activities and development under and in close proximity to it.

18 The NPSET sets out the one objective and 14 policies to direct the management of the electricity transmission network under the RMA. A copy of the NPSET is appended to my evidence as Appendix A.

19 The one objective of the NPSET is as follows:

To recognise the national significance of the electricity transmission network by facilitating the operation, maintenance and upgrade of the existing transmission network and the establishment of new transmission resources to meet the needs of present and future generations, while:

- a. Managing the adverse environmental effects of the network; and*
- b. Managing the adverse effects of other activities on the network.*

- 20 This objective recognises that the electricity transmission network itself potentially gives rise to adverse effects, and, conversely, that other activities can potentially adversely affect the network.
- 21 The NPSET's 14 policies provide for the recognition of the benefits of the National Grid, as well as the environment effects of transmission and the management of adverse effects on the National Grid. The policies have to be applied by both Transpower and decision-makers under the RMA, as relevant. The development of the National Grid is explicitly recognised in the NPSET.
- 22 **Policy 1** specifies that decision-makers must recognise and provide for the national, regional and local benefits of sustainable, secure and efficient electricity transmission. Explicit reference is made to the benefits of security of supply, efficient transfer of energy and enhanced supply.
- 23 **Policies 2 to 9** relate to management of the environmental effects of transmission. In particular, **Policy 2** states:

In achieving the purpose of the Act, decision-makers must recognise and provide for the effective operation, maintenance, upgrading and development of the electricity transmission network.

- 24 **Policies 3 to 5** contain matters which decision-makers must consider, including technical and operational constraints, the route, site and method selection process, and operational requirements. **Policy 6** seeks to reduce existing adverse effects during substantial upgrades, where appropriate, while **Policies 7 and 8** relate to effects on urban and rural environments respectively. **Policy 9** specifically relates to health standards.
- 25 **Policies 10 and 11** act as the primary guide to inform how adverse effects on the National Grid are to be managed through planning provisions.
- 26 Importantly, **Policy 13** provides that:
- “Decision-makers must recognise the designation process can facilitate long-*

term planning for the development, operation and maintenance of electricity transmission infrastructure.”

- 27 As the Hearing Panel will be aware, Section 75(3) of the RMA obliges district councils to ‘give effect’ to the NPSET in their district plans. Therefore, the NPSET must be implemented when drafting district policy and plan provisions and considered in making decisions on submissions, resource consent applications and designations. The requirement to ‘give effect’ is a strong statutory directive to Councils compared to other directives in the RMA and was interpreted in the *EDS v New Zealand King Salmon* Supreme Court case¹ as meaning “to implement”.

BACKGROUND

Transpower’s Rollover Request

- 28 In its original letter to the Council dated 14 May 2015, which was in response to an email from Council dated 4 November 2014 notifying Transpower of the upcoming review of the Waikato District Plan, Transpower advised that it would be seeking to rollover its existing designations under the Operative Plan into the PWDP without modification (subject to some minor amendments, including to updates to street addresses and minor technical clarifications).
- 29 In a letter dated 7 September 2017, and pursuant to Schedule 1 (Clause 4) of the Resource Management Act 1991, Transpower gave notice to Council that its existing designations under the Operative Waikato District Plan (Waikato Section) and Operative Waikato District Plan (Franklin Section) are required to be included into the PWDP without modification.
- 30 The notice specified the designations to be rolled over into the PWDP as follows:
- Western Road Substation and Training Facility (Designation K1)
 - Huntly Outdoor Switchyard (Designation K3)
 - Meremere Switching Station (Designation K4)
 - Te Kowhai Substation (Designation K5)
 - Te Kowhai Deviation (Designation K6)
 - Ohinewai Switching Station (Designation K7)
 - 400kV-capable transmission line between Auckland and Whakamaru as part of upper North Island Grid Upgrade project (Designation K8 and 152)

¹ Environmental Defence Society Inc v The New Zealand King Salmon Co Ltd [2014] NZSC 38

- 31 The notice also stated that Transpower did not seek to rollover the designation for the Hamilton Substation (Designation K2) as that designation lies wholly within the boundary of Hamilton City Council.
- 32 No new requirements for designations were sought. However, the notice sought minor technical clarifications to some of the designations to be rolled over, including matters such as more specific location details and corrections to legal descriptions. It also requested that designations K8 and 152 (with designation 152 being in the former Franklin district) be merged into a single designation, and that the designation purpose is changed to 'Brownhill Road to Whakamaru North Overhead Transmission Line', with an updated legal description to encapsulate both the existing K8 and 152 designations.
- 33 The notice also stated that some of the conditions on the designations for Te Kowhai Deviation A 220kV high voltage transmission line (K6), Ohinewai Switching Station (K7) and Brownhill Road to Whakamaru North Overhead Transmission Line (K8) had been reviewed by Transpower, and that as a result, some conditions were requested to be updated as part of the plan review to ensure accurate reflection of current legislation and codes of practice, and to remove unnecessary construction related conditions (where construction had been completed).
- 34 On 11 June 2018, Transpower provided Council with an updated notice to rollover its designations into the PWDP. This request was the same as the notice provided to Council in September 2017 but included additional information in relation to Transpower's recently acquired designation for the Hamilton-Meremere B Underground Transmission Line Cable (accepted in October 2017). This information included a Certificate of Title, a designation map, a GIS shape file and evidence of the designation condition being fulfilled.

PWDP Submissions

- 35 In October 2018, Transpower lodged a submission on the PWDP. Three specific submission points related to the Transpower designations in Section E of the PWDP. In summary, these submission points sought the following relief:
- Retain Transpower designations K1 and K3-8
 - Amend designation K7 (Ohinewai Switching Station) to include references to ongoing conditions
 - That designation K2 be listed within Schedule E of the PWDP (to align with the PWDP notified planning maps identification of K2), and

- Consequential amendments to address the matters raised in the submission.

36 As part of its further submission, Transpower opposed the original submission made by Tainui Group Holdings Limited (submission 341.9) that sought to reduce the extent of Transpower designation K4 (Meremere Switching Station) as far as practicable. These submissions, and the officer's report on designation K4 will be addressed in my second brief of evidence.

37 It is noted that the Ohinewai Area Committee made further submissions (FS1207.4 and FS1145.12) in support of Transpower's original submission and the relief sought in relation to designation K7 (Ohinewai Switching Station).

Section 42A Report Recommendations

38 The Section 42A report makes the following recommendations (at paragraph 166) in relation to the submission points made on the Transpower designations:

- a. **Recommend** to Transpower New Zealand Limited that it lodges a section 181 application to comprehensively address all alterations sought to the conditions for Designations K2, K5, K6, K7 and K8
- b. **Recommend** to Transpower New Zealand Limited that, pending completion of (a), Designations K2, K5, K6, K7 and K8 be confirmed in the Proposed Waikato District Plan, without the alterations proposed in the notice of requirement
- c. **Recommend** to Transpower New Zealand Limited that it confirms Designations K1 and K3 included in the Proposed Waikato District Plan, without modifications.
- d. **Recommend** to Transpower New Zealand Limited that it confirms Designation K4 (Meremere Switching Station) in the Proposed Waikato District Plan, with modifications to be determined by the hearing panel after hearing evidence.
- e. **Reject** the submission from Transpower New Zealand Limited [576.71] and further submissions from the Ohinewai Area Committee [FS 1207.4 and FS1145.12] (relating to K7 Ohinewai Switching Station).
- f. **Accept** in part the submission from Transpower New Zealand Limited [576.70] to the extent that Designations K1, K3 and K5-K8 are recommended for confirmation as detailed above, and a recommendation on Designation K4 is dependent on evidence as to whether it is to be retained, modified or withdrawn.
- g. **Reject** the submission from Tainui Group Holdings [341.9] (seeking a reduction in the extent of the Meremere Switching Station).

*h. **Accept** the further submission from Transpower New Zealand Limited [FS1350.139] (to retain the existing extent of the Meremere Switching Station).*

*i. **Accept** the submission from Transpower New Zealand Limited [576.72]. (seeking the addition of K2 to the list of Transpower designations in Table K).*

RESPONSE TO THE SECTION 42A REPORT RECOMMENDATIONS

- 39 As outlined above, the Section 42A report makes a series of recommendations (numbered 'a' to 'i') at paragraph 166 in respect of Transpower's Schedule 1 rollover notice and the submissions made on the Transpower designations in Table K of Section E of the PWDP.
- 40 To assist the Panel, I have provided a summary of the relief sought in relation to each Transpower designation, than K4 (including in relation to the conditions on K2, K5, K6, K7 and K8) in paragraphs 54 to 71 below. I address designation K4 in the Second brief of evidence.
- 41 The following sections of my evidence address the specific Section 42A report recommendations that I support or support conditionally, support in part only, or oppose / do not support.
- 42 In summary, I support the rollover and modification of the submissions as sought in the notice provided by Transpower in 2018.

Recommendations accepted

Recommendations 'c', 'h' and 'i'

- 43 In terms of **recommendation 'c'**, the officer recommendation that the Hearing Panel recommend to Transpower that it confirms Designations K1 and K3 without modification is supported, noting that two minor amendments are sought (as per Transpower's Schedule 1 notice) to ensure the accuracy and clarity of the designation descriptions in the PWDP. These changes are detailed below in paragraphs 56 and 59.
- 44 I support **recommendation 'i'** which accepts submission 576.72 and the request to add the Hamilton to Meremere B Underground Transmission Line Cable designation (K2) to the list of Transpower designations in Table 'K' of Section E of the PWDP. I also support the officer comment in paragraph 159 of the Section 42A report which provides a solution for rectifying the mapping error on the notified planning maps so that designation K2 matches the detail shown in the Council's

Intramaps. However, I note that one further amendment (update) is required to the legal description for designation K2 (as recommended by the Section 42A report) to ensure the PWDP aligns with the new title issued in November 2018. This update is detailed in Appendix B, Table 1) and discussed below in paragraph 57.

Recommendations conditionally supported or supported in part

Recommendation 'f'

45 I support in part **recommendation 'f'** which relates to Designations K1, K3-K8. The officer's recommendation is to accept in part Transpower's submission 576.70 to retain Designations K1, K3 and K5-K8 as notified to the extent that these designations are recommended for confirmation but without the alterations requested in the Schedule 1 notice. In terms of this recommendation:

- As outlined above, I accept the recommendation to confirm Designations K1 (Western Road Substation and Training Facility) and K3 (Huntly Outdoor Switchyard) in the PWDP. These two designations were requested by Transpower to be rolled over without modification. In addition, there are no conditions attached to either of these designations, and no conditions were proposed. However, as outlined, a very minor grammatical error is requested to be corrected for the designated purpose of K1, and a more specific address location is requested for K3;
- I support the officer's recommendation to confirm Designations K5-K8 in the PWDP but oppose the officer's rejection of the amendments sought by Transpower to update and simplify the designation descriptions and conditions. This opposition is discussed in more detail below.

Recommendations opposed or not supported

Recommendations 'a', 'b', 'e' and 'f'

46 The officer recommendation contained in 'a' (under paragraph 166 of the Section 42A report) effectively rejects the minor corrections and simplifications sought by Transpower in its Schedule 1 rollover notice and instead recommends to Transpower that it lodges a section 181 application to comprehensively address all alterations sought to the conditions for Designations K2, K5, K6, K7 and K8. Building on this, the recommendation in 'b' is that, pending the s181 application,

Designations K2, K5, K6, K7 and K8 be confirmed in the PWDP without the alterations sought in the Schedule 1 notice.

- 47 The section 42A officer is concerned that these amendments might involve substantive changes to these designations that members of the public may not have been made fully aware of, despite the publication of Transpower's notice on the Council's website. While the officer acknowledges that some changes are likely to be only minor in nature, and could be accepted as part of this hearing, her preference is that all changes be considered as a comprehensive package outside of the district plan review process. The officer notes that Transpower has the option of proposing these changes sought through the section 181 process (alteration of a designation) and considers that the section 181 process would enable more detailed engagement with affected landowners which, in turn, has potential to produce more sustainable outcomes.
- 48 The officer is correct in that Transpower has the option of promoting these changes sought through the section 181 process. However, the current district plan process is also available to Transpower, and as acknowledged by the officer, the proposed changes could be accepted as part of this hearing. Transpower considers it more efficient, and in accordance with the sustainable management purpose of the RMA, to consider these changes through the current process. As the proposed plan was publicly notified, Transpower considers there has been ample opportunity for affected landowners to be involved and expects that those concerned about change to designations that affect their properties will be participating in this process.
- 49 Accordingly, I do not support the officer recommendations made in 'a' and 'b' and do not consider a section 181 application necessary. In addition, I note that the changes sought by Transpower are of limited scale.
- 50 I do not support the officer recommendation in 'e' to reject Transpower's submission 576.71 that seeks to amend the conditions on Designation K7 (Ohinewai Switching Station) to include references to ongoing conditions. As outlined in paragraphs 66-68, Transpower has sought simplification of the conditions that apply to K7 by deleting 13 conditions that are obsolete and updating 4 conditions to ensure their currency (as detailed in Appendix B, Table 3A). This is on the basis that the actions required by these conditions have been completed. A letter from Council dated 13 December 2013 confirmed all conditions are compliant.
- 51 To support the Hearing Panel's understanding of the nature and scope of the changes sought to the conditions on Designations K2, K5, K6, K7 and K8, I have

undertaken a review of the conditions associated with each of these designations. This included reviewing the changes sought by Transpower in its Schedule 1 notice. The tables provided in Appendix B set out the changes now sought by Transpower as part of this hearings evidence and the reasons for the changes.

- 52 In addition, in my opinion, after further review some of the conditions originally sought to be amended or deleted as part of the Schedule 1 notice have ongoing relevance to the management of environmental effects and I therefore support these being retained. These changes and the reasons are detailed in the tables in Appendix B.
- 53 In summary, I consider the changes outlined in the tables in Appendix B to be helpful simplifications to the designation conditions, which remove obsolete conditions, provide technical clarifications and ensure accurate references are made to current legislation and codes of practice.

SUMMARY OF RELIEF SOUGHT BY TRANSPOWER IN RELATION TO ITS DESIGNATIONS

- 54 To assist the Hearing Panel in understanding the relief Transpower seeks in relation to its designations within the PWDP and the associated designation conditions, I provide a summary of each designation and the relief sought in the following paragraphs.
- 55 In addition, and in relation to the specific updates and changes Transpower requests to the conditions on Designations K2, K5, K6, K7 and K8, I have prepared a series of tables which outline the changes for each designation and the reasons. The full wording of the conditions is provided in the tables to ensure the effects of the requested changes can be clearly seen and understood (in response to the officer comment in paragraph 163). The tables are provided in Appendix B of this statement. Maps showing Designations K2, K5, K6, K7 and K8 are provided in Appendix C.

K1: Western Road substation and training facility

- 56 Transpower requests that the designation for the Western Road Substation and Training Facility (K1), being a designation that has not lapsed, be rolled over without modification. There are no conditions attached to this designation, and no conditions are proposed. Correction of a very minor grammatical error is requested for the designated purpose in the PWDP (to amend the word Sub-Station to read “Sub-station”).

K2: Hamilton to Meremere B Underground Transmission Line Cable

- 57 Transpower requests that the designation for the Hamilton to Meremere B Underground Transmission Line, being a designation that has not lapsed, be rolled over with modification. In terms of minor alterations to the designation description, an updated legal description in the PWDP is sought to reflect the new title issued in November 2018 (as detailed in Appendix B, Table 1).
- 58 In terms of conditions, there is one condition and one advice note attached to the K2 designation (as detailed in Appendix B, Table 1A). Consistent with the Schedule 1 notice, Transpower seeks deletion of the condition and the advice note on the basis that they have been fulfilled by Transpower and are now obsolete and therefore unnecessary. The condition requires provision of as-built plans to the Council as soon as practicable following completion of construction of the underground cable and the associated works. Given the designation was accepted in 2017 (DES0008/18) and the outline plan was provided to Council on 7 June 2018, I consider that the condition has been complied with and is no longer of relevance. The advice note is also unnecessary as the construction has occurred and Condition 1 has been complied with. In addition, the advice note repeats what is already required by the RMA and is therefore unnecessary replication. A map showing the K2 designation is provided in Appendix C.

K3: Huntly Outdoor Switchyard

- 59 Transpower requests that the designation for the Huntly Outdoor Switchyard, being a designation that has not lapsed, be rolled over without modification. There are no conditions attached this designation, and no conditions are proposed. A more specific location of the switchyard is sought to be noted in the PDWP by amending the wording to include reference to "Te Ohaki Road, Huntly" (instead of the generic reference to "Power station, Huntly").

K5: Te Kowhai Substation

- 60 Transpower requests that the designation for the Te Kowhai Substation, being a designation that has not lapsed, be rolled over with modification. A more specific street address location is sought to be noted in the PWDP as detailed in Appendix B, Table 2.

K6: Te Kowhai Deviation A 220kV high voltage transmission line

- 61 Transpower requests that the designation for the Te Kowhai Deviation A, being a

designation that has not lapsed, be rolled over with modification. A more specific and accurate legal description is sought to be noted in the PWDP as detailed in Appendix B, Table 2A.

62 Maps showing the K5 and K6 designations are provided in Appendix C.

K5 and K6 changes/updates to designation conditions

63 The changes sought to conditions for the Te Kowhai Substation (K5) and the Te Kowhai Deviation A 220kV High Voltage Transmission Line (K6) apply to both designations. In rolling over the designations for the Te Kowhai Substation (K5) and Te Kowhai Deviation A 220kV high voltage transmission line (K6), Transpower has sought the simplification of the conditions that apply by deleting 11 conditions that are now obsolete (as detailed in Appendix B, Table 2B).

64 These changes are sought on the basis that the actions required by these specific conditions have been completed as they relate to construction activities that have occurred, or they were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. Where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply.

65 In addition, 4 conditions require updating as they refer to documents that have been superseded by updated regulations and guidelines. The changes sought are to ensure there are correct references to NZ Standards for measuring noise and electric and magnetic fields, and updating to reflect the standards for Oil Spill Management have been rehoused within TP.SS 05.10 (the standards remain unchanged), (as detailed in Appendix B, Table 2B).

