



TRANSPOWER

Keeping the energy flowing



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27 September 2013

Kapiti Coast District Council
Private Bag 60 601
Paraparaumu 5254

Attention: Monique Robertson

Dear Monique,

Inclusion of Transpower New Zealand Limited Designations for the Paraparaumu 200kV Connection Supply Project into the Kapiti Coast District Plan – Your reference RM130075: Designation (New) and Designation (Alteration)

Transpower will soon be progressing the works associated with the above project and accordingly wishes to facilitate the inclusion of the designations into the Kapiti Coast District Plan in accordance with section 175 of the Resource Management Act. From our past discussions I understand that Council will endeavour to include the above designations within the overall Plan as soon as possible.

I have included the Decision made by Transpower (as the Requiring Authority) on the two designations (21 August 2013). I have also confirm with the Environmental Court that no appeals have been received by them (27 September – being 25 working days since the decision was notified). We assume you have not received any appeals either.

For this project two Notices of Requirement were submitted, one for the transmission line and another for the alteration to the Paraparaumu Substation, as follows:

Paraparaumu 220kV Transmission Line Designation – Council Reference RM130075

Scope of Works:

The project involves the construction, operation, maintenance and protection of two new single circuit 220kV pole transmission lines (called PRM-DEV A and B lines with additions and alterations, to convey electricity between the Bunnythorpe – Haywards A and B Lines (tower 271 and 254 respectively) and a new 220kV substation located adjacent to the existing Paraparaumu substation. The project is described in further detail in the Assessment of Environmental Effects in particular section 4, which supports the NoR.

Designated land:

Parcel Descriptions - 3970045, Full Appellation - Lot 1 DP 79002

Parcel Descriptions - 3876099, Full Appellation – PT BLK III Kaitawa SD

Parcel Descriptions - 3883634, Full Appellation – SEC 1 SO 34727

Parcel Description – 3775922, Full Appellation – PT SEC 1 SO 16718

Parcel Description – 3864021, Full Appellation – PT SEC 14 BLK XIII Kaitawa SD

Parcel Description – 4089881, Full Appellation – Valley Road

Location:

Land is located adjacent to the existing Paraparaumu Station and Bunnythorpe and Haywards A and B Lines. The site and the extent of the proposed designation is shown on the NoR plans as Appendix K.

Zone:

Rural, Open Space and Residential

Alteration to Paraparaumu Substation - Council Reference RM130075

Scope of Works:

The project involves the construction, operation, maintenance and protection of a new substation which would serve as a termination point for the new 220kV pole transmission line between Bunnythorpe – Haywards A and B lines. The project is described in further detail in the Assessment of Environmental Effects in particular section 4, which supports the NoR.

Designated land:

Parcel Descriptions - 3883634, Full Appellation – SEC 1 SO 34727

Parcel Description – 3775922, Full Appellation – PT SEC 1 SO 16718

Parcel Description – 3864021, Full Appellation – PT SEC 14 BLK XIII Kaitawa SD

Location:

Land is located within the existing Transpower Paraparaumu Substation, Valley Road, Paraparaumu. The site and extent of the extended substation is shown on the NoR plans Appendix K. The land to be included in the designation is owned by Transpower.

Zone:

Residential

To assist with the electronic files of the designations I can forward you the shape files for the designation boundary separately. Thanks you for your time on this matter, please contact me if you require further information.

Yours sincerely
TRANSPower NEW ZEALAND LIMITED



Joel de Boer
Senior Environmental Advisor
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Enclosed: Decision of Requiring Authority
 Set of final Designation Conditions 2x - New transmission Lines and Alteration
 to Substation

Decision by Transpower New Zealand Limited Paraparaumu 220kV Supply Connection Project Kapiti Coast District Council

Reference RM130075

1. Decision on Recommendation to Transpower

The hearing panel appointed by Kapiti Coast District Council (consisting of two independent Commissioners and one elected counsellor) have recommended that Transpower New Zealand Limited (Transpower) confirm the two notices of requirement for:

1. a designation for the Paraparaumu 220kV Supply Connection comprising the construction, operation, maintenance and protection of two new single circuit 220kV pole transmission lines (called PRM-DEV A and B lines with additions and alterations, to convey electricity between the Bunnythorpe – Haywards A and B Lines (tower 271 and 254 respectively) and a new 220kV substation located adjacent to the existing Paraparaumu substation, and
2. an alter the existing designation for the Paraparaumu Substation by extending the designation area to encompass the proposed construction, operation, maintenance and protection of a new substation which would serve as a termination point for the new 220kV pole transmission line between Bunnythorpe – Haywards A and B lines. KCDC ref D0801.

In accordance with section 172 of the Resource Management Act 1991 (RMA), the decision of Transpower is to:

- accept the Commissioners' recommendations and accept in part the recommended conditions for the new designation for the Paraparaumu 220kV Connection Supply Project.
- accept the Commissioners' recommendations and accept in part the recommended conditions for the designation alteration to the existing Paraparaumu Substation.