K7: Ohinewai Switching Station

66 Transpower requests that the designation for the Ohinewai Switching Station, being a designation that has not lapsed, be rolled over with modification. A more specific legal description, street address and a correct site area are sought to be incorporated into the PWDP (as detailed in Appendix B, Table 3). A map showing the K7 designation extent is provided in Appendix C.

67 In rolling over designation K7, Transpower seeks simplification of the conditions that apply by deleting 13 conditions that are obsolete (as detailed in Appendix B, Table

3A). This is on the basis that the actions required by these conditions have been completed as they relate to construction activities that have occurred, or were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. A letter from Council dated 13 December 2013 confirmed all conditions are compliant. In addition, I note that where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply.

- 68 In addition, updates to 4 conditions (as detailed in Appendix B, Table 3A) are sought to ensure references to specific guidelines and NZ Standards for noise and electric and magnetic fields are current, and updating to reflect the standards for Oil Spill Management have been rehoused within TP.SS 05.10 (noting the standards remain unchanged).

K8: Brownhill Road to Whakamaru North Overhead Transmission Line

- 69 Transpower requests that the designation for the Brownhill Road to Whakamaru North Overhead Transmission Line, being a designation that has not lapsed, be rolled over with modification. An update to the description of the designated purpose is sought as well as an amended legal description to ensure accuracy, as is detailed in Appendix B, Tables 4 and 4A. A map showing the K8 designation is provided in Appendix C.

- 70 In rolling over designation K8, Transpower seeks to simplify the conditions that apply by deleting multiple conditions that are obsolete (as detailed in Appendix B, Table 4B Waikato District Conditions and Table 4B Former Franklin District Conditions). This is on the basis that the actions required by many of the conditions have been completed as they relate to construction activities that have occurred, or were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. For simplicity, the rollover over notice also sought Designations K8 and 152 (Waikato and Franklin Districts) be rolled over into one designation. This is reflected in the wording in Table 4 and 4A within Appendix B.

- 71 In addition, I note that where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply. A

Regulatory Compliance Report was submitted to Council in May 2013 confirming compliance with each of the conditions.

- 72 In addition, 5 conditions require updating (as detailed in Appendix B, Table 4B Waikato District Conditions² and Table 4B Former Franklin District conditions³) are sought to ensure references to specific guidelines and NZ Standards are current. As noted in the rollover notice.
- 73 Given the conditions to be retained or updated are identical (except for retained condition K8 within Waikato) the conditions can be merged into the single designation.

CONCLUSION

- 74 The National Grid is recognised as a matter of national significance through the NPSET, which seeks to ensure a nationally consistent approach to managing this important national resource.
- 75 As the Hearing Panel will be aware, Section 75(3) of the RMA obliges Councils to 'give effect' to the NPSET in their plans and proposed plans. The requirement to 'give effect' is a strong directive to Councils and requires positive, demonstrable implementation.
- 76 I therefore consider it important and appropriate to ensure that the PWDP makes appropriate allowance for the development of new transmission assets as well as the operation, maintenance and upgrade of existing in line with the policy direction provided in the NPSET. The designation provisions relating to Transpower's activities are therefore of key importance, and consideration is required as to the specific effect of the PWDP provisions on the National Grid, identified as a matter of national significance through a national policy statement.
- 77 As outlined in my evidence, I am supportive of the reporting officer's recommendations in relation to confirming Designations K1 and K3 without modification. I am also supportive of the reporting officer's recommendation to add the Hamilton to Meremere B Underground Transmission Line Cable designation (K2) to the list of Transpower designations in Table 'K' of Section E of the PWDP. However, as outlined, some minor amendments to the descriptions of these designations in the PWDP are sought to ensure accuracy and clarity.

² Conditions 14, 16, 17, 19 and 21.

³ Conditions 9, 11, 12, 14 and 16.

- 78 For the reasons outlined in my evidence, there are a number of recommendations in the Section 42A Report that I do not agree with and I have outlined the reasons for my opposition, including a clear explanation of the changes sought to specific conditions on some of the existing designations.
- 79 The updates and amendments I have outlined in this evidence in relation to Transpower's designations will, in my opinion, ensure that the PWDP gives appropriate effect to the NPSET.
- 80 In my opinion, the relief sought through this evidence would appropriately recognise and provide for the significance of the National Grid for both the Waikato District and for New Zealand as a whole.

Pauline Mary Whitney

31 March 2020

Appendix A - National Policy Statement on Electricity Transmission 2008

NATIONAL POLICY STATEMENT

on Electricity Transmission

Issued by notice in the Gazette on 13 March 2008

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Preamble

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Preamble

This national policy statement sets out the objective and policies to enable the management of the effects of the electricity transmission network under the Resource Management Act 1991.

In accordance with section 55(2A)(a) of the Act, and within four years of approval of this national policy statement, local authorities are to notify and process under the First Schedule to the Act a plan change or review to give effect as appropriate to the provisions of this national policy statement.

The efficient transmission of electricity on the national grid plays a vital role in the well-being of New Zealand, its people and the environment. Electricity transmission has special characteristics that create challenges for its management under the Act. These include:

- Transporting electricity efficiently over long distances requires support structures (towers or poles), conductors, wires and cables, and sub-stations and switching stations.
- These facilities can create environmental effects of a local, regional and national scale. Some of these effects can be significant.
- The transmission network is an extensive and linear system which makes it important that there are consistent policy and regulatory approaches by local authorities.
- Technical, operational and security requirements associated with the transmission network can limit the extent to which it is feasible to avoid or mitigate all adverse environmental effects.
- The operation, maintenance and future development of the transmission network can be significantly constrained by the adverse environmental impact of third party activities and development.
- The adverse environmental effects of the transmission network are often local – while the benefits may be in a different locality and/or extend beyond the local to the regional and national – making it important that those exercising powers and functions under the Act balance local, regional and national environmental effects (positive and negative).
- Ongoing investment in the transmission network and significant upgrades are expected to be required to meet the demand for electricity and to meet the Government's objective for a renewable energy future, therefore strategic planning to provide for transmission infrastructure is required.

The national policy statement is to be applied by decision-makers under the Act. The objective and policies are intended to guide decision-makers in drafting plan rules, in making decisions on the notification of the resource consents and in the determination of resource consent applications, and in considering notices of requirement for designations for transmission activities.

However, the national policy statement is not meant to be a substitute for, or prevail over, the Act's statutory purpose or the statutory tests already in existence. Further, the national policy statement is subject to Part 2 of the Act.

For decision-makers under the Act, the national policy statement is intended to be a relevant consideration to be weighed along with other considerations in achieving the sustainable management purpose of the Act.

This preamble may assist the interpretation of the national policy statement, where this is needed to resolve uncertainty.

1. Title

This national policy statement is the National Policy Statement on Electricity Transmission 2008.

2. Commencement

This national policy statement comes into force on the 28th day after the date on which it is notified in the *Gazette*.

3. Interpretation

In this national policy statement, unless the context otherwise requires:

Act means the Resource Management Act 1991.

Decision-makers means all persons exercising functions and powers under the Act.

Electricity transmission network, electricity transmission and transmission activities/assets/infrastructure/resources/system all mean part of the national grid of transmission lines and cables (aerial, underground and undersea, including the high-voltage direct current link), stations and sub-stations and other works used to connect grid injection points and grid exit points to convey electricity throughout the North and South Islands of New Zealand.

National environmental standard means a standard prescribed by regulations made under the Act.

National grid means the assets used or owned by Transpower NZ Limited.

Sensitive activities includes schools, residential buildings and hospitals.

4. Matter of national significance

The matter of national significance to which this national policy statement applies is the need to operate, maintain, develop and upgrade the electricity transmission network.

5. Objective

To recognise the national significance of the electricity transmission network by facilitating the operation, maintenance and upgrade of the existing transmission network and the establishment of new transmission resources to meet the needs of present and future generations, while:

- managing the adverse environmental effects of the network; and
- managing the adverse effects of other activities on the network.

6. Recognition of the national benefits of transmission

POLICY 1

In achieving the purpose of the Act, decision-makers must recognise and provide for the national, regional and local benefits of sustainable, secure and efficient electricity transmission. The benefits relevant to any particular project or development of the electricity transmission network may include:

- i) maintained or improved security of supply of electricity; or
- ii) efficient transfer of energy through a reduction of transmission losses; or
- iii) the facilitation of the use and development of new electricity generation, including renewable generation which assists in the management of the effects of climate change; or
- iv) enhanced supply of electricity through the removal of points of congestion.

The above list of benefits is not intended to be exhaustive and a particular policy, plan, project or development may have or recognise other benefits.

7. Managing the environmental effects of transmission

POLICY 2

In achieving the purpose of the Act, decision-makers must recognise and provide for the effective operation, maintenance, upgrading and development of the electricity transmission network.

POLICY 3

When considering measures to avoid, remedy or mitigate adverse environmental effects of transmission activities, decision-makers must consider the constraints imposed on achieving those measures by the technical and operational requirements of the network.

POLICY 4

When considering the environmental effects of new transmission infrastructure or major upgrades of existing transmission infrastructure, decision-makers must have regard to the extent to which any adverse effects have been avoided, remedied or mitigated by the route, site and method selection.

POLICY 5

When considering the environmental effects of transmission activities associated with transmission assets, decision-makers must enable the reasonable operational, maintenance and minor upgrade requirements of established electricity transmission assets.

POLICY 6

Substantial upgrades of transmission infrastructure should be used as an opportunity to reduce existing adverse effects of transmission including such effects on sensitive activities where appropriate.

POLICY 7

Planning and development of the transmission system should minimise adverse effects on urban amenity and avoid adverse effects on town centres and areas of high recreational value or amenity and existing sensitive activities.

POLICY 8

In rural environments, planning and development of the transmission system should seek to avoid adverse effects on outstanding natural landscapes, areas of high natural character and areas of high recreation value and amenity and existing sensitive activities.

POLICY 9

Provisions dealing with electric and magnetic fields associated with the electricity transmission network must be based on the International Commission on Non-ionising Radiation Protection *Guidelines for limiting exposure to time varying electric magnetic fields (up to 300 GHz)* (Health Physics, 1998, 74(4): 494-522) and recommendations from the World Health Organisation monograph *Environment Health Criteria* (No 238, June 2007) or revisions thereof and any applicable New Zealand standards or national environmental standards.

8. Managing the adverse effects of third parties on the transmission network

POLICY 10

In achieving the purpose of the Act, decision-makers must to the extent reasonably possible manage activities to avoid reverse sensitivity effects on the electricity transmission network and to ensure that operation, maintenance, upgrading, and development of the electricity transmission network is not compromised.

POLICY 11

Local authorities must consult with the operator of the national grid, to identify an appropriate buffer corridor within which it can be expected that sensitive activities will generally not be provided for in plans and/or given resource consent. To assist local authorities to identify these corridors, they may request the operator of the national grid to provide local authorities with its medium to long-term plans for the alteration or upgrading of each affected section of the national grid (so as to facilitate the long-term strategic planning of the grid).

9. Maps

POLICY 12

Territorial authorities must identify the electricity transmission network on their relevant planning maps whether or not the network is designated.

10. Long-term strategic planning for transmission assets

POLICY 13

Decision-makers must recognise that the designation process can facilitate long-term planning for the development, operation and maintenance of electricity transmission infrastructure.

POLICY 14

Regional councils must include objectives, policies and methods to facilitate long-term planning for investment in transmission infrastructure and its integration with land uses.

Explanatory note

This note is not part of the national policy statement but is intended to indicate its general effect

This national policy statement comes into force 28 days after the date of its notification in the *Gazette*. It provides that electricity transmission is a matter of national significance under the Resource Management Act 1991 and prescribes an objective and policies to guide the making of resource management decisions.

The national policy statement requires local authorities to give effect to its provisions in plans made under the Resource Management Act 1991 by initiating a plan change or review within four years of its approval.

Appendix B – Table of Transpower Designations, Conditions and Changes Requested for K2, K5, K6, K7, K8

HAMILTON TO MEREMERE B UNDERGROUND TRANSMISSION LINE CABLE (K2)

Transpower requests that the designation for the Hamilton to Meremere B Underground Transmission Line, being a designation that has not lapsed, be rolled over with modification. An updated legal description is sought to reflect the new title issued in November 2018. There is one condition and one advice note attached to this designation as detailed below. Deletion of the condition and advice are sought on the basis the condition related to the provision of an outline plan. The designation was accepted in 2017 (DES0008/18) and the outline plan was provided to Council on 7 June 2018.

TABLE 1:

Information Requirement	Operative Plan	Minor Corrections Requested
Ref.	DES0008/18	K2
Requiring Authority	Transpower New Zealand Limited	-
Area (ha)	1.96	-
Designated Purpose	National Grid Underground 110 kV Cables and Aboveground Cable Termination Structures and Ancillary Works – Protection only	-
Location	Puketaha Road	-
Legal Description	Lot 1 DPS 75657, Lot 4 DPS 64084	Lot 1 DPS 75657 , <u>Lot 2 DP 519326</u> , Lot 4 DPS 64084
Status Comment (lapsed/rollover/modify/new)	Carry forward	-
Underlying Environmental Area	Rural	-
Map No	N/A – IntraMaps. The Hamilton to Meremere Underground Cable and Cable Termination Structures is not yet shown on the IntraMaps.	Designation to be shown on IntraMaps. Section of overhead transmission line that was replaced to be removed from IntraMaps. GIS shape file provided.

MODIFICATION OF CONDITION FOR HAMILTON TO MEREMERE UNDERGROUND CABLE AND CABLE TERMINATION STRUCTURES (K2)

TABLE 1A:

Condition number	Condition	Relief Sought	Reason(s)
1	<i>As soon as practicable following completion of construction of the underground cable, the aboveground cable termination structures and ancillary works, the requiring authority shall provide as-built plans to the Council.</i>	Schedule 1 notice: Delete condition	The condition is now unnecessary, because construction has occurred, and the outline plan was provided to Council on 7 June 2018. The designation condition can be simplified by removing this completed condition.
		Hearing Evidence: Delete condition	
Advice Note	<i>Where section 176 approvals are required by utility operators (other than the requiring authority) for works within the designation the requiring authority will provide a timely response, in order to facilitate co-ordination of section 176 approvals sought by the utility operator and the Corridor Access Request process.</i>	Schedule 1 notice: Delete condition	The advice note is now unnecessary as the construction has occurred and Condition 1 complied with. The advice note repeats what is already required by the RMA.
		Hearing Evidence: Delete condition	

TE KOWHAI SUBSTATION (K5)

Transpower requests that the designation for the Te Kowhai Substation, being a designation that has not lapsed, be rolled over with modification. A more specific location is sought to be noted in the Proposed Plan, as detailed below, along with some changes to the conditions as detailed below. Note that the changes to conditions for the Te Kowhai Substation (K5) and the Te Kowhai Deviation A 220kV High Voltage Transmission Line (K6) apply to both designations, as set out and explained after Table 2A below.

TABLE 2:

Information Requirement	Operative Plan	Minor Corrections Requested
Ref.	K5	-
Requiring Authority	Transpower New Zealand Limited	-
Area (ha)	16.0334	-
Designated Purpose	Te Kowhai Substation (refer to Council file 69 03 022 for conditions on the designation)	-
Location	Bedford Road, Te Kowhai	196 Bedford Road, Te Kowhai
Legal Description	Lot 2 DP 343406, CT 178070	-
Status Comment (lapsed/rollover/modify/new)	Carry forward	-
Underlying Environmental Area	Rural	-
Map No	N/A – IntraMaps. The Te Kowhai Substation designation is shown correctly on the IntraMaps of the Operative Waikato District Plan.	-

TE KOWHAI DEVIATION A 220kV HIGH VOLTAGE TRANSMISSION LINE (K6)

Transpower requests that the designation for the Te Kowhai Deviation A, being a designation that has not lapsed, be rolled over with modification. A more specific legal description is sought to be noted in the Proposed Plan, as detailed below.

TABLE 2A:

Information Requirement	Operative Plan	Minor Corrections Requested
Ref.	K6	-
Requiring Authority	Transpower New Zealand Limited	-

Information Requirement	Operative Plan	Minor Corrections Requested
Area (ha)	12.3 (approx.)	-
Designated Purpose	Te Kowhai A 220kV High Voltage Transmission Line (refer to Council file 69 03 022 for conditions on the designation)	-
Location	Waipa Heights Road	-
Legal Description	Allot 58B2B2 Waipa Parish ML 17224, Lot 11 DPS 62333, Allot 48A Waipa Parish, Allot 48B Waipa Parish, Part Waipa Heights Road, Part of Bedford Road, Lot 1 DP 12498 and Lot 2 DP 12498	Allot 58B2B2 Waipa Parish ML 17224, Lot 11 DPS 62333, Allot 48A Waipa Parish, Allot 48B Waipa Parish, Part Waipa Heights Road, Part of Bedford Road, Lot 1 DP 12498 and Lot 2 DP 12498 <u>Allot 48A Waipa Parish, Allot 48B Waipa Parish, Section 1 SO Plan 383836, Lot 1 DP 12498, Lot 1, 3 DP 343406, Lot 11-12 DPS 62333, Lot 2 DP 343406, Lot 3-4 DP 338018, Part Bedford Road</u>
Status Comment (lapsed/rollover/modify/new)	Carry forward	-
Underlying Environmental Area	Rural	-
Map No	N/A – IntraMaps. The Te Kowhai Deviation A 220kV High Voltage Transmission Line designation is shown correctly on the IntraMaps of the Operative Waikato District Plan.	-

MODIFICATION OF CONDITIONS FOR TE KOWHAI SUBSTATION (K5) AND TE KOWHAI DEVIATION A 220KV HIGH VOLTAGE TRANSMISSION LINE (K6):

In rolling over the designations for the Te Kowhai Substation and Te Kowhai Deviation A 220kV high voltage transmission line, Transpower has sought simplification of the conditions that apply. The actions required by many of the conditions have been completed as they relate to construction activities that have occurred, or were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. Where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply.

Other conditions require updating, as they refer to documents that have been superseded by updated regulations and guidelines. Specific comments are as follows:

TABLE 2B:

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
1	Description of works	<p><i>The works to give effect to the designation of the substation and the line shall be generally in accordance with the plans and information submitted by Transpower New Zealand Limited in support of the Notice Requirement, including at the hearing, and the following plans of the proposed works, and subject to any amendments required by the conditions of this recommendation that follow:</i></p> <ul style="list-style-type: none"> a) <i>Substation Site Designation Plan: 106480852/40/55</i> b) <i>Connecting Transmission Line Route Designation Plan: 106480852/40/57</i> 	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Retain</p>	While the condition is mainly applicable to initial site works, retention of the condition is supported given it references the NOR generally.	Retain
2.1	Outline Plan	<p><i>Transpower New Zealand Limited shall submit an outline plan or plans to the Waikato District Council pursuant to the section 176A of the Resource Management Act 1991 prior to the commencement of construction works on the substation site or transmission line route. In addition to any other matters that the Council can require to be included in the Outline Plan or plans in accordance with section 176A(3)(f), the plan(s) shall incorporate the following documents as identified in subsequent conditions:</i></p> <p><u>Substation</u></p> <ul style="list-style-type: none"> a) <i>Landscape and Visual Mitigation Plan</i> b) <i>Design Details for Substation Lighting</i> c) <i>Transformer Bund Design Plan</i> d) <i>Oil Spill Management and Contingency Plan</i> e) <i>Earthworks and Construction Management Plan</i> f) <i>Signage Plan</i> <p><u>Substation Entrance and Access</u></p> <ul style="list-style-type: none"> g) <i>Traffic Management Plan</i> h) <i>Design Plans for the Substation Entrance, Access Road and Parking</i> i) <i>Earthworks and Construction Plan</i> j) <i>Signage Plan</i> <p><u>Transmission Line Corridor</u></p> <ul style="list-style-type: none"> k) <i>Traffic Management Plan</i> 	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Delete condition</p>	The condition is now unnecessary, because construction has occurred, and an outline plan was lodged with Council on 11 August 2004. The designation condition can be simplified removing this completed condition.	Delete

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
		l) <i>Signage Plan</i> m) <i>Design Plan for Tower 5</i>			
3.1(a) and (b)	Limits to the Scope of Designation	<i>3.1 The scope of activities to and works covered by the designation shall be limited in respect of the following:</i> a) <i>The substation switchyard is to be no greater than 1 hectare in area.</i> b) <i>No high voltage electrical substation structures are to be located outside the switchyard, other than the earth grid.</i>	Retain	Ongoing compliance conditions to be retained.	No change
4.1, 4.2(a)-(d)	Height	<i>4.1 The height of all the transmission towers shall be no greater than 35 metres.</i> <i>4.2 The height of equipment and buildings within the substation switchyard shall be as followed:</i> a) <i>Lighting and lightning poles – no greater than 16 metres,</i> b) <i>Telecommunication tower/pole – no greater than 40 metres,</i> c) <i>Line termination structure(s) – no greater than 30 metres,</i> d) <i>Except as otherwise provided, no building or equipment shall be greater than 10 metres.</i>	Retain	Ongoing compliance conditions to be retained.	No change
5.1	Transmission Tower Finish	<i>The structural components and conductors of all transmission towers will have a dulled grey matt finish.</i>	Retain	Ongoing compliance conditions to be retained.	No change
6.1	Substation Switchyard	<i>The gravel material to be placed on the base of the substation switchyard shall be of a grey colour.</i>	Retain	Ongoing compliance conditions to be retained.	No change
7.1	Resource Consents	<i>Prior to commencement of construction works, Transpower New Zealand Ltd shall obtain all necessary resource consents from the Waikato Regional Council and the Waikato District Council</i>	Schedule 1 notice: Delete condition	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this	Delete
			Hearing Evidence: Delete condition		

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
				completed condition. The requirement for regional consent applies regardless of the condition and therefore the condition is not required.	
8.1 and 8.2	Landscape Mitigation	<p>8.1 A landscape and Visual Mitigation Plan shall be prepared for the substation site and submitted within 6 months of confirmation of the designation to the Environmental Services Group Manager of Waikato District Council for approved in accordance with Condition 2.1.</p> <p>8.2 The Landscape Mitigation Plan shall include all mitigation measures outlined in the Notice of Requirement documentation and on the Hamilton New Point of Supply Indicative Planning Concept Plans – June 2003 (Figure 8) and September 2003 (Figure 11) prepared by Boffa Miskell Ltd. Figure 11 is to be amended to illustrate stock fencing around perimeter of all existing and proposed planting, and to include other fast growing species in addition to Pinus radiata in the areas of Woodlot Planting. The Landscape Mitigation Plan shall also include:</p> <ul style="list-style-type: none"> a) The identification of the botanical name, common name, size at time of planting, mature height, quantities and location of all mitigation planting. b) The height and location of any earth bunds or mounds created for visual, noise or other mitigation purposes. c) An implementation strategy identifying when the mitigation works will be undertaken. d) A maintenance schedule which will include strategies for weed and pest control. e) All landscape areas are to be appropriately stock fences (e.g. 7 wire post and batten fence) to prevent undergrazing. 	<p>Schedule 1 notice: Delete conditions 8.1 and 8.2</p> <p>Hearing Evidence: Retain conditions 8.1 and 8.2</p>	On the basis of conditions 8.3, 8.4 and 8.5, retain conditions 8.1 and 8.2.	Retain conditions 8.1 and 8.2

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
8.3, 8.4 and 8.5	Landscape Mitigation	<p>8.3 Transpower New Zealand Ltd shall report, annually for the first three years and then at five yearly intervals, to the Environmental Services Group Manager of the Waikato District Council, on the landscaping and planting works undertaken. The report shall describe what landscape mitigation work has occurred, any problems experienced, any remedial action as a consequence, the nature of ongoing work in progress, and the aims and objectives for the ensuing reporting period.</p> <p>8.4 With the exception of the "Woodlot Planting" (as defined in the Hamilton New Point of Supply Indicative Planting Concept – September 2003 (Figure 11)), all landscape mitigation planting shall be maintained in a satisfactory manner for the duration of the designation. Once a continuous canopy has been established, this maintenance shall include replanting of any gaps created by death of or damage to trees, in order to allow a continuous canopy to re-establish. The proposed "Woodlot Planting" shall be maintained until such time as the "Infill Terrace Planting" and "Permanent Screen Planting" has become sufficiently established to replace its screening function.</p> <p>8.5 The landscape mitigation plan shall be reviewed and amended as necessary by Transpower New Zealand Ltd, subject to the approval of the Environmental Services Group Manager of Waikato District Council, or alternatively, every 15 years from the date of the confirmation of the designation. Transpower New Zealand Ltd shall strictly adhere to the plan and all works required by the plan and shall undertake all works to the satisfaction of the Environmental Services Group Manager of Waikato District Council.</p>	Retain	Ongoing compliance conditions to be retained.	No change
9.1	Lighting	The illuminance of the site lighting installations shall not exceed 5 lux (lumens per square metre) spill (horizontal or vertical) of light at any window of a dwelling located on the balance property or adjacent properties.	Retain	Ongoing compliance condition to be retained.	No change
9.2	Lighting	Prior to commencement of construction works, Design Details for Substation Lighting shall be submitted for approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1.	Schedule 1 notice: Delete condition	The condition is now unnecessary, because construction has occurred. The	Delete

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
			Hearing Evidence: Delete condition	designation conditions can be simplified by removing this completed condition.	
10.1	Noise	<p><i>The noise level from activities within the substation site shall not exceed the following limits when measured on the site boundary:</i></p> <ul style="list-style-type: none"> <i>a) 45dBA (L10) Monday to Friday 7:00am to 7:00pm</i> <i>b) 45dBA (L10) Saturday 7:00am to 6:00pm</i> <i>c) 35dBA (L10) At all other times including Public Holidays</i> <p><i>Note: The above limits include a 5dBA penalty for the tonal component of noise emissions from transformers. No further adjustment for the presence of special audible characteristics is required.</i></p>	<p>Schedule 1 notice: Retain</p> <p>Hearing Evidence: Update</p>	Update the condition to refer to the current New Zealand Standard for assessing noise.	<p><i>The noise level from activities within the substation site shall not exceed the following limits when measured on the site boundary:</i></p> <ul style="list-style-type: none"> <i>a) 45dBA (L10 LAeq) Monday to Friday 7:00am to 7:00pm</i> <i>b) 45dBA (L10 LAeq) Saturday 7:00am to 6:00pm</i> <i>c) 35dBA (L10 LAeq) At all other times including Public Holidays</i> <p><i>Note: The above limits include a 5dBA penalty for the tonal</i></p>

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
					<i>component of noise emissions from transformers. No further adjustment for the presence of special audible characteristics is required.</i>
10.2	Noise	<i>Subject to the allowance already made in 10.1 for special audible characteristics, noise levels shall be measured in accordance with the requirements of 'NZS6801:1991 Measurement of Sound' and assessed in accordance with the requirements of 'NZS6802:1991 Assessment of Environmental Sound'. Noise from construction activities shall not exceed the limits recommended in, and shall be measured and assessed in accordance with, 'NZS6803:1999 Acoustics – Construction Noise'.</i>	<p>Schedule 1 notice: Update</p> <p>Hearing Evidence: Update</p>	<p>Update the condition to refer to the current New Zealand Standard for assessing noise.</p> <p>Note that the cross reference to condition number 10.1 will need to be updated.</p>	<p><i>Subject to the allowance already made in 10.1 for special audible characteristics, noise levels shall be measured in accordance with the requirements of 'NZS6801:19912008 Measurement of <u>Environmental</u> sound' and assessed in accordance with the requirements of 'NZS6802:19912008 <u>Acoustics – Environmental Sound</u>. Noise from construction activities shall not exceed the limits recommended in,</i></p>

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
					<i>and shall be measured and assessed in accordance with, 'NZS6803:1999 Acoustics – Construction Noise'.</i>
10.3	Noise	<i>Within 3 months of the substation becoming operational, noise levels at the boundary of the designated substation site shall be measured to determine compliance with Condition 10.1 and the results shall be forwarded to the Environmental Services Group Manager of Waikato District Council within 1 month of the measurements being completed.</i>	Retain	Even though this condition has been completed post construction, it should be retained because it is relevant to the procedures required by condition 10.5. Note that the condition cross reference will need to be renumbered.	No change
10.4	Noise	<i>If the results of the noise measurements taken as required by Condition 10.3 do not comply with the standard specified in Condition 10.1, Transpower New Zealand Ltd shall carry out necessary noise attenuation measures (e.g. the installation of acoustic barriers) within three month and repeat noise level measurements at the boundary of the designated site within three months of the noise attenuation measures being in place. Measurements demonstrating compliance shall be forwarded to the Environmental Services Group Manager of Waikato District Council within 1 month of the measurements being completed.</i>	Retain	This condition is related to Condition 10.3 and the required actions have been completed. The designation conditions can be	No change

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
				simplified by removing this completed condition.	
10.5	Noise	<i>If any change in type or increase in numbers of transformers takes place on the substation site after the date of confirmation of the designation, the Environmental Services Group Manager of Waikato District Council shall be advised and the procedures as set out in Conditions 10.3 and 10.4 above shall be undertaken to demonstrate compliance with Condition 10.1</i>	Retain	Ongoing compliance condition to be retained.	No change
11.1	EMF (Electromagnetic Fields)	<i>In those areas of the site to which the public has access, electric and magnetic fields' strengths shall comply with the guidelines for public exposure to electric and magnetic fields as published in 1998 by the International Commission on Non- Ionizing Radiation Protection (ICNIRP</i>	Schedule 1 notice: Update	Update to refer to the current version of the standard for measuring electric and magnetic fields.	<i>"In those areas of the site to which the public has access, electric and magnetic field strengths shall comply with the guidelines for public exposure to electric and magnetic fields as published in 1998 by the International Commission on Non-Ionizing Radiation Protection."</i> <u>The Electromagnetic Fields (EMF) at or beyond the secure boundary of the substation</u>
			Hearing Evidence: Update	<p>This correction is consistent with policy 9 of the National Policy Statement on Electricity Transmission which provides:</p> <p><i>"Provisions dealing with electric and magnetic fields associated with the electricity transmission network must be based on the International Commission on Non-Ionising Radiation</i></p>	

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
				<p><i>Protection Guidelines for limiting exposure to time varying electric magnetic and electromagnetic fields (up to 300 GHz) (Health Physics, 1998, 74(4): 494-522) and recommendations from the World Health Organisation monograph Environmental Health Criteria (No 328, June 2007) or revisions thereof and any applicable New Zealand standards or national environmental standards."</i></p> <p>In addition, this condition only covers exposures on the 'site', it should protect the public off of the site also.</p>	<p><u>site shall not exceed the International Commission on Non-Ionising Radiation Protection Guidelines, for limiting exposure to time-varying electric and magnetic fields (1Hz – 100kHz) (Health Physics, 99(6):818-836; 2010) (ICNIRP guidelines) to public reference levels of 5 kv/m for electric fields and 200 µT for magnetic flux density at one metre above ground level under maximum normal operating conditions (ie, when there are no faults in the transmission system).</u></p>

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
11.2	EMF (Electromagnetic Fields)	<i>Within 3 months of the substation becoming operational, EMF levels in those areas of the site to which the public has access shall be measured to determine compliance with the guidelines for public exposure as detailed in Condition 11.1 and the results shall be forwarded to the Environmental Services Group Manager of Waikato District Council within 1 month of the measurements being completed.</i>	Schedule 1 notice: Delete condition	This condition has been completed and is no longer necessary. The designation conditions can be simplified by removing this completed condition. The report was forwarded to Council on 3 March 2008.	Delete
			Schedule 1 notice: Delete condition		
11.3	EMR (Electromagnetic Radiation)	<i>The Telecommunications facility on the site shall be operated so that it satisfies the requirements of NZS 2772.1:1999 in respect of all areas of the site to which the public may have access.</i>	Retain	Ongoing compliance condition to be retained.	No change
11.4	Security Fence and Signs	<i>A security fence is to be erected around the substation. Warning signs are to be placed on this fence and a sign identifying the site as being owned by Transpower New Zealand Limited is to be erected at the Bedford Road site entrance. Signs shall be attached to transmission line support structures with a warning not to climb the structure. All signage details shall be submitted for approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1.</i>	Schedule 1 notice: Delete condition	This condition has been completed and is no longer necessary. The designation conditions can be simplified by removing this completed condition.	Delete
			Hearing Evidence: Delete condition		
11.6	Hazardous Substances	<i>The substation shall be operated in accordance with Transpower New Zealand Limited TP:GS.54.01 for Oil Spill Management. In addition, the requirements of the Hazardous Substances and New Organisms Act 1996 and Regulations shall apply to any classified hazardous stored or used on site.</i>	Schedule 1 notice: Retain condition Hearing Evidence: Update condition	Update condition to reflect the standards for Oil Spill Management have been rehoused within TP.SS 05.10. The	<i>On site oil containment kits shall be stored on site for containment and cleanup of oil spills from switchyard equipment</i>

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
				standards remain unchanged.	ent in accordance with Transpower's <u>Environmental management of existing assets</u> Oil Spill Management Standard (TP.GS 54.01-TP.SS 05.10) such that if any spill occurs that they be contained before discharging into or contaminating any nearby drains and waterways.
11.7	Hazardous Substances	Prior to construction, and in accordance with TP.GS.54.01 for Oil Spill Management, a Transformer Bund Design Plan and an Oil Spill Management and Contingency Plan shall be submitted for approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1. The Transformer Bund Design Plan shall include, but not be limited to, the following: <ul style="list-style-type: none"> a) Selection of spill contaminant volumes based on the quantity of oil in the transformers b) Methods of containment c) Methods of separation d) Methods of stormwater and oil disposal 	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	This condition is now unnecessary because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete
12.1	Roading	Prior to construction works at the substation site, all final construction drawings of the access and parking area (including drainage details), and identifying the location of any structures within the Bedford Road reserve, shall be prepared and submitted for	Schedule 1 notice: Delete condition	This condition is now unnecessary because construction has occurred. The	Delete

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
		<i>approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1</i>	Hearing Evidence: Delete condition	designation conditions can be simplified by removing this completed condition.	
12.2	Roading	<p><i>Prior to the construction activities, a Traffic Management Plan relating to construction works and the use of Bedford Road, Te Puroa Road and Waipa Heights Road shall be prepared and submitted for approved by the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1. The Traffic Management Plan shall include the following matters:</i></p> <ul style="list-style-type: none"> <i>a) Measures to advise users of Waipa Heights Road, Te Puroa Road and Bedford Road when heavy vehicle movements will occur along the road for construction purposes;</i> <i>b) Notification to WDC Roading Staff of the commencement and completion dates of construction works;</i> <i>c) The traffic safety measures to be put in place along the route to minimise the traffic safety risks and time delays for other motorists.</i> <i>d) The routing of construction traffic to the substation site; and</i> <i>e) In consultation with Waikato District Council, Transpower New Zealand Limited shall undertake inspections of Bedford road before and after super heavy loads are delivered to the substation. If any damage is identified in the inspection after super heavy loads have been delivered to the substation, Transpower New Zealand Limited shall pay for the repair of road infrastructure.</i> 	Schedule 1 notice: Delete condition	This condition is now unnecessary because construction has occurred. The designation conditions can be simplified by removing this completed condition. The plan was prepared in August 2004.	Delete
			Hearing Evidence: Delete condition		
12.3	Roading	<p><i>Prior to construction work commencing, Transpower New Zealand Limited will construct an entranceway at the junction of the designation access corridor and Bedford Road to meet the standard set out in Waikato District Council plan No. TSG- E1. All final construction drawings of the entranceway shall be prepared and submitted for approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1</i></p>	Schedule 1 notice: Delete condition	This condition is now unnecessary because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete
			Hearing Evidence: Delete condition		