The reasons for Transpower's decision are set out below.

2. Decision on Recommended Conditions Accepted

Transpower accepts without modification the following conditions recommended by the Commissioners:

Notice of Requirement Conditions – Designation (New)

- Conditions 1 and 2 – General
- Conditions 3 and 4 – Tower Heights and Locations

- Condition 5 – Cultural/ Spiritual
- Conditions 6 to 8 – Electric and Magnetic Fields, Radio Frequency Interference and Earth Potential Rise/ Induced Currents,
- Conditions 9 to 11 – Construction Noise and Vibration
- Condition 12 – Construction Management Plan
- Condition 13 – Construction entranceways off public roads
- Conditions 14 – Site remediation
- Condition 15 – Monitoring Fees
- Conditions 16 - Operational Conditions
- Condition 17 and 18 – Maintenance work noise
- Conditions 20 and 21 – 110kV Line Removal and Advise Note

Notice of Requirement Conditions – Designation (Alteration)

- Conditions 1 – General
- Condition 3 – Cultural/Spiritual
- Conditions 4 to 6 – Landscape Mitigation
- Conditions 7 - Electric and Magnetic Fields,
- Condition 8 - Radio Frequency Interference
- Condition 9 and 10 - Earth Potential Rise/ Induced Currents,
- Conditions 11 – Vibration
- Condition 12 – Construction Management Plan
- Conditions 13 and 14 – Construction noise
- Conditions 15 and 16 – Traffic Management Plan
- Conditions 17 and 18 – Construction Traffic
- Condition 19 – Hazardous Substances
- Condition 20 – Monitoring Fees
- Conditions 21 and 22 - Operational Noise
- Conditions 23 and 24 - Maintenance Noise
- Condition 25 – Light Spill
- Condition 26 – As-built Plans
- Condition 27 – Compliance Report

Appendix 1 - Designation Conditions for New Transmission Lines

Purpose

The construction, operation, maintenance and protection of two new single circuit 220kV pole transmission lines with additions and alterations, and ancillary structures and works including but not limited to support structures (poles), conductors, earth wires (including fibre optic telecommunication cables), insulators and fittings, temporary construction areas and facilities, temporary hurdles, earthworks, vegetation removal, vegetation trimming and planting, and construction works.

Land that is subject to the Designation

The designation applies to the land located between the Bunnythorpe – Haywards A and B Lines (towers 271 and 254 respectively) and a new 220kV substation located adjacent to the existing Paraparaumu Substation, to the extent of that shown on the plans listed in Condition 1.

General

1. Subject to the conditions below, the works to give effect to the designation shall be generally in accordance with following information and plans which are held on Council's file RM130075 and available to view at any time the office is open to the public:
 - (a) The application documentation for the Notice of Requirement dated 15 May 2013 and associated Assessment of Environmental Effects dated 15 May 2013;
 - (b) The Land Requirement Plans (Sheet 2 dated 18 March 2013 and Sheet 2 (aerial) dated 18 March 2013); and
 - (c) Plans (PRM-DEV A Alignment (Deviation from BPE-HAY A to PRM SUB) Proposed Route Plan and Profile Structures 271-T-(R,Y,B)-PRMG2; PRM-DEV B Alignment (Deviation from BPE-HAY B to PRM SUB) Proposed Route Plan and Profile Structures 254-T-(R,Y,B)-PRMG1; PRM-DEV B Alignment (Deviation from BPE- HAY B to PRM SUB) Proposed Route Plan and Profile Structures 254-T-(R,Y,B)- PRMG1).
2. Any works authorised by this designation are subject to the Outline Plan of Works requirements in section 176A of the Resource Management Act 1991. In addition to the requirements of section 176A, the Requiring Authority shall submit the following design information as part of the Outline Plan of works in compliance with Transpower New Zealand's internal standards:
 - (a) Geotechnical investigations and earthworks design for the pole platforms and access tracks, including, but not limited to, extent of cut and fill, batter slopes and typical cross-sections

All designs shall be prepared by suitably qualified and experienced person(s) for the respective subject matter.

CONSTRUCTION CONDITIONS

Pole Heights and Locations

3. Pole heights and locations shall be generally in accordance with the plans and profiles (contained in Appendix N of the "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparaumu 220kV Connection Supply, May 2013"), except that:
 - (a) Pole height can exceed that shown on the Transmission Line Plans and Profiles by up to 5 metres for all poles;
 - (b) Where Pole locations are moved in accordance with (c) and (d) below, pole heights can exceed those in the Transmission Line Plans and Profiles in accordance with above;

- (c) Pole sites may be moved up to 20 metres laterally, (but within the designation corridor i.e. swing of lines);
- (d) Pole sites may be moved up to 20 metres in either direction along the transmission line alignment.