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
13.1	Engineering	<p><i>Prior to the commencement of construction works, an Earthworks and Construction Management Plan will be prepared and submitted for approval of the Environmental Services Group Manager of Waikato District Council. The plan shall detail the following:</i></p> <ul style="list-style-type: none"> <i>a) The proposed earthworks methodology. In particular the stripping of vegetation, overburden and soil shall be kept to a minimum and cleared areas will be limited to only those areas where works is about to commence.</i> <i>b) Details of earthworks and silt control measures; and</i> <i>c) Dust and noise control methodologies.</i> 	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Delete condition</p>	This condition is now unnecessary because construction has occurred. The designation conditions can be simplified by removing this completed condition. The accessway has been constructed.	Delete
13.2	Engineering	<i>No construction works are to take place (except landscape planting and stock fencing), or structures placed, within the western escarpment adjacent to the Waipa River or the northern escarpment where the remnant Kahikatea stand is located.</i>	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Retain</p>	While the condition primarily relates to construction, given it references structures, it is accepted to be retained.	No change
13.3	Engineering	<i>Prior to the commencement of construction works, a Design Plan for Tower 5 shall be prepared in accordance with the recommendations of the report titled 'Transpower Hamilton New Point of Supply – Site 5 – Geotechnical Assessment' by the Merilee and dated June 2003, and shall be submitted for approval to the Environmental Services Group Manager of Waikato District Council in accordance with Condition 2.1.</i>	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Delete condition</p>	This condition is now unnecessary because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete
14.1	Archaeological	<i>If any urupa, traditional sites, taonga (significant artefacts), koiwi (human remains), or other archaeological sites are exposed during site works then the following procedures shall apply:</i>	Schedule 1 notice: Delete condition	Retain for the avoidance of doubt.	No change

Condition number	Condition Heading	Operative Condition	Transpower Relief	Reason(s)	Amended Condition
		<p>a) <i>Immediately it becomes apparent that an urupa, traditional site, taonga, koiwi or other archaeological site has been exposed, all site works in the immediate vicinity shall cease.</i></p> <p>b) <i>The site supervisor shall immediately secure the area in a way that ensures that any artefacts or remains are not further disturbed.</i></p> <p>c) <i>The site supervisor shall notify tangata whenua, including Turangawaewae Trust Board and Waikato Raupatu Lands Trust, the New Zealand Historic Places Trust, the Department of Conservation, the Waikato District Council, and, in the case of human remains, the NZ Police, that an archaeological or traditional site has been exposed and so that appropriate action can be taken. This includes such persons being given reasonable time as determined by the Council to record and recover archaeological features discovered before work may recommence on the site.</i></p>	<p>Hearing Evidence: Retain condition</p>		
15.1	Recovery of Costs	<i>Pursuant to section 36 of the Resource Management Act 1991, the actual and reasonable costs incurred by Waikato District Council in monitoring conditions of this recommendation shall be paid by Transpower New Zealand Ltd.</i>	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Retain</p>	Given conditions are to remain, the condition is reasonable.	No change

OHINEWAI SWITCHING STATION (K7)

Transpower requests that the designation for the Ohinewai Switching Station, being a designation that has not lapsed, be rolled over with modification. A more specific legal description, correct site area and address are proposed to be incorporated, along with updates to conditions to reflect the fact that construction is complete and reference current guidelines and standards.

TABLE 3:

Information Requirement	Operative Plan	Minor Corrections Requested
Ref.	K7	-
Requiring Authority	Transpower New Zealand Limited	-
Area (ha)	120	28.695
Designated Purpose	Ohinewai Switching Station	Ohinewai Switching Station (<u>refer conditions below</u>)
Location	32 Storey Road, Waiterimu	<u>532 480</u> Storey Road, Waiterimu
Legal Description	Lots 3 and 4 DP 37383, Lot 2 DPS 89160	<u>Lot 3-4 DP 459363</u>
Status Comment (lapsed/rollover/modify/new)	Carry forward	-
Underlying Environmental Area	Rural	-
Map No	N/A – IntraMaps The Ohinewai Switching Station designation is shown correctly on the IntraMaps of the Operative Waikato District Plan.	-

MODIFICATION OF CONDITIONS FOR OHINEWAI SWITCHING STATION (K7)

In rolling over the designations for the Ohinewai Switching Station, Transpower has sought simplification of the conditions that apply. The actions required by many of the conditions have been completed – as they related to construction activities that have occurred or were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. A letter from Council dated 13 December 2013 confirmed all conditions are compliant. Where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply.

Other conditions require updating, as they refer to documents that have been superseded by updated regulations and guidelines. Specific comments are as follows:

TABLE 3A:

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
1.1	Description of works	<i>The works to give effect to the designation of the switching station, transmission lines and ancillary facilities shall be generally in accordance with the plans and information submitted by Transpower New Zealand Limited in support of the Notice Requirement for and Alteration to Designated lodged on the 25 March 2013 (and including the following plans of the proposed works, and subject to any amendments required by the conditions of this recommendation that follow: (b) Lots 1, 2, 3, 4 and 6 being a subdivision of Lots 1, 3 and 4 DP 37383, Lot 1 DPS 13770 and Lot 2 DPS 89160 prepared by CKL, ref P3148, Page 5 of 6 dated 20/11/2012.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Retain condition	Given the generic nature of the condition, it is recommended to remain.	No change
2.1	Outline Plan	<i>Transpower New Zealand Limited shall submit an outline plan or plans to the Waikato District Council pursuant to section 176A of the Resource Management Act 1991 prior to the commencement of construction works on the switching station site. In addition to any other matters required to be included in the Outline Plan or plans in accordance with section 176A(3)(f), the plan(s) shall incorporate the following documents as identified in subsequent condition: a) Landscape Mitigation Plan; b) Lighting Management Plan; c) Earthworks and Construction Management Plan; d) Stormwater Management Plan e) Traffic Management Plan; and f) Road Works Plan</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred and the requirement for an outline completed. The designation conditions can be simplified by removing this completed condition. Refer to letter 13 Dec 2013.	Delete
3.1	Limits to the Scope of Designation	<i>No works shall occur within 50 metres of the designation boundary with the exception of the following: a) The existing transmission lines; b) The access road described in the NOR; c) Landscape planting; and d) Upgrading in accordance with the designated purpose.</i>	Retain	Ongoing compliance condition to be retained.	No change

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
4.1	Height	<i>The maximum height of the new transmission towers shall be as identified in the NOR (T305A = 49 metres; T634A = 28 metres; T633A = 52 metres), allowing for minor adjustments to height as an outcome of detail engineering design (with 5% tolerance).</i>	Retain	Ongoing compliance condition to be retained.	No change
4.2	Height	<i>The maximum height of buildings and structures shall be as identified in the NOR, allowing for minor adjustments to height as an outcome of detailed engineering design.</i>	Retain	Ongoing compliance condition to be retained.	No change
5.1	Landscape Mitigation	<i>A landscape Mitigation Plan shall be prepared for the switching station site and submitted to the Waikato District Council in accordance with Condition 2.1.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this completed condition. Outline plans have been submitted.	Delete
5.2	Landscape Mitigation	<i>The Landscape Mitigation Plan shall include all mitigation measures outlined in the NOR documentation and as confirmed at the Hearing on the 13 December 2006, for the avoidance of doubt this includes extended planting of the row of trees on the switching platform to the edge of the platform, and includes extended planting of the row of trees west of the platform up towards the edge of the access road. The Landscape Mitigation Plan shall include, but not be limited to, the following:</i> <i>a) The identification of the botanical name, common name, size at time of planting, mature height, quantities and location of all mitigation planting;</i> <i>b) An implementation strategy identifying when the mitigation works will be undertaken, including areas that can be planted prior to construction where they will not be affected by construction activities;</i> <i>c) An establishment and maintenance schedule to include strategies for fertilisation, irrigation, weed and pest control; and</i> <i>All landscape areas are to be appropriately stock fenced (e.g. 7 wire post and batten fence to prevent undergrazing).</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
5.3	Landscape Mitigation	<i>Transpower New Zealand Ltd shall report annually for the first two years and then a final report three years later, to the Waikato District Council, on the landscaping and planting works undertaken. The report shall describe what landscape mitigation work has occurred, any problems experienced, any remedial action as a consequence, the nature of ongoing work in progress, and the aims and objectives for the ensuing reporting period.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred and the post construction reporting requirements have been completed. The designation conditions can be simplified by removing this completed condition.	Delete
5.4	Landscape Mitigation	<i>All landscape mitigation planting shall be maintained in a satisfactory manner for the duration of the designation. Once a continuous row and/or canopy has been established, this maintenance shall include replanting of any gaps created by death or damage of trees, in order to allow a continuous row and/or canopy to re-establish.</i>	Retain	Ongoing compliance condition to be retained.	No change
5.5	Landscape Mitigation	<i>The Landscape Mitigation Plan shall be reviewed and amended as necessary by Transpower New Zealand Ltd and submitted to the Waikato District Council, every 5 years (or sooner if considered by Transpower to be desirable) from the date the original Plan is submitted under Condition 2.1. Transpower New Zealand Ltd shall adhere to and undertake and maintain all works required by the Landscape Mitigation Plan.</i>	Retain	Ongoing compliance condition to be retained.	No change
6.1	Lighting	<i>The illuminance of the site lighting installations should not exceed: 5 lux (lumens per square metre) spill (horizontal or vertical) of light at any window of any existing dwellings located on adjacent properties.</i>	Retain	Ongoing compliance condition to be retained.	No change
6.2	Lighting	<i>Prior to commencement of construction works, a Lighting Management Plan submitted to Waikato District Council in accordance with Condition 2.1. include, but not be limited to, the following:</i> a) <i>The design details for the switching station lighting and any other lighting on the site.</i> <i>Advice Note: 6.2.1 A mechanism/system to enable full illumination of the switchyard platform to occur gradually/progressively over a period of between 2-5</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred and the requirement was prior to construction. The designation conditions can be simplified by	Delete

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<i>minutes is recommended to prevent the potential for startling stock when emergency lighting is turned on.</i>		removing this completed condition.	
7.1	Noise	<i>Noise from construction activities shall not exceed the limits recommended in, and shall be measured and assessed in accordance with, 'NZS6803:1999 Acoustics – Construction Noise'.</i>	Retain	Ongoing compliance condition to be retained.	No change
7.2	Noise	<p><i>The noise level from activities within the switching station site shall not exceed the following limits when measured on the site boundary:</i></p> <ul style="list-style-type: none"> <i>a) 50dBA (L10) Monday to Friday 7:00am to 7:00pm</i> <i>b) 50dBA (L10) Saturday 7:00am to 6:00pm</i> <i>c) 40dBA (L10) At all other times including Public Holidays</i> 	<p>Schedule 1 notice: Retain</p> <p>Hearing Evidence: Update</p>	A change is sought to the limits to LAeq to align with the modern basis for assessment set out in the revised NZ standard NZS 6802 referred to in Condition 7.3	<p><i>The noise level from activities within the switching station site shall not exceed the following limits when measured on the site boundary:</i></p> <ul style="list-style-type: none"> <i>a) 50dBA (L10LAeq) Monday to Friday 7:00am to 7:00pm</i> <i>b) 50dBA (L10LAeq) Saturday 7:00am to 6:00pm</i> <i>40dBA (L10LAeq) At all other times including Public Holidays</i>
7.3	Noise	<i>Noise levels shall be measured in accordance with the requirements of 'NZS6801:1991 Measurement of Sound' and assessed in accordance with the</i>	Schedule 1 notice: Update	Update the condition to refer to the current New	<i>"Noise levels shall be measured in</i>

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<i>requirements of 'NZS6801:1991 Assessment of Environmental Sound'.</i>	Hearing Evidence: Update	Zealand Standard for assessing noise.	<i>accordance with the requirements of 'NZS6801:1991200 8 Measurement of <u>Environmental</u> Sound' and assessed in accordance with the requirements of 'NZS6802:1991200 8 Acoustics – <u>Environmental Sound</u>."</i>
8.1	Earthworks and Engineering	<p><i>Prior to the commencement of earthworks and construction, an Earthworks and Construction Management Plan shall be prepared and submitted to Waikato District Council in accordance with Condition 2.1. It shall include but not be limited to, the following:</i></p> <ul style="list-style-type: none"> <i>a) The proposed earthworks and silt control methodology in accordance with the proposed 'Erosion and Sediment Control Plan' included in the NOR and in accordance with conditions imposed on the Land Disturbance Consent (I 1 5098) issued by Waikato Regional Council. In particular the, stripping of vegetation, overburden and subsoil shall be kept to a minimum and cleared areas will be limited to only those areas where work is about to commence;</i> <i>b) Detail the material (imported material shall be clean fill only), source, use, disposal and treatment.</i> <i>c) Proposed depth of fill, volume, cross sections and final contours;</i> <i>d) Detail silt control and stormwater management proposed during construction; and</i> <i>e) Detail dust and noise control methodologies.</i> 	Schedule 1 notice: Delete condition	The condition is now unnecessary, because construction has occurred and was pre site works. The designation conditions can be simplified by removing this completed condition.	Delete
			Hearing Evidence: Delete condition		

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
8.2	Earthworks and Engineering	<p><i>A geotechnical completion report shall be submitted to Waikato District Council for the earthworks carried out. This report shall include, but not be limited to, the following details:</i></p> <ul style="list-style-type: none"> <i>a) A final contour plan;</i> <i>b) A fill excavated or placed on the site shall be clearly indicate on a site plan. All fill shall either be certified as being suitable for development or otherwise identified as unsuitable by a chartered professional engineer;</i> <i>c) The depth of the fill and/or cut;</i> <i>d) Include cross sections of the original slope and the slope of the fill material; and</i> <i>e) Provide evidence that a minimum of 1.5 factor of safety is obtained on all cut and fill slopes.</i> 	<p>Schedule 1 notice: Delete condition</p>	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete
			<p>Hearing Evidence: Delete condition</p>		
9.1	Stormwater Management	<p><i>A Stormwater Management Plan for ongoing management of stormwater at the site after construction is complete shall be prepared by a suitably qualified person and submitted to Waikato District Council in accordance with Condition 2.1. Runoff shall be maintained to greenfield rates to mitigate the impact of peak events on downstream infrastructure. The plan shall include, but not be limited to, the following:</i></p> <ul style="list-style-type: none"> <i>a) A site plan showing all existing flow paths and proposed drainage works;</i> <i>b) Drainage works to allow land drainage from the switchyard and also from the proposed road, to be collected and discharged appropriately; and</i> <i>c) Design plans for the works need to include:</i> <ul style="list-style-type: none"> <i>i) Diametres, length and gradients of any pipes, flumes and culverts;</i> <i>ii) Collection and disposal point details including erosion prevention at any disposal outlets;</i> <i>iii) Calculations to support the sizes selected. Calculations should be on the total catchment area, which may include areas outside the property boundaries of the designated site. And consideration may need to be given to temporary drainage provisions during construction that enlarge some culvert catchment areas.</i> 	<p>Schedule 1 notice: Delete condition</p>	The condition is now unnecessary, because construction has occurred and the outline plan submitted. The designation conditions can be simplified by removing this completed condition.	Delete
			<p>Hearing Evidence: Delete condition</p>		
9.2	Stormwater Management	<p><i>As-built plans showing the land drainage works and any secondary flowpaths shall be submitted to Waikato District Council</i></p>	<p>Schedule 1 notice: Delete condition</p>	The condition is now unnecessary, because construction has	Delete

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
			Hearing Evidence: Delete condition	occurred. The designation conditions can be simplified by removing this completed condition. Council confirmed the condition was met on 21 January 2013.	
10.1	Archaeological	<p><i>If any urupa, traditional site, taonga (significant artefacts), koiwi (human remains), or other archaeological sites are exposed during site works then the following procedures shall apply:</i></p> <ul style="list-style-type: none"> <i>a) Immediately it becomes apparent that an urupa, traditional site, taonga, koiwi or other archaeological site has been exposed, all site works in the immediate vicinity shall cease;</i> <i>b) The site supervisor shall immediately secure the area in a way that ensures that any artefacts or remains are not further disturbed; and</i> <i>c) The site supervisor shall notify tangata whenua, including Nga Muka Development Trust, the New Zealand Historic Places Trust, the Department of Conservation, the Waikato District Council, and, in the case of human remains, the NZ Police, that an archaeological or traditional site has been exposed so that appropriate action can be taken. This includes such persons being given reasonable time as determined by the Council to record and recover archaeological features discovered before work may recommence on the site.</i> 	Schedule 1 notice: Delete condition Hearing Evidence: Retain condition	Retain condition as provides an archaeological protocol.	No change
11.1	Roading & Traffic	<p><i>A Traffic Management Plan relating to works to be carried out in the road reserve (localised intersection widening) and the use of Storey Road shall be prepared and submitted to Waikato District Council in accordance with Condition 2.1. The Traffic Management Plan shall include, but not be limited to, the following matters:</i></p> <ul style="list-style-type: none"> <i>a) Notification to WDC Reading Staff of the commencement and completion dates of construction works;</i> <i>b) The traffic safety measures to be put in place along the route to minimise the traffic safety risks and time delays for other motorists;</i> 	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	The condition is now unnecessary, because construction has occurred and the outline plan process completed. The designation conditions can be simplified by	Delete

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>c) <i>Evidence of consultation undertaken with WDC Reading Staff with regard to any overweight or oversize loads; and</i></p> <p>d) <i>A Traffic Route Plan indicating the route to be used for accessing the site (from the south) as indicated on the application.</i></p>		removing this completed condition.	
11.2	Roading & Traffic	<p><i>A Road Works Plan relating to works to be carried out for the proposed site entrance, the wheel wash, access road, localised intersection widening on Storey Road, improvements to the site access intersection, shall be prepared and submitted to the Waikato District Council in accordance with Condition 2.1. The Road Works Plan shall include and require the formation, prior to construction works on site, of the following matters and include engineering drawings of items c), d), e) and f):</i></p> <p>a) <i>The proposed entrance to the site at the location as indicated on the application plan and constructed in accordance with Waikato District Council Plan No.1 TSG- EI (Heavy Commercial);</i></p> <p>b) <i>The wheel wash in the outgoing lane of the access road 30 metres prior to the entrance with Storey Rd in accordance with the Erosion with Sediment Control Plan submitted in the application.</i></p> <p>c) <i>Localised intersection widening on Storey Road at the intersection of the site access road in accordance with Figure 5 of Waikato District Council's Code of Practice;</i></p> <p>d) <i>A high strength surface for turning vehicles on Storey Road at the intersection of the site access road, or maintenance during the construction period and a reseal at the completion of the works,</i></p> <p>e) <i>A sealed 6-metre-wide access road generally in accordance with the plans submitted in the application; and</i></p> <p>f) <i>Six (6) carparks and sufficient turning area adjacent to the control building in general accordance with Figure 4 of Waikato District Council's Code of Practice and that the surface shall be sealed with an all weather surfacing.</i></p>	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Delete condition</p>	The condition is now unnecessary, because construction has occurred and the outline plan process completed. The designation conditions can be simplified by removing this completed condition.	Delete
12.1	Waikato District Council Legal Road (unformed)	<i>Any activities or the designation from Transpower will not prevent Waikato District Council from constructing and maintaining a public road over the alignment of the existing paper road.</i>	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Retain</p>	Ongoing compliance condition to be retained.	No change

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
12.2	Waikato District Council Legal Road (unformed)	<i>If, in the event that any dust that might arise from the Waikato District Council road is of concern to Transpower or its operations, then that Transpower will seal the section of road at its cost.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Retain	Ongoing compliance condition to be retained.	No change
12.3	Waikato District Council Legal Road (unformed)	<i>Should Transpower wish to install any services across or under the existing paper road corridor, it has obtained written approval from Waikato District Council (approval which will not be unreasonably withheld) to cross the road, and that it agree to the location and depth of such services with Council prior to their construction.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Retain	Ongoing compliance condition to be retained.	No change
12.4	Waikato District Council Legal Road (unformed)	<i>Should Waikato District Council choose to construct a road at some stage in the future, and any services installed within the road corridor need to be relocated or shifted as a consequence of the road construction, then the cost of any relocation of services thereof shall be 100% borne by Transpower.</i>	Retain	Ongoing compliance condition to be retained.	No change
13.1	Health & Safety	<i>Radio frequency emissions from the telecommunications installation shall comply with NZS2772: Part 1: 1999 (Radio Frequency Fields).</i>	Retain	Ongoing compliance condition to be retained.	No change
13.2	Health & Safety	<i>Electric and magnetic fields shall comply with guidelines for public exposure to electric and magnetic fields as published in 1998 by the International Commission on Non-Ionizing Radiation Protection (ICNIRP).</i>	Schedule 1 notice: Update	Update to refer to the current version of the standard for measuring	"Electric and magnetic fields shall comply with guidelines for public

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
			Hearing Evidence: Update	<p>electric and magnetic fields.</p> <p>This correction is consistent with policy 9 of the National Policy Statement on Electricity Transmission which provides: <i>"Provisions dealing with electric and magnetic fields associated with the electricity transmission network must be based on the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time varying electric magnetic and electromagnetic fields (up to 300 GHz) (Health Physics, 1998, 74(4): 494-522) and recommendations from the World Health Organisation monograph Environmental Health Criteria (No 328, June</i></p>	<p>exposure to electric and magnetic fields as published in 1998 by the International Commission on Non-Ionising Radiation Protection (ICNIRP)."</p> <p><u>The Electromagnetic Fields (EMF) exposure at or beyond the secure boundary of the substation site shall not exceed the International Commission on Non-Ionising Radiation Protection Guidelines, for limiting exposure to time-varying electric and magnetic fields (1Hz – 100kHz) (Health Physics, 99(6):818-836; 2010) (ICNIRP</u></p>

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
				<p>2007) or revisions thereof and any applicable New Zealand standards or national environmental standards.”</p> <p>This condition isn't specific about who and where the guidelines should be complied with. For example it could apply to work areas within the site for which the occupational limits within the same guidelines would be applicable.</p>	<p><u>guidelines) to public reference levels of 5 kv/m for electric fields and 200 µT for magnetic flux density at one metre above ground level under maximum normal operating conditions (ie, when there are no faults in the transmission system).</u></p>
13.3	Health & Safety	A security fence is to be erected around the switching station platform to a maximum height of 3.6 metres.	Schedule 1 notice: Delete condition	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete
			Hearing Evidence: Delete condition		
13.4	Health & Safety	Any signs that might be placed at the site entrance shall comply with the signage provisions of the Operative and Proposed Waikato District Plans	Schedule 1 notice: Delete condition	The condition should remain as would apply to any new signs at the site.	No change
			Hearing Evidence: Retain condition		

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
14.1	Hazardous Substances	<i>On site oil containment kits shall be stored on site for containment and cleanup of oil spills from switchyard equipment in accordance with Transpower's Oil Spill Management Standard (TP.GS 54.01) such that if any spill occurs that they be contained before discharging into or contaminating any nearby drains and waterways.</i>	<p>Schedule 1 notice: Retain condition</p> <p>Hearing Evidence: Update condition</p>	Update condition to reflect the standards for Oil Spill Management have been rehoused within TP.SS 05.10. The standards remain unchanged.	<i>On site oil containment kits shall be stored on site for containment and cleanup of oil spills from switchyard equipment in accordance with Transpower's <u>Environmental management of existing assets</u> Oil Spill Management Standard (TP.GS 54.01-TP.SS 05.10) such that if any spill occurs that they be contained before discharging into or contaminating any nearby drains and waterways.</i>
15.1	Community Liaison	<p><i>Transpower New Zealand Ltd shall undertake, for the duration of construction at the site, ongoing consultation and liaison with the submitters (A Holden & L Scott; CR & SA Baker; DG Waugh; Waiterimu Golf Club; Nga Muka Development Trust), which shall include but not be limited to:</i></p> <ul style="list-style-type: none"> <i>a) Contact details of the site manager and Transpower's contracts manager;</i> <i>b) Quarterly written advice that provides reasonable information regarding the construction activities taking place; and</i> <i>c) The offer of a formal post construction site visit opportunity. Any such site visit shall exclude entry to the fenced switch yard area.</i> 	<p>Schedule 1 notice: Delete condition</p> <p>Hearing Evidence: Delete condition</p>	The condition is now unnecessary, because construction has occurred. The designation conditions can be simplified by removing this completed condition.	Delete

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
16.1	Recovery of Costs	<i>Pursuant to section 36 of the Resource Management Act 1991, the actual and reasonable costs incurred by Waikato District Council in monitoring conditions of this designation shall be paid by Transpower New Zealand Ltd.</i>	Schedule 1 notice: Delete condition	Given conditions are to remain, the condition is reasonable.	No change
			Hearing Evidence: Retain condition		

BROWNHILL ROAD TO WHAKAMARU NORTH OVERHEAD TRANSMISSION LINE (K8)

Transpower requests that the designation for the Brownhill Road to Whakamaru North Overhead Transmission Line, being a designation that has not lapsed, be rolled over with modification.

TABLE 4:

Information Requirement	Operative Plan	Minor Corrections Requested
Ref.	K8 and 152	-
Requiring Authority	Transpower New Zealand Limited	-
Area (ha)		-
Designated Purpose	400kV-capable transmission line between Auckland and Whakamaru as part of upper North Island Grid Upgrade project (refer to Council file DES0011/07 for legal descriptions of land and conditions on the designation)	400kV-capable transmission line between Auckland and Whakamaru as part of upper North Island Grid Upgrade project (refer to Council file DES0011/07 for legal descriptions of land and conditions on the designation) <u>Brownhill Road to Whakamaru North Overhead 400kV Transmission Line (refer below for legal descriptions of land and conditions on the designation)</u>
Location	That part of the line within Waikato District	-
Legal Description	Refer to separate table	Refer to separate table below
Status Comment (lapsed/rollover/modify/new)	Carry forward	-
Underlying Environmental Area	Various	-
Map No	N/A – IntraMaps. The Brownhill Road to Whakamaru North Overhead Transmission Line designation is shown correctly on the IntraMaps of the Operative Waikato District Plan.	-

LEGAL DESCRIPTIONS FOR BROWNHILL ROAD TO WHAKAMARU NORTH OVERHEAD TRANSMISSION LINE (WITHIN WAIKATO DISTRICT)

TABLE 4A:

	Legal description
Brownhill Road to Whakamaru North Overhead Transmission Line	Allot 164 Whangamarino PARISH, Allot 267 Taupiri PARISH, Allot 277 Taupiri PARISH, Allot 286 Taupiri PARISH, Allot 287 Taupiri PARISH, Allot 291 Taupiri PARISH, Allot 300 Taupiri PARISH, Allot 301 Taupiri PARISH, Allot 31 Maramarua PARISH, Allot 377 Whangamarino PARISH, Allot 573 Taupiri PARISH, Allot 663 Whangamarino PARISH Allot 694 Taupiri PARISH, Allot 695 Taupiri PARISH, Allot 748 Taupiri PARISH, Crown Land Deposited Plan South Auckland 51231, Crown Land Survey Office Plan 34936 Crown Land Survey Office Plan 34936, Lot 1 DP 11238, Lot 1 DP 18570, Lot 1 DP 24572, Lot 1 DP 29065, Lot 1 DP 29348, Lot 1 DP 32767, Lot 1 DP 32851, Lot 1 DP 368595, Lot 1 DP 439420, Lot 1 DP 439728, Lot 1 DPS 10847, Lot 1 DPS 1656, Lot 1 DPS 2283, Lot 1 DPS 23254, Lot 1 DPS 3347, Lot 1 DPS 3501, Lot 1 DPS 44792, Lot 1 DPS 51231, Lot 1 DPS 56868, Lot 1 DPS 6244, Lot 1 DPS 63912, Lot 1 DPS 67106, Lot 1 DPS 73791, Lot 1 DPS 78377, Lot 1 DPS 83406, Lot 1 DPS 83570, Lot 1 DPS 85600, Lot 1 DPS 89880, Lot 1 DPS 90141, Lot 1 DPS 91554, Lot 1 DPS 9993, Lot 2 DP 18570, Lot 2 DP 22291, Lot 2 DP 27671, Lot 2 DP 29348, Lot 2 DP 29664, Lot 2 DP 322420, Lot 2 DP 32767, Lot 2 DP 330958, Lot 2 DP 417722, Lot 2 DP 439420, Lot 2 DP 439728, Lot 2 DP 442233, Lot 2 DP 451941, Lot 2 DP 457692, Lot 2 DP 462151, Lot 2 DPS 1097, Lot 2 DPS 17834, Lot 2 DPS 19705, Lot 2 DPS 2283, Lot 2 DPS 6630, Lot 2 DPS 67106, Lot 2 DPS 724, Lot 2 DPS 73791, Lot 2 DPS 78377, Lot 2 DPS 81308, Lot 2 DPS 89880, Lot 3 DP 22291, Lot 3 DP 32767, Lot 3 DP 363753, Lot 3 DP 36580, Lot 3 DP 369411, Lot 3 DP 378206, Lot 3 DP 433501, Lot 3 DPS 1453, Lot 3 DPS 68851, Lot 3 DPS 74265, Lot 3 DPS 81308, Lot 4 DP 32767, Lot 4 DP 332466, Lot 4 DP 369411, Lot 4 DPS 23254, Lot 4 DPS 81308, Lot 4 DPS 86339, Lot 4 DPS 89880, Lot 7 DP 33199, Pt Allot 162 Whangamarino PARISH, Pt Allot 163 Whangamarino PARISH, Pt Allot 270 Taupiri PARISH, Pt Allot 272 Taupiri PARISH, Pt Allot 50 Maramarua PARISH, Pt Allot 57 Maramarua PARISH, Pt Allot 6 Maramarua PARISH, Pt Land on DP 3101, Pt Land on DP 7851, Pt Lot 1 DP 21817, Pt Lot 1 DP 22291, Pt Lot 1 DP 26041, Pt Lot 1 DP 32840, Pt Lot 3 DP 16646, Pt Lot 3 DP 23291, Pt Lot 8 DP 15482, Pt Sec 12 Taniwha SETTLEMENT, Pt Sec 1s Tangao SETTLEMENT, Pt Sec 5 Mangakura SETTLEMENT, Pt Tauhei 7A6B2, RD SO 422579, Sec 1 SO 437841, Sec 13 Mangakura SETTLEMENT, Sec 16 Blk XIV Paeroa SD, Sec 17 Blk V Piako SD, Sec 2 Taniwha SETTLEMENT, Sec 3 Taniwha SETTLEMENT, Sec 4 Mangakura SETTLEMENT, Sec 4 Taniwha SETTLEMENT, Sec 5 Taniwha SETTLEMENT, Tauhei 7A5B2C1, Tauhei 7A5B2C3, Tauhei 7A6A2, Part Taniwha Road, Part Mangapiko Valley Road, Part Proctor Road, Part Coalfields Road, Part Waerenga Road, Part Riddell Road, Part Matahuru Road, Part Tainui Road, Part Symes Road, Part Tahuna Road, Part Mangatea Road, Part State Highway 2, Part Manuel Road, Part Flaxmill Road, Part Taniwha Road

MODIFICATION OF CONDITIONS FOR BROWNHILL ROAD TO WHAKAMARU NORTH OVERHEAD TRANSMISSION LINE (K8)

In rolling over the designations for Brownhill Road to Whakamaru North Overhead Transmission Line, Transpower has simplified the conditions that apply. The actions required by many of the conditions have been completed – as they related to construction activities that have occurred or were conditions of a limited duration and were bespoke to the original construction and not minor works during the lifetime of the designation. Where there is a more than minor change to that existing, an outline plan would address issues such as managing environmental effects from construction (i.e. earthworks and traffic). Otherwise operation and maintenance effects are short term and any regional consent requirements would apply. A Regulatory Compliance Report was submitted to council in May 2013 confirming compliance with each of the conditions.

There are no planned or scheduled works to the line and no maintenance or replacement works required for at least 10-15 years

Other conditions require updating, as they refer to documents that have been superseded by updated regulations and guidelines. Specific comments are as follows:

TABLE 4B: Waikato District Conditions

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
1-13 inclusive	Documents, tower heights and locations, activities under the line, cultural/spiritual, archaeology, social	<p>1. <i>Subject to the conditions below, the initial works to give effect to the designation shall be generally in accordance with Maps 52–68 in Appendix V.</i></p> <p>2. <i>Tower heights and locations, except in relation to towers 88 and 89, shall be generally in accordance with the plans and profiles, except that:</i></p> <ul style="list-style-type: none"> a) <i>Tower height can exceed that shown on the plans and profiles by up to three metres;</i> b) <i>Where tower locations are moved in accordance with (d) and © below, tower heights can exceed those in the plans and profiles by up to five metres;</i> c) <i>No tower shall exceed 70 metres in height;</i> d) <i>Tower sites may be moved up to five metres laterally;</i> e) <i>Tower sites may be moved up to 40 metres along the alignment.</i> <p>3. <i>Tower heights and locations for towers 88 and 89 shall be in accordance with Map 53 in Appendix V. Towers 88 and 89 shall not be relocated, except with the</i></p>	<p>Schedule 1 notice: Delete conditions 1 – 13</p> <p>Hearing Evidence: Retain condition 5 Delete conditions 1- 4, 6-13</p>	<p>The majority of conditions are associated with the original construction and should therefore be deleted as they are no longer relevant or required as construction has occurred, and conditions complied with¹. As such, deletion is sought of:</p>	<p>Delete conditions 1 – 4, 6 -13</p> <p>Retain condition 5</p>

¹ As confirmed in the North Island Grid Upgrade Project Regulatory Compliance Report dated 24 May 2013 provided to Council.

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>prior written consent of the affected landowners and holders of the affected mineral rights. The heights of towers 88 and 89 can exceed that shown on the plans and profiles by up to three metres.</i></p> <p><i>4. Transpower shall include additional engineering measures in its design and construction of the foundation of towers 88 and 89 to provide additional mitigation to allow for possible ground movement caused by future mining activities carried out in accordance with condition 5 below. Such measures may include increased foundation depths and possible installation of tie beams to allow for differential settlement. Provided towers 88 and 89 are constructed to provide additional mitigation for ground movement caused by future mining activities, Transpower is not required to provide mitigation following construction and commissioning of the towers to address unstable batter slopes potentially caused by future mining activities.</i></p> <p><i>5. The construction, operation and maintenance of towers 88 and 89 and the overhead 400kV capable transmission line, shall be undertaken in such a manner as to not unreasonably hinder or preclude the use and development of land legally described as Part Allotment 57 Parish of Maramarua and Lot 3 DPS 1453 (unique identifies SA5A/133 and SA58C/221) (Maxwell Block) for open pit mining operations that incorporate the following agreed restrictions:</i></p> <ul style="list-style-type: none"> <i>a) The top of any open pit batter slope does not extend inside a circle with a radius of 45 metres from the centre peg of tower 88 and 52 metres from the centre peg of tower 89;</i> <i>b) An overall maximum batter slope of no greater than 1.6 metre horizontal to 1.0 metre vertical;</i> <i>c) A minimum of 12.7 metres clearance of ground level from the overhead 400kV capable transmission line at maximum operating temperature;</i> <i>d) A minimum of six metres clearance of any plant or equipment from the overhead 400kV capable transmission line at maximum operating temperature; and</i> <i>e) No buildings shall be constructed within the designated corridor for the overhead 400kV capable transmission line.</i> 		<ul style="list-style-type: none"> • Condition 1 specific to initial works; • Conditions 2 and 3 regarding tower height and location conditions; • Condition 4 engineering foundation requirements • Condition 6 relating to general archaeological protocols during construction (noting the requirements of Heritage NZ Act would apply and prevail for any new construction works) • Conditions 7, 8, 9, and 10 relating to site specific works and archaeology; • Conditions 11, 12 and 13 relating to a counselling/stress relief plan associated with implementation of the project with timeframes provided. <p>Condition 5 is to be retained as relates to</p>	

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>6. If any urupā, traditional sites, taonga (significant artefacts) or kōiwi (human remains) are exposed during site works, then the following procedures shall apply:</p> <ul style="list-style-type: none"> a) Works in the immediate vicinity of the site that has been exposed shall cease; b) The site supervisor shall immediately secure the area in a way that ensures that any remains or artefacts are untouched; c) The site supervisor shall notify representatives of relevant tāngata whenua, the New Zealand Historic Places Trust, Waikato District Council and, in the case of human remains, the New Zealand Police; and d) The notification in © above shall allow such persons being given a reasonable time to record and resolve archaeological features discovered before work may recommence. <p>7. Before any works associated with the Upper North Island Grid Upgrade Project are carried out in the vicinity of site S12/253, Transpower shall undertake the following:</p> <ul style="list-style-type: none"> a) All proposed access routes for tower 94 shall be archaeologically surveyed by the suitably qualified and experience archaeologist (project archaeologist) prior to the Site Works Plan (SWP) required by condition 41 being finalised. The Site Works Plan shall insofar as it relates to proposed access routes be altered, where practicable, to accommodate any archaeological findings. <p>8. Before any works associated with the Upper North Island Grid Upgrade Project are carried out near Site S13/30, Transpower shall undertake the following:</p> <ul style="list-style-type: none"> a) The locations for towers 140A, 140B and 141, as well any rerouting of the race route, shall (subject to obtaining all necessary statutory approvals) be archaeologically investigated prior to site works commencing. b) Any vegetation shall be removed in a manner which does not affect Site S13/30. c) The Site Works Plan required by conditions 41–43 for tower 141 states that: 		operation and maintenance.	

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>i) Contractors be aware of the possibility that archaeological evidence may be present.</p> <p>ii) If the contractors have any doubts as to the nature of materials found in excavations they should stop work to enable the project archaeologist to assess the materials.</p> <p>9. The earthworks for tower 161 shall be monitored by the project archaeologist and any evidence recorded in accordance with standard archaeological practice.</p> <p>10. Before the Site Works Plans in relation to towers 173–175 are finalised, the project archaeologist shall undertake an archaeological survey of the tower sites and the proposed access routes to those tower sites.</p> <p>Advice Note: Conditions 7-10 are subject to any conditions of any archaeological authority granted under the Historic Places Act 1993.</p> <p>11. Transpower shall prepare a counselling/stress relief plan, after consultation with the territorial authority. The plan shall include:</p> <ul style="list-style-type: none"> a) An offer of counselling to those persons directly affected by the designation crossing their property to manage undue stress related to implementing the Upper North Island Grid Upgrade Project; b) An 0800 number for the service; c) No requirement for contact with Transpower personnel to access the service; d) Such offer remaining open for acceptance for the period ending six months after confirmation of the designation; and e) Such offer extending to a maximum of four counselling sessions, which may occur beyond the period referred to in (d) above, but which must be completed within 12 months of confirmation of the designation. <p>12. The implementation of the counselling/stress relief plan, and any counselling of directly affected persons, shall be at Transpower's cost.</p> <p>13. Transpower shall not be in breach of the condition 40 if the offer of counselling is not taken up by any directly affected persons.</p>			
14	Electric and	The works shall be designed and constructed to limit the EMF exposure to the International Commission on Non-Ionsing Radiation Protection Guidelines for limiting exposure to time varying electric, magnetic, and electromagnetic fields (up	Schedule 1 notice: Update	Update to refer to the current version of the standard for measuring	The <u>Any new</u> works <u>or equipment</u> shall be designed and

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
	Magnetic Fields	<i>to 300 GHz) (Health Physics, 1998 74(4): 494-552) (ICNIRP Guidelines) to public reference levels of 5 kV/m for electric fields and 100 µT for magnetic flux density at one metre above ground under maximum normal operating conditions (ie, when there are no faults in the transmission system).</i>	Hearing evidence: Update	<p>electric and magnetic fields.</p> <p>This correction is consistent with policy 9 of the National Policy Statement on Electricity Transmission which provides: <i>“Provisions dealing with electric and magnetic fields associated with the electricity transmission network must be based on the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time-varying electric magnetic and electromagnetic fields (up to 300 GHz) (Health Physics, 1998, 74(4): 494-522) and recommendations from the World Health Organisation monograph Environmental Health Criteria (No 328, June</i></p>	<p>constructed <u>operated</u> to limit the EMF exposure <u>at or beyond the secure boundary of the substation site</u> to the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic <u>electric and magnetic</u> fields (up to 300 GHz)(Health Physics, 1998, 74(4): 494-522) <u>(1 Hz to 100 kHz)</u> (ICNIRP) Guidelines; <u>(Health Physics 99(6):818-836; 2010). At 50 Hz that includes the</u> public reference levels of 5kV/m for electric fields and 4200 µt for magnetic flux density at one metre above ground level under maximum normal operating</p>

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
				<p>2007) or revisions thereof and any applicable New Zealand standards or national environmental standards."</p> <p>The condition also needs to specify where the public exposure guidelines should apply, i.e. at or beyond the secure boundary of the site as within the operational limits the same guidelines would apply.</p>	<p>conditions (i.e., when there are no faults in the transmission system)."</p>
15	Electric and Magnetic Fields	<i>In order to reduce long-term public exposure to EMFs no habitable building shall be constructed within the designated corridor for the 400-kV capable transmission line.</i>	Retain	Ongoing compliance condition to be retained.	No change
16	Earth potential rise /	<i>In designing and constructing the line, Transpower shall give consideration to third-party conductive structures and services to ensure compliance with</i>	Schedule 1 notice: Update	This condition refers to regulations 58, 60, 69 and 87 of the Electricity	"In designing and constructing the line, Transpower shall give

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
	induced currents	<i>regulations 58, 60, 69 and 87 of the Electricity Regulations 1997 as in force at the date of confirmation of the designation.</i>	Hearing evidence: Update	Regulations 1997, which have been replaced. These regulations do not translate into specific regulations in the Electricity Safety Regulations 2010. Transpower has therefore amended the condition to refer to the regulations in their entirety rather than referring to individual provisions.	consideration to third-party conductive structures and services to ensure compliance with regulations 58, 60, 69 and 87 of the Electricity Regulations 1997 as in force at the date of confirmation of the designation. <u>"Any new works or equipment shall be designed and constructed to comply with the Electricity Safety Regulations 2010."</u>
17	Earth potential rise / induced currents	<i>The works shall be designed and constructed to comply with AS/NZS4852:2000 Electrical Hazards on Metallic Pipelines.</i>	Schedule 1 notice: Update	Construction has occurred so condition 17 (which relates to compliance with the relevant standard for electrical hazards on metallic pipelines needs to be updated to refer to "new works or equipment"). This standard referred to is also now out of date.	"The <u>Any new works or equipment</u> shall be designed and constructed so as not to cause existing assets of other utilities to be noncompliant with AS/NZS 4853:2000 <u>2012 – Electrical Hazard on Metallic Pipelines."</u>
			Hearing evidence: Update		

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
				The condition should be amended to refer to “new works or equipment” and to latest version of the standard.	
18	Earth potential rise / induced currents	<i>Prior to commissioning, Transpower shall have an appropriately qualified person assess all conductive structures in the vicinity of the transmission line. Any hazard shall undergo a risk assessment in accordance with the Electricity Engineers’ Association Guide to Risk-Based Earthing System Design. Transpower will carry out mitigation measures to address significant risks relating to earth potential rise and induction effects associated with the line.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete condition	This condition is now unnecessary, because construction has occurred, and the condition is specific to commissioning to of the line. The designation conditions can be simplified by removing this completed condition.	Delete
19	Radio frequency interference	<i>All works shall be designed to comply with NZS 6869:2004 Limits & Measurement Methods of Electromagnetic Noise from High-Voltage ac. Power Systems, 0.15 to 1000 MHz.</i>	Schedule 1 notice: Update Hearing evidence: Update	Construction has occurred so the condition should be amended to refer to “new works or equipment”.	“ <u>Any new</u> All works <u>or equipment</u> shall be designed to comply with NZS6869:2004 Limits & Measurement Methods of Electromagnetic Noise from High-Voltage a.c. Power Systems, 0.15 to 1000 MHz.”

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
20	Operational Noise	<i>The operation of the transmission line shall not emanate a noise that exceeds a limit of 40 dBA Leq beyond the boundaries of the designation. Measurements shall not be undertaken during heavy rain.</i>	Retain	Ongoing compliance condition to be retained.	No change
21	Operational Noise	<i>Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.</i>	Schedule 1 notice: Update Hearing evidence: Update	Update the condition to refer to the current New Zealand Standard for measuring and assessing noise.	<i>“Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound <u>NZS6801:2008 Acoustics – Measurement of Environmental Sound and NZS6802:2008 Acoustics – Environmental noise.</u>”</i>
22-43	Landscape mitigation – general, landscape mitigation – private land, landscape mitigation – public land, pre-construction	22. <i>Within two months of confirmation of the designation, Transpower shall appoint a suitably qualified and experienced landscape architect for the role of certifying that any of the thresholds in conditions 27 and 29 have been reasonably met (the landscape certifier). The person appointed shall be endorsed by the NZ Institute of Landscape Architects in writing as suitable for the role, having been advised of the role and responsibilities.</i> 23. <i>Any decision made by the landscape certifier in relation to the matters addressed in conditions 27(b) and 29 shall be in writing (including reasons).</i> 24. <i>Any landowner may ask the landscape certifier to certify that any decision under conditions 27(b) and 29 is reasonable given the thresholds in those conditions. The landscape certifier shall set his or her own procedure for any such certification.</i>	Schedule 1 notice: Delete condition Hearing Evidence: Delete conditions 22 – 43	These conditions are now unnecessary, because construction has occurred and the conditions are specific to the original construction period. There are no ongoing landscaping requirements or obligations. The designation conditions	Delete conditions 22-43

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
	n activities, Construction Management Plan	<p>25. <i>Within two months of confirmation of the designation, Transpower shall write to the owners of:</i></p> <ul style="list-style-type: none"> a) <i>Properties having an occupied house, existing at the date of the Board's draft decision on the Notices of Requirement, within one kilometre of the centre line of the designation; and</i> b) <i>The following property</i> 317 Kopuku Road <i>Which is beyond one-kilometre distance from the centre line, but where the likely effects have been assessed as moderate.</i> <p>26. <i>The letter shall inform the landowner/s of the properties referred to in condition 25 of their possible entitlement to a landscape mitigation assessment in accordance with condition 29 (including where relevant, ecological planting). This condition shall not apply to any property where an agreement relating to landscape mitigation has already been reached between Transpower and the landowner.</i></p> <p>27. <i>The written offer required by condition 25 shall inform the landowner that he/she may request Transpower to consider landscape mitigation (including where relevant, ecological planting) at his/her option prior to, or after, construction of the overhead line, and outline the process established by these conditions (including the role of the landscape certifier).</i></p> <p>28. <i>Within two months of commissioning of the line, Transpower shall repeat the offer required by condition 25 to all landowners who have not already indicated preliminary acceptance of Transpower's offer. Transpower shall expressly state that the offer shall remain valid for 12 months following commissioning of the overhead line.</i></p> <p>29. <i>In the case of each landowner who has indicated acceptance of the offer of landscape mitigation assessment (including where relevant ecological planting), the following process shall be adhered to:</i></p> <ul style="list-style-type: none"> a) <i>An onsite meeting shall be arranged between the landowner and a qualified landscape architect (the landscape architect) and where relevant an ecologist, appointed by Transpower.</i> b) <i>The landscape architect shall determine whether mitigation is appropriate in terms of the criteria in Table 1. If the determination is that no mitigation</i> 		can be simplified by removing these completed conditions.	

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>is appropriate, the landscape architect shall advise Transpower with reasons, and Transpower shall advise the landowner.</i></p> <p>c) <i>Subject to (d), if the landscape architect identifies that mitigation is appropriate in terms of the criteria in Table 1, he/she shall prepare a ²plan (the concept plan) to mitigate the adverse visual effects of the overhead line when viewed from the dwelling and the immediate curtilage of the dwelling. The mitigation techniques shall take into account the factors and criteria in Table 1.</i></p> <p>d) <i>For properties where ecological planting has been identified in Table 2, the concept plan required by © shall be prepared by the landscape architect, in consultation with the ecologist, taking into account the criteria in Table 2.</i></p>			

Table 1

Factors	Degree of Likely Visual Amenity Effect	Basis for Assessment of Degree Effect	Mitigation Technique	Practicality	Owners Preference
Criteria	<ul style="list-style-type: none"> Moderate to high degree of effect 	<ul style="list-style-type: none"> Distance from line and towers Orientation of the house and outdoor living areas Existing screening and nature of intervening landscape Relative elevation 	<ul style="list-style-type: none"> Planting that may screen or partially screen towers Planting that may create an alternative foreground focus Planting that may focus the outlook on alternative view Planting that may increase the sense of depth in a view towards the line 	<ul style="list-style-type: none"> Land available in the resident's ownership for landscape mitigation Existing garden design or landscape constraints Farm management constraints 	<ul style="list-style-type: none"> Preferences identified during the consultation and design process

Table 2

Relevant Towers	Span 111-113 (Beale, evidence in chief para 28(e))
Proposed Replacement Planting and Purpose	<ul style="list-style-type: none"> Plantings of shrubs and pioneer tree species that attain a height at maturity no greater than 14 metres, along the designation within the large kahikatea fragment affected by tower 112 that is not required as a maintenance accessway. Plantings of kahikatea, totara and kowhai adjacent to the eastern side of the stand beyond the designation or alternatively within the corridor created by the ARI-PAK A line removal, to offset the loss of trees removed.

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>30. The concept plan shall be prepared in draft, and following review by Transpower, shall be submitted to the landowner for comment.</p> <p>31. The concept plan shall be reviewed by the landscape architect, in consultation with the ³ecologist (where relevant), following the receipt of comments, and following such further consideration, investigation and discussion with the landowner and Transpower as the landscape architect considers necessary, taking into account the criteria in Table 1 and the cost and practicality of implementing any specific request. The revised plan (the final plan) will be provided to the landowner as soon as reasonably practicable.</p> <p>32. On receipt of written acceptance of the final plan, Transpower shall implement it within the first planting season following that acceptance, unless otherwise agreed with the landowner.</p> <p>33. Transpower shall maintain the planting for 12 months after completion of planting.</p> <p>34. In the event that a landowner advises Transpower that the landowner wishes to implement the final plan themselves, within 30 days following completion of all work specified in the final plan to the reasonable satisfaction of the landscape architect, Transpower shall pay the landowner the sum of money allocated in the approved concept plan. Where this occurs, condition 30 shall not apply.</p> <p>35. In the event that a landowner advises Transpower that the landowner wishes to maintain the planting themselves, within 30 days following completion of all works specified in the final plan, Transpower shall pay the landowner the sum of money allocated in the approved concept plan for maintenance. Where this occurs, condition 33 shall not apply.</p> <p>36. Within 12 months of confirmation of the designation, Transpower shall write to the Waikato District Council (Council), and where relevant NZTA, informing it or them of its proposal to carry out landscape mitigation along specific sections or locations of roads and State highways in the Council's district, as shown on Maps 32–39 in Appendix V, and seeking the Council's involvement in implementing the mitigation. The offer shall be for the purpose of mitigation of adverse visual effects</p>			

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>of the overhead line when viewed from the public roads or other viewpoints shown in the plan.</i></p> <p><i>37. On receiving a positive response from the Council and/or NZTA (as applicable), Transpower shall provide a draft development plan, specifications, and costing prepared by a qualified landscape architect as an offer to the Council and/or NZTA. The offer shall remain open for 12 months following commissioning of the line.</i></p> <p><i>38. Transpower shall review any comments provided by the Council and/or NZTA and shall issue a final plan. The final plan shall be provided as soon as practicable to the Council and/or Transit.</i></p> <p><i>39. On the Council's and/or NZTA's written acceptance of the plan (where relevant) and agreement to implement the mitigation, Transpower shall, within 30 days, pay to the Council and/or NZTA the cost specified in the accepted plan (which shall include an estimate for a year of maintenance).</i></p> <p><i>40. Transpower shall not be in breach of condition 33 in the event the Council and/or NZTA do not undertake the planting as provided in the final plan.</i></p> <p><i>41. Prior to construction commencing, Transpower shall appoint a Landowner Liaison Officer, who will:</i></p> <ul style="list-style-type: none"> <i>a) Be responsible for maintaining contact with landowners and occupiers of each property prior to, and during construction; and</i> <i>b) Have a contact role with the landowner during the development of the Site Works Plan (SWP) for individual properties.</i> <p><i>42. Transpower shall make copies of individual SWPs available to the Waikato District Council for information purposes, upon request.</i></p> <p><i>43. Prior to commencement of any construction activity authorised by the designation, Transpower shall submit a construction management plan to the Council's Consents Officer for approval. The Council's Consents Officer shall respond within 15 working days. Approval shall not be unreasonably withheld. The construction management plan shall outline Transpower's intended approach to:</i></p> <ul style="list-style-type: none"> <i>a) Land stability management and sediment controls;</i> <i>b) Storage and reuse of topsoil;</i> <i>c) Management and disposal of spoil;</i> 			

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>d) Groundwater and stormwater management, treatment and disposal;</p> <p>e) Silt and dust control, during earthwork stages;</p> <p>f) Traffic/access management;</p> <p>g) Temporary activities and equipment storage in specified areas;</p> <p>h) Security and lighting during construction;</p> <p>i) Contaminated land management procedures;</p> <p>j) Construction noise (as set out in conditions 44-47), dust and vibration;</p> <p>k) Hours of work;</p> <p>l) Existing network utilities' protocols and guidelines.</p> <p>m) Subject to other specific conditions, cultural protocols and archaeological requirements;</p> <p>n) Vegetation clearance, disposal and restoration;</p> <p>o) The intended construction programme (including staging if appropriate);</p> <p>p) Protocols and procedures for road controlling authorities and rail operators where the line crosses that infrastructure;</p> <p>q) Community information and liaison;</p> <p>r) Contractor training; and</p> <p>s) Generic contents of Site Works Plans (SWPs).</p> <p>Nothing in the condition allows the Council, or any other party, to require more onerous controls than contained in the designation conditions.</p>			
44	Construction and Maintenance Noise	All construction and maintenance work shall be designed, managed and conducted to ensure that construction and maintenance noise from the designated area does not exceed the limits in NZS6803:1999 Acoustics– Construction Noise at locations set out in section 6.2 of that standard.	Retain	Ongoing compliance condition to be retained	No change
45	Construction and Maintenance Noise	The noise limits required by condition 44 shall not apply to emergency work required to re-establish continuity of supply, urgently required to prevent loss of life or other personal injury or commissioning works, but all practicable steps shall be undertaken to control noise and to avoid adverse noise effects particularly at times when the stricter noise limits apply (eg, at night time).	Retain	Ongoing compliance condition to be retained	Cross-reference to Condition 44 may need to be updated.

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
46 – 47	Construction and Maintenance Noise	<p>46. Prior to any significant construction work taking place, including any earthworks, a noise management plan applicable to the construction and commissioning stages shall be prepared for the whole of the line, with the assistance of a suitably qualified and experienced person. The plan shall set out the management procedures in terms of section 8 and Annex E of NZS6803:1999 and the works shall be undertaken in accordance with that noise management plan.</p> <p>47. The noise management plan required by condition 47 shall be submitted to the Council's Consents Manager, at least 20 working days prior to the works commencing.</p>	<p>Schedule 1 notice: Update</p> <p>Hearing evidence: Delete Conditions 46 and 47</p>	Given the conditions reference 'significant construction work', 'commissioning stages' and 'prior to works commencing', and applies to the whole of the line, they are associated with the construction phase and are not ongoing compliance conditions.	Delete
48-55	Vibration, Aviation, Traffic Management Plan for road crossings and local roads, construction entrances off public roads	<p>48. Vibration from all construction activities shall not exceed the limits of, and shall be measured in accordance with, German Standard DIN 4150-3 (1999-02) <i>Structural Vibration – Effects of Vibration on Structures</i>.</p> <p>49. Transpower shall, on a monthly basis during the construction of the line, inform the New Zealand Agricultural Aviation Authority, the Civil Aviation Authority and Ardmore Airport Limited (in relation to the towers within the conical surface only, as set out in the Appendix Map 8, Ardmore Aerodrome Protection Measures, Manukau Operative District Plan, 2002) of the construction activities completed in the previous month, and intended to be undertaken in the following month including:</p> <ul style="list-style-type: none"> a) Erection of specific towers (with locations and heights); and b) Stringing of conductor and earthwires between specified towers. <p>For the avoidance of doubt, the requirement in condition 54 applies to each tower and conductoring of each tower, not merely the commencement of tower erection or conductoring.</p> <p>50. Transpower shall prepare a series of traffic management plans for road crossings and local roads used by heavy traffic in accordance with Transit New Zealand's Code of Practice for Temporary Traffic Management (COPTTM), after consultation with (as relevant):</p>	<p>Schedule 1 notice: Delete conditions 48-55</p> <p>Hearing Evidence: Delete conditions 48-55</p>	The conditions are now unnecessary, because construction has occurred, and the conditions requirements are not commensurate to any ongoing operation and maintenance requirements. The designation conditions can be simplified by removing these completed conditions.	Delete conditions 48-55

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>a) <i>Waikato District Council (Road Controlling Authority);</i></p> <p>b) <i>New Zealand Transport Agency (NZTA); and</i></p> <p>c) <i>The following key stakeholders:</i></p> <p style="padding-left: 20px;">i) <i>Emergency Services (including police);</i></p> <p style="padding-left: 20px;">ii) <i>Bus operators;</i></p> <p style="padding-left: 20px;">iii) <i>Schools;</i></p> <p style="padding-left: 20px;">iv) <i>Housing New Zealand Corporation;</i></p> <p>d) <i>Any additional key stakeholders identified by Waikato District Council.</i></p> <p>51. <i>A TMP shall be submitted to the Council and NZTA (where relevant) at least 20 working days prior to the commencement of construction of the relevant road crossing works or works affecting local roads. The plans may be submitted in stages, with each stage being submitted at least 20 working days prior to the commencement of the work the subject of that stage.</i></p> <p>52. <i>The TMP prepared by Transpower shall recognise that the paramount purpose of roads is the free passage of the public and its vehicles.</i></p> <p>53. <i>The TMPs shall address and provide details of proposed road crossing works and general use of local roads by heavy vehicles and/or mitigation measures relating to:</i></p> <p style="padding-left: 20px;">a) <i>The broad staging of the works, areas of activity and the nature and extent of traffic management;</i></p> <p style="padding-left: 20px;">b) <i>Locations of entranceways;</i></p> <p style="padding-left: 20px;">c) <i>Description of existing traffic;</i></p> <p style="padding-left: 20px;">d) <i>Proposed traffic management methods, including layout diagrams for temporary traffic management, and proposed speed restrictions;</i></p> <p style="padding-left: 20px;">e) <i>In relation to road crossing works, details of the installation of any protection measures including, but not limited to, hurdles for subsequent line construction purposes;</i></p> <p style="padding-left: 20px;">f) <i>Details of any necessary temporary road closures, diversions, or deviations which are likely to be required during road crossing activities, including the likely date, time, and duration of such matters (any necessary temporary road closures should be effected during off-peak</i></p>			

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>periods unless this is impracticable or would have adverse impacts on adjacent properties);</i></p> <p><i>g) Where diversions or deviations are required, information shall be provided by a suitably qualified and experienced traffic engineer of the traffic volumes and capacities of alternative routes, to ensure that such routes are both convenient and capable of safely accommodating any such diverted or deviated traffic;</i></p> <p><i>h) Details of the proposed signage to advise motorists, residents, stakeholders, and other road users of any road closures, diversions and delays, such signage to be sufficiently clear to be capable of ready understanding by the general public and installed at appropriate locations at least seven days in advance of such road closures, diversions and delays;</i></p> <p><i>i) Details of methods of proposed information dissemination regarding construction activities and associated traffic effects, including but not limited to public notices in newspapers, radio announcements, information packages and direct contact with affected persons. (Such information dissemination, and the chosen method of dissemination is to be proportional to the impact);</i></p> <p><i>j) Details of prior consultation or community liaison undertaken with affected residents, stakeholders, public transport providers, emergency services or representative groups regarding proposed road closures, diversions and delays, and any measures agreed with such groups to address any adverse effects or inconvenience that may arise; and</i></p> <p><i>k) Identification of any measures for the purposes of mitigating adverse traffic effects of construction traffic, including safety matters (such speed restrictions and signage), relating to cyclists, pedestrians, disabled persons, and schoolchildren.</i></p> <p><i>Advice Note: If temporary road closure is required, additional time may be necessary to allow the Road Controlling Authority to complete the consultation and give the public notices required under section 342 and schedule 10 of the Local Government Act 1974.</i></p>			

Condition number	Condition Heading	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>54. Prior to the commencement of construction, Transpower shall undertake a survey of the condition of the roads in the immediate vicinity of construction entranceways off public roads (consisting of a photographic survey).</i></p> <p><i>55. Transpower shall repair any damage to entranceways and public roads in the vicinity of those entranceways resulting from impacts of its construction traffic.</i></p>			

TABLE 4B: Former Franklin District Conditions

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
1	General	<i>Subject to the conditions below, the initial works to give effect to the designation shall be generally in accordance with Maps 44–52 of Appendix V.</i>	Hearing Evidence: Delete Condition	Condition 1 is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred, and the condition complied with.	Delete
2	Tower Heights and Location	<i>Tower heights and locations shall be generally in accordance with the plans and profiles, except that:</i> <ul style="list-style-type: none"> <i>a) tower height can exceed that shown on the plans and profiles by up to three metres;</i> <i>b) where tower locations are moved in accordance with (d) and (e) below, tower heights can exceed those in the plans and profiles by up to five metres;</i> <i>c) no tower shall exceed 70 metres in height;</i> <i>d) tower sites may be moved up to five metres laterally;</i> <i>e) tower sites may be moved up to 40 metres along the alignment.</i> 	Hearing Evidence: Delete Condition	Condition 2 relating to tower height and location is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred, and the condition complied with.	Delete

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
3	Cultural and Spiritual	<p><i>If any urupā, traditional sites, taonga (significant artefacts) or kōiwi (human remains) are exposed during site works, then the following procedures shall apply:</i></p> <ul style="list-style-type: none"> <i>a) works in the immediate vicinity of the site that has been exposed shall cease;</i> <i>b) the site supervisor shall immediately secure the area in a way that ensures that any remains or artefacts are untouched;</i> <i>c) the site supervisor shall notify representatives of relevant tāngata whenua, the New Zealand Historic Places Trust, Waikato District Council and, in the case of human remains, the New Zealand Police; and</i> <i>d) The notification in (c) above shall allow such persons being given a reasonable time to record and resolve archaeological features discovered before work may recommence.</i> 	<p>Hearing Evidence: Delete Condition</p>	Condition 3 relating to general archaeological protocols during construction is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred. It is noted the requirements of Heritage NZ Act would apply and prevail for any new construction works.	Delete
4	Archaeological sites: route section 4, towers 33A–45	<p><i>The locations of all towers shall be subject to archaeological survey by a suitably qualified and experienced archaeologist (project archaeologist) prior to finalisation of the relevant Site Works Plans required by conditions 36 and 37, other than the proposed locations for towers 33A to 37, 40, 43 and 44.</i></p>	<p>Hearing Evidence: Delete Condition</p>	Condition 4 relating to a pre archaeological survey is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred. It is noted the requirements of Heritage NZ Act would apply and prevail for any new construction works.	Delete

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
5	Archaeological sites: route section 5	<p><i>Before any works associated with the Upper North Island Grid Upgrade Project are carried out within designated area of route section 5, Transpower shall undertake:</i></p> <ul style="list-style-type: none"> <i>a) The project archaeologist shall monitor the earthworks at tower 56 to determine whether archaeological evidence is present.</i> <i>b) All of the proposed access routes, and tower locations for towers 63A– 69 shall be archaeologically surveyed prior to the relevant Site Works Plans required by conditions 36 and 37 being finalised. The Site Works Plans, where practicable, shall accommodate any archaeological findings.</i> <i>c) Known archaeological site S12/324 shall be marked on all relevant Site Works Plans, and any maintenance plans. The Site Works Plans and any maintenance plans shall state that site S12/324 includes associated trees.</i> 	<p>Hearing Evidence: Delete Condition</p>	Condition 5 relating to a archaeological survey is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred. It is noted the requirements of Heritage NZ Act would apply and prevail for any new construction works.	Delete
Advice Note		<p><i>Conditions 4 and 5 are subject to any conditions of any archaeological authority granted under the Historic Places Act 1993.</i></p>	<p>Hearing Evidence: Delete Advice Note</p>	The advice note is no longer required as the archaeological authority has been granted and complied with. It is noted the requirements of Heritage NZ Act would apply and prevail for any new construction works.	Delete Advice Note

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
6 - 8	Social	<p>6. Transpower shall prepare a counselling/stress relief plan, after consultation with the territorial authority. The plan shall include:</p> <ul style="list-style-type: none"> a) an offer of counselling to those persons directly affected by the designation crossing their property to manage undue stress related to implementing the Upper North Island Grid Upgrade Project; b) an 0800 number for the service; c) no requirement for contact with Transpower personnel to access the service; d) such offer remaining open for acceptance for the period ending six months after confirmation of the designation; and e) such offer extending to a maximum of four counselling sessions, which may occur beyond the period referred to in (d) above, but which must be completed within 12 months of confirmation of the designation. <p>7. The implementation of the counselling/stress relief plan, and any counselling of directly affected persons, shall be at Transpower's cost.</p> <p>8. Transpower shall not be in breach of the condition 11 if the offer of counselling is not taken up by any directly affected persons.</p>	<p>Hearing Evidence: Delete Conditions</p>	<p>Conditions 6 – 8 relating to a counselling/stress relief plan associated with implementation of the project with timeframes provided, is associated with the original construction and should therefore be deleted as it is no longer relevant or required as construction has occurred.</p>	<p>Delete</p>

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
9	Electric and Magnetic Fields (EMF)	<i>The works shall be designed and constructed to limit the EMF exposure to the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time varying electric, magnetic, and electromagnetic fields (up to 300 GHz) (Health Physics, 1998 74(4): 494–552) (ICNIRP Guidelines) public reference levels of 5 kV/m for electric fields and 100 µT for magnetic flux density at one metre above ground under maximum normal operating conditions (ie, when there are no faults in the transmission system).</i>	Hearing Evidence: Update condition	<p>Update to refer to the current version of the standard for measuring electric and magnetic fields.</p> <p>This correction is consistent with policy 9 of the National Policy Statement on Electricity Transmission which provides: <i>“Provisions dealing with electric and magnetic fields associated with the electricity transmission network must be based on the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time varying electric magnetic and electromagnetic fields (up to 300 GHz) (Health Physics, 1998, 74(4): 494-522) and recommendations from the World Health Organisation monograph</i></p>	<i>The <u>Any new works or equipment</u> shall be designed and constructed <u>operated</u> to limit the EMF exposure <u>at or beyond the secure boundary of the substation site</u> to the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic <u>electric and magnetic</u> fields (up to 300 GHz)(Health Physics, 1998, 74(4): 494-522) <u>(1 Hz to 100 kHz)</u> (ICNIRP) Guidelines; <u>(Health Physics 99(6):818-836; 2010)</u>. <u>At 50 Hz that includes the</u> public reference levels of 5kV/m for electric fields and 4200 µt for magnetic flux density at one metre above ground level under maximum normal operating conditions</i>

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
				<p><i>Environmental Health Criteria (No 328, June 2007) or revisions thereof and any applicable New Zealand standards or national environmental standards.</i></p> <p>The condition also needs to specify where the public exposure guidelines should apply, i.e. at or beyond the secure boundary of the site as within the operational limits the same guidelines would apply.</p>	<i>(i.e., when there are no faults in the transmission system)."</i>
10	Electric and Magnetic Fields (EMF)	<i>In order to reduce long-term public exposure to EMFs no habitable building shall be constructed within the designated corridor for the 400-kV capable transmission line.</i>	Hearing Evidence: Retain	Ongoing compliance condition to be retained.	No change
11	Earth potential rise / induced currents	<i>In designing and constructing the line, Transpower shall give consideration to third-party conductive structures and services to ensure compliance with regulations 58, 60, 69 and 87 of the Electricity Regulations 1997 as in force at the date of confirmation of the designation.</i>	Hearing Evidence: Update condition	This condition refers to regulations 58, 60, 69 and 87 of the Electricity Regulations 1997, which have been replaced. These regulations do not translate into specific regulations in the Electricity Safety Regulations 2010.	"In designing and constructing the line, Transpower shall give consideration to third-party conductive structures and services to ensure compliance with regulations 58, 60, 69 and 87 of the Electricity Regulations 1997 as in force at the

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
				Transpower has therefore amended the condition to refer to the regulations in their entirety rather than referring to individual provisions.	date of confirmation of the designation. <u>"Any new works or equipment shall be designed and constructed to comply with the Electricity Safety Regulations 2010."</u>
12	Earth potential rise / induced currents	<i>The works shall be designed and constructed to comply with AS/NZS4852:2000 Electrical Hazards on Metallic Pipelines.</i>	Hearing Evidence:	Construction has occurred so condition 17 (which relates to compliance with the relevant standard for electrical hazards on metallic pipelines needs to be updated to refer to "new works or equipment"). This standard referred to is also now out of date. The condition should be amended to refer to "new works or equipment" and to latest version of the standard.	"The Any new works or equipment shall be designed and constructed so as not to cause existing assets of other utilities to be noncompliant with AS/NZS 4853:2000 <u>2012 – Electrical Hazard on Metallic Pipelines."</u>

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
13	Earth potential rise / induced currents	<i>Prior to commissioning, Transpower shall have an appropriately qualified person assess all conductive structures in the vicinity of the transmission line. Any hazard shall undergo a risk assessment in accordance with the Electricity Engineers' Association Guide to Risk-Based Earthing System Design. Transpower will carry out mitigation measures to address significant risks relating to earth potential rise and induction effects associated with the line</i>	Hearing Evidence: Delete condition	This condition is now unnecessary, because construction has occurred, and the condition is specific to commissioning of the line. The designation conditions can be simplified by removing this completed condition.	Delete
14	Radio frequency interference	<i>All works shall be designed to comply with NZS 6869:2004 Limits & Measurement Methods of Electromagnetic Noise from High-Voltage a.c. Power Systems, 0.15 to 1000 MHz.</i>	Hearing Evidence: Update condition	Construction has occurred so the condition should be amended to refer to "new works or equipment".	<u>"Any new All works or equipment shall be designed to comply with NZS6869:2004 Limits & Measurement Methods of Electromagnetic Noise from High-Voltage a.c. Power Systems, 0.15 to 1000 MHz."</u>
15	Operational noise	<i>The operation of the transmission line shall not emanate a noise that exceeds a limit of 40 dBA Leq beyond the boundaries of the designation. Measurements shall not be undertaken during heavy rain.</i>	Hearing Evidence: Retain	Ongoing compliance condition to be retained.	No change

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
16	Operational noise	<i>Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.</i>	Hearing Evidence: Update condition	Update the condition to refer to the current New Zealand Standard for measuring and assessing noise.	<i>"Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound <u>NZS6801:2008 Acoustics – Measurement of Environmental Sound and NZS6802:2008 Acoustics – Environmental noise.</u>"</i>
17 - 35	Landscape mitigation	<p><i>17. Within two months of confirmation of the designation, Transpower shall appoint a suitably qualified and experienced landscape architect for the role of certifying that any of the thresholds in conditions 29 and 31 have been reasonably met (the landscape certifier). The person appointed shall be endorsed by the NZ Institute of Landscape Architects in writing as suitable for the role, having been advised of the role and responsibilities.</i></p> <p><i>18. Any decision made by the landscape certifier in relation to the matters addressed in condition 24(b) and 26 shall be in writing (including reasons).</i></p> <p><i>19. Any landowner may ask the landscape certifier to certify that any decision under condition 24(b) and 26 is reasonable given the thresholds in those conditions. The landscape certifier shall set his or her own procedure for any such certification.</i></p> <p><i>20. Within two months of confirmation of the designation, Transpower shall write to the owners of properties having an occupied house, existing at the date of the</i></p>	Hearing Evidence: Delete conditions	These conditions are now unnecessary, because construction has occurred and the conditions are specific to the original construction period. There are no ongoing landscaping requirements or obligations. The designation conditions can be simplified by removing these completed conditions.	Delete conditions 17 - 35

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>Board's draft decision on the Notices of Requirement, within one kilometre of the centre line of the designation.</i></p> <p><i>21. The letter shall inform the landowner/s of the properties referred to in condition 20 of their possible entitlement to a landscape mitigation assessment in accordance with condition 24 (including where relevant, ecological planting). This condition shall not apply to any property where an agreement relating to landscape mitigation has already been reached between Transpower and the landowner.</i></p> <p><i>22. The written offer required by condition 20 shall inform the landowner that he/she may request Transpower to consider landscape mitigation (including where relevant, ecological planting) at his/her option prior to, or after, construction of the overhead line, and outline the process established by these conditions (including the role of the landscape certifier).</i></p> <p><i>23. Within two months of commissioning of the line, Transpower shall repeat the offer required by condition 20 to all landowners who have not already indicated preliminary acceptance of Transpower's offer. Transpower shall expressly state that the offer shall remain valid for 12 months following commissioning of the overhead line.</i></p> <p><i>24. In the case of each landowner who has indicated acceptance of the offer of landscape mitigation assessment (including where relevant ecological planting), the following process shall be adhered to:</i></p> <ul style="list-style-type: none"> <i>a) An onsite meeting shall be arranged between the landowner and a qualified landscape architect (the landscape architect) and where relevant an ecologist, appointed by Transpower.</i> <i>b) The landscape architect shall determine whether mitigation is appropriate in terms of the criteria in Table 1. If the determination is that no mitigation is appropriate, the landscape architect shall advise Transpower with reasons, and Transpower shall advise the landowner in writing.</i> <i>c) Subject to (d), if the landscape architect identifies that mitigation is</i> 			

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>appropriate in terms of the criteria in Table, 1 he/she shall prepare a plan (the concept plan) to mitigate the adverse visual effects of the overhead line when viewed from the dwelling and the immediate curtilage of the dwelling. The mitigation techniques shall take into account the factors and criteria in Table 1.</i></p> <p><i>For properties where ecological planting has been identified in Table 2, the concept plan required by (c) shall be prepared by the landscape architect, in consultation with the ecologist, taking into account the criteria in Table 2.</i></p> <p><i>25. The concept plan shall be prepared in draft and following review by Transpower shall be submitted to the landowner for comment.</i></p> <p><i>26. The concept plan shall be reviewed by the landscape architect, in consultation with the ecologist (where relevant), following the receipt of comments, and following such further consideration, investigation and discussion with the landowner and Transpower as the landscape architect considers necessary, taking into account the criteria in Table 1 and the cost and practicality of implementing any specific request. The revised plan (the final plan) will be provided to the landowner as soon as reasonably practicable.</i></p> <p><i>27. On receipt of written acceptance of the final plan, Transpower shall implement it within the first planting season following that acceptance, unless otherwise agreed with the landowner.</i></p> <p><i>28. Transpower shall maintain the planting for 12 months after completion of planting.</i></p> <p><i>29. In the event that a landowner advises Transpower that the landowner wishes to implement the final plan themselves, within 30 days following completion of all work specified in the final plan to the reasonable satisfaction of the landscape architect, Transpower shall pay the landowner the sum of money allocated in the approved concept plan. Where this occurs, condition 27 shall not apply.</i></p>			

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p>30. In the event that a landowner advises Transpower that the landowner wishes to maintain the planting themselves, within 30 days following completion of all works specified in the final plan, Transpower shall pay the landowner the sum of money allocated in the approved concept plan for maintenance. Where this occurs, condition 28 shall not apply.</p> <p>31. Within 12 months of confirmation of the designation, Transpower shall write to the Franklin District Council, and where relevant NZTA, informing it or them of its proposal to carry out landscape mitigation along specific sections or locations of roads and State highways in the Council's district, as shown on Maps 32–39 of Appendix V and seeking the Council's involvement in implementing the mitigation. The offer shall be for the purpose of mitigation of adverse visual effects of the overhead line when viewed from the public roads or other viewpoints shown in Maps 32-39 of Appendix V.</p> <p>32. On receiving a positive response from the Council and/or NZTA (as applicable), Transpower shall provide a draft development plan, specifications, and costing prepared by a qualified landscape architect as an offer to the Council and/or NZTA. The offer shall remain open for 12 months following commissioning of the line.</p> <p>33. Transpower shall review any comments provided by the Council and/or NZTA and shall issue a final plan. The final plan shall be provided as soon as practicable to the Council and/or NZTA.</p> <p>34. On the Council's and/or NZTA's written acceptance of the plan (where relevant) and agreement to implement the mitigation, Transpower shall, within 30 days, pay to the Council and/or NZTA the cost specified in the accepted plan (which shall include an estimate for a year of maintenance).</p> <p>35. Transpower shall not be in breach of condition 31 to 34 in the event the Council and/or NZTA do not undertake the planting as provided in the final plan.</p>			

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
36	Pre-construction activities	<p><i>Prior to construction commencing, Transpower shall appoint a Landowner Liaison Officer, who will:</i></p> <ul style="list-style-type: none"> <i>a) be responsible for maintaining contact with landowners and occupiers of each property prior to, and during construction; and</i> <i>b) have a contact role with the landowner during the development of the Site Works Plan for individual properties.</i> 	<p>Hearing Evidence: Delete condition</p>	This condition is now unnecessary, because construction has occurred, and the condition is specific to construction. The designation conditions can be simplified by removing this completed condition.	Delete condition 36
37	Pre-construction activities	<p><i>Transpower shall make copies of individual SWPs available to Franklin City Council for information purposes, upon request.</i></p>	<p>Schedule 1 notice:</p> <p>Hearing Evidence:</p>	This condition is now unnecessary, because construction has occurred, and the condition is specific to pre -construction. The designation conditions can be simplified by removing this completed condition.	Delete condition 37
38	Construction Management Plan (CMP)	<p><i>Prior to commencement of any construction activity authorised by the designation, Transpower shall submit a construction management plan to the Group Manager: Environmental Services for approval. The Group Manager: Environmental Services shall respond within 20 working days. Approval shall not be unreasonably withheld. The construction management plan shall outline Transpower's intended approach to:</i></p> <ul style="list-style-type: none"> <i>a) land stability management and sediment controls;</i> <i>b) storage and reuse of topsoil;</i> <i>c) management and disposal of spoil;</i> <i>d) groundwater and stormwater management, treatment and disposal;</i> <i>e) silt and dust control, during earthwork stages;</i> <i>f) traffic/access management;</i> 	<p>Schedule 1 notice:</p> <p>Hearing Evidence:</p>	This condition is now unnecessary, because construction has occurred, and the condition is specific to construction and CMP's. The designation conditions can be simplified by removing this completed condition.	Delete condition 38

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		g) temporary activities and equipment storage in specified areas; h) security and lighting during construction; i) contaminated land management procedures; j) construction noise (as set out in conditions 39-42), dust and vibration; k) hours of work; l) existing network utilities' protocols and guidelines; m) subject to other specific conditions, cultural protocols and archaeological requirements; n) vegetation clearance, disposal and restoration; o) the intended construction programme (including staging if appropriate); p) protocols and procedures for road controlling authorities and rail operators, where the line crosses that infrastructure; q) community information and liaison; r) contractor training; and s) generic contents of Site Works Plans (SWPs).			
39	Construction and maintenance noise	All construction and maintenance work shall be designed, managed and conducted to ensure that construction and maintenance noise from the designated area does not exceed the limits in NZS6803:1999 Acoustics– Construction Noise at locations set out in section 6.2 of that standard.	Schedule 1 notice:	Ongoing compliance condition to be retained.	No change
			Hearing Evidence:		
40	Construction and maintenance noise	The noise limits required by condition 39 shall not apply to emergency work required to re-establish continuity of supply, urgently required to prevent loss of life or other personal injury or commissioning works, but all practicable steps shall be undertaken to control noise and to avoid adverse noise effects, particularly at times when the stricter noise limits apply (eg, at night time).	Schedule 1 notice:	Ongoing compliance condition to be retained.	No change but the cross reference to condition 39 will require updating.
			Hearing Evidence:		

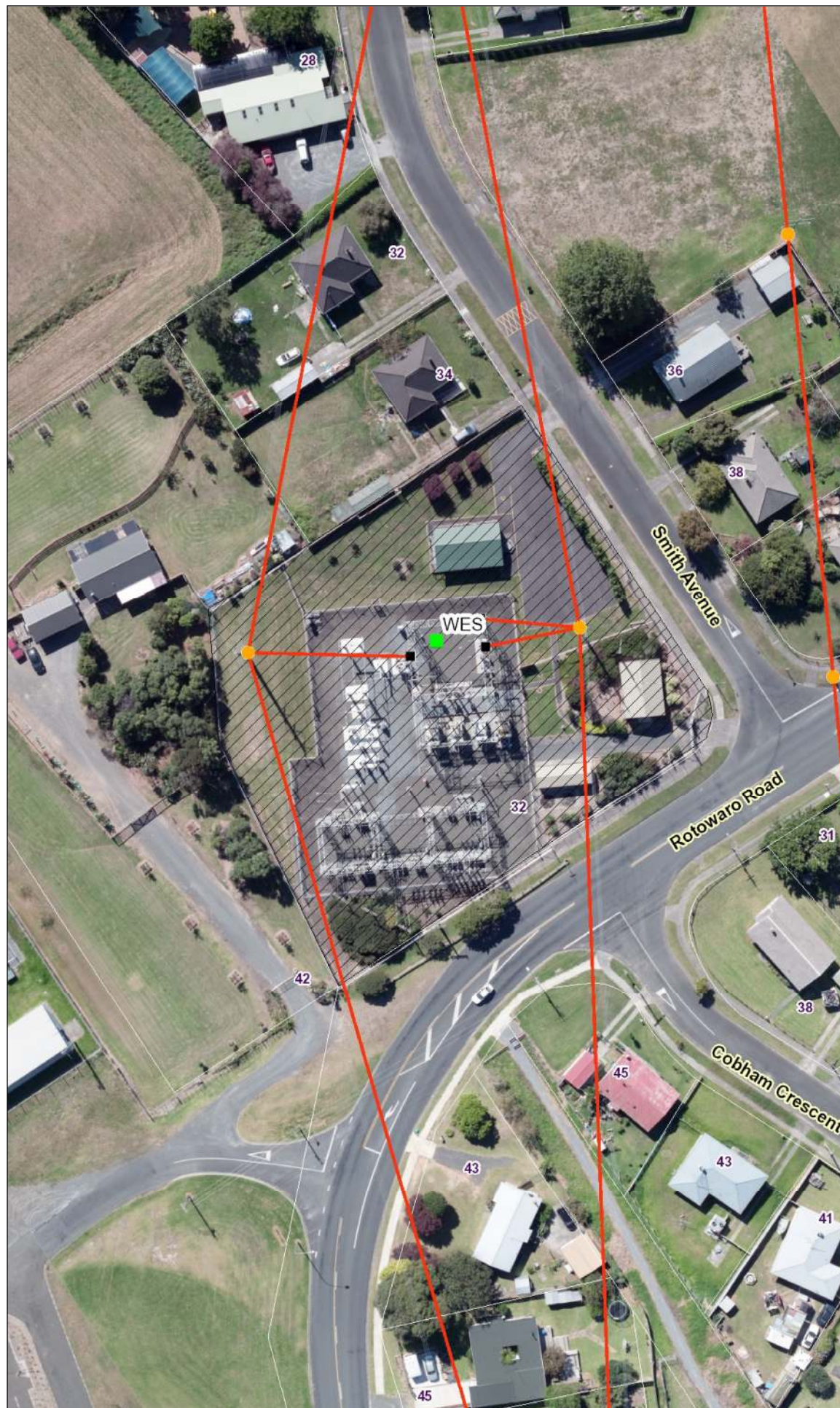
Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
41 and 42	Construction and maintenance noise	<p>41. <i>Prior to any significant construction work taking place, including any earthworks, a noise management plan applicable to the construction and commissioning stages shall be prepared for the whole of the line, with the assistance of a suitably qualified and experienced person. The plan shall set out the management procedures in terms of section 8 and Annex E of NZS6803:1999, and the works shall be undertaken in accordance with that noise management plan.</i></p> <p>42. <i>The noise management plan required by condition 41 shall be submitted to the Group Manager: Environmental Services at least 20 working days prior to the works commencing.</i></p>	Schedule 1 notice:	<p>Given the conditions reference 'significant construction work', 'commissioning stages' and 'prior to works commencing', and applies to the whole of the line, they are associated with the construction phase and are not ongoing compliance conditions.</p>	Delete Conditions 41 and 42
			Hearing Evidence:		
43 - 51	Vibration, Aviation, Traffic Management Plan for road crossings and local roads, construction entranceways off public roads	<p>43. <i>Vibration from all construction activities shall not exceed the limits of, and shall not be measured in accordance with, German Standard DIN 4150-3 (1990-02) Structural Vibration – Effects of Vibration on Structures</i></p> <p>44. <i>Transpower shall, on a monthly basis during the construction of the line, inform the New Zealand Agricultural Aviation Authority, the Civil Aviation Authority and Ardmore Airport Limited (in relation to the towers within the conical surface only, as set out in the Appendix Map 8, Ardmore Aerodrome Protection Measures, Manukau Operative District Plan, 2002) of the construction activities completed in the previous month, and intended to be undertaken in the following month including:</i></p> <ul style="list-style-type: none"> a) <i>erection of specific towers (with locations and heights); and</i> b) <i>stringing of conductor and earthwires between specified towers.</i> <p><i>For the avoidance of doubt, the requirement in condition 49 applies to each tower and conductoring of each tower, not merely the commencement of tower erection or conductoring.</i></p> <p>45. <i>Transpower shall prepare a series of traffic management plans for road crossings and local roads used by heavy traffic in accordance with Transit New Zealand's Code of Practice for Temporary Traffic Management (COPTTM), after</i></p>	Schedule 1 notice:	<p>The conditions are now unnecessary, because construction has occurred, and the conditions requirements are not commensurate to any ongoing operation and maintenance requirements. The designation conditions can be simplified by removing these completed conditions.</p>	Delete conditions 43 - 51
			Hearing Evidence:		

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>consultation with (as relevant):</i></p> <ul style="list-style-type: none"> <i>a) Franklin District Council (Road Controlling Authority);</i> <i>b) New Zealand Transport Agency (NZTA); and</i> <i>c) the following key stakeholders:</i> <ul style="list-style-type: none"> <i>i. emergency services (including police);</i> <i>ii. bus operators;</i> <i>iii. schools;</i> <i>iv. Housing New Zealand Corporation</i> <i>d) any additional key stakeholders identified by Franklin District Council.</i> <p><i>46. A TMP shall be submitted to the Council and NZTA (where relevant) at least 20 working days prior to the commencement of construction of the relevant road crossing works, or works affecting local roads. The plans may be submitted in stages, with each stage being submitted at least 20 working days prior to the commencement of the work the subject of that stage.</i></p> <p><i>47. Council shall respond within 20 working days indicating whether approval is given or refused.</i> <i>Approval shall not be reasonably withheld.</i></p> <p><i>48. The TMP prepared by Transpower shall recognise that the paramount purpose of roads is the free passage of the public and its vehicles.</i></p> <p><i>49. The TMPs shall address and provide details of proposed road crossing works and general use of local roads by heavy vehicles and/or mitigation measures relating to the following matters:</i></p> <ul style="list-style-type: none"> <i>a) details of the installation of any protection measures including, but not limited to, hurdles for subsequent line construction purposes;</i> <i>b) details of any necessary temporary road closures, diversions, or deviations which are likely to be required during road crossing activities, including the likely date, time, and duration of such matters (any necessary temporary road closures should be effected during off-peak</i> 			

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>periods unless this is impracticable or would have adverse impacts on adjacent properties);</i></p> <p><i>c) where diversions or deviations are required, information shall be provided by a suitably qualified and experienced traffic engineer of the traffic volumes and capacities of alternative routes, to ensure that such routes are both convenient and capable of safely accommodating any such diverted or deviated traffic;</i></p> <p><i>d) details of the proposed signage to advise motorists, residents, stakeholders, and other road users of any road closures, diversions and delays, such signage to be sufficiently clear to be capable of ready understanding by the general public and installed at appropriate locations at least 7 days in advance of such road closures, diversions and delays;</i></p> <p><i>e) details of methods of proposed information dissemination regarding construction activities and associated traffic effects, including but not limited to public notices in newspapers, radio announcements, information packages and direct contact with affected persons. (Such information dissemination, and the chosen method of dissemination is to be proportional to the impact);</i></p> <p><i>f) Details of prior consultation or community liaison undertaken with affected residents, stakeholders, public transport providers, emergency services or representative groups regarding proposed road closures, diversions and delays, and any measures agreed with such groups to address any adverse effects or inconvenience that may arise; and</i></p> <p><i>g) identification of any measures for the purposes of mitigating adverse traffic effects of construction traffic, including safety matters (such speed restrictions and signage), relating to cyclists, pedestrians, disabled persons, and schoolchildren.</i></p> <p><i>Advice Note: If temporary road closure is required, additional time may be necessary to allow the Road Controlling Authority to complete the consultation and give the public notices required under section 342 and schedule 10 of the Local Government Act 1974.</i></p>			

Condition Number	Condition Hearing	Operative Conditions	Relief Sought	Reason(s)	Amended Condition
		<p><i>50. Prior to the commencement of construction, Transpower shall undertake a survey of the condition of the roads in the immediate vicinity of construction entranceways off public roads (consisting of a photographic survey).</i></p> <p><i>51. Transpower shall repair any damage to entranceways and public roads in the vicinity of those entranceways resulting from impacts of its construction traffic.</i></p>			

Appendix C – Maps showing Transpower assets



Legend



- Site**
 - ACSTN
 - COMMS
 - HVDC
 - TEE
- Structure**
 - Unknown
 - Leased
 - Single Circuit Single Pole
 - Single Circuit Pi Pole
 - Single Circuit Triple Pole
 - Double Circuit Single Pole
 - Double Circuit Pi Pole
 - Double Circuit Triple Pole
 - Double Circuit Triple Pole
 - Double Circuit Steel Tower
 - Triple Circuit Steel Tower
 - Quad Circuit Steel Tower
 - Termination
- Span**
 - 0 kV
 - 11, 33, 66 kV
 - 66 kV Leased
 - 110 kV
 - 110 kV Leased
 - 220 kV
 - 350 kV
 - 400 kV
 - Underground Fibre Cable
 - Overhead Fibre Cable
 - Underground Power Cable
- Transpower Designations
- Parcel Boundaries