Any changes in pole heights and sites in accordance with (a) – (d) above, shall ensure the transmission line (and its safety and operational requirements) is contained within the designated area shown on the 'Land Requirement Plans' contained in Appendix K of the application document, "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparaumu 220kV Connection Supply, May 2013". The term 'laterally,' used in condition (c) shall be measured along a line perpendicular to the transmission line alignment.

- 4. Upon commissioning of the line, a plan shall be submitted to Council's Subdivision Engineer indicating as-built pole heights and locations.

Advice Note: At the hearing Transpower indicated that once the line has been commissioned those parts of the designation that are not required for the long term operation, maintenance and protection of the transmission lines (i.e. land no longer required for construction purposes) would be uplifted. The Council considers this a desirable outcome and encourages Transpower to take the action indicated.

Cultural/spiritual

- 5. If any urupā, traditional sites, taonga (significant artefacts) or kōiwi (human remains) are exposed during site works, then the following procedures shall apply:
 - (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 (Te Ati Awa ki Whakarongotai), the New Zealand Historic Places Trust, Greater Wellington Regional Council, Kāpiti Coast District Council and, in the case of human remains, the New Zealand Police; and
 - (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.

Electric and Magnetic Fields (EMF)

- 6. The works shall be designed and constructed to limit the EMF exposure at or beyond the boundary of the designation to the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (1 Hz to 100 KHz) (Health Physics, Vol 99, No. 6, Pg 818-836, Dec 2010) (ICNIRP Guidelines) to public reference levels of 5 kV/m for electric fields and 200 μ T for magnetic flux density at one metre above ground level under maximum normal operating conditions (i.e. when there are no faults in the transmission system).

Radio frequency interference

- 7. 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.

Earth potential rise / induced currents

- 8. In designing and constructing the line, the Requiring Authority 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.

Construction noise

9. All construction work shall be designed, managed and conducted to ensure that construction noise received beyond the boundaries of the designated area does not exceed the limits in NZS6803:1999 Acoustics - Construction Noise.
10. The noise limits required by Condition 9 shall not apply to:
 - (a) noise generated by helicopters used for construction activities where that noise is generated in accordance with a Construction Management Plan certified pursuant to Condition 12; or
 - (b) emergency work required to re-establish continuity of supply, work 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 (e.g. at night-time).

Vibration

11. Vibration from all construction activities shall not exceed the limits of, and shall be measured and assessed in accordance with, German Standard DIN 4150-3 (1999-02) Structural Vibration — Effects of Vibration on Structures.

Construction Management Plan (CMP)

12. At least 20 working days prior to commencement of any construction activity on the site, the Requiring Authority shall submit a Construction Management Plan ("CMP") to the Council's Subdivision Engineer. The Council's Subdivision Engineer shall make every reasonable effort to respond within 10 working days indicating whether certification is given or refused. Certification shall not be unreasonably withheld. The CMP shall detail:
 - (a) temporary equipment storage;
 - (b) site security and lighting;
 - (c) procedures for temporary storage and handling of hazardous substances, including insulation oil;
 - (d) compliance with designation conditions, including (where applicable) for:
 - i. noise;
 - ii. hours of operation;
 - (e) sediment and erosion control measures (based on the draft Erosion and Sediment Control Plan in Appendix F of the application document, "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparamu 220kV Connection Supply, May 2013");
 - (f) community information and liaison, including any procedures for receiving and responding to complaints, any procedures for managing the effects of noisy construction works and/or machinery (e.g. helicopters);
 - (g) hours of work;
 - (h) traffic management (to address ingress of vehicles off Nīkau Palm Road into the site, including community liaison); and
 - (i) review procedures.

Construction entranceways off public roads

13. The Requiring Authority shall repair any damage to entranceways and public roads in the vicinity of those entranceways resulting from impacts of its construction traffic, including where such locations are beyond the boundaries of the designation.

Site remediation

14. The Requiring Authority shall reinstate:

- (a) areas used as 'temporary construction laydown areas for new transmission lines' (as identified on the 'Overall Project Plan' contained in Appendix L of the application document "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparaumu 220kV Connection Supply, May 2013");
- (b) pole platforms; and
- (c) batter slopes exposed for temporary access track works.

Reinstatement works shall be undertaken as soon as reasonably practicable following the completion of construction works, and shall include re-contouring to resemble the existing landform and re-establishment of pasture grass or other vegetation which are generally consistent with the immediately surrounding areas.

MONITORING FEES

15. The Requiring Authority shall pay the Council Engineering Monitoring Fee of \$228 (GST inclusive) within 1 month of the designation being included in the District Plan (pursuant to s175 of the Resource Management Act 1991) for plan approvals, site inspections and consent compliance monitoring in accordance with the Engineering Fees Schedule adopted by Council from 1 July 2012.

Note: This fee equates to 2 hours work. The current charge out rate for additional time spent is \$114.00 (GST inclusive) per hour. Additional fees may apply in accordance with the Engineering Fees Schedule adopted by the Council from 1 July 2013.

OPERATIONAL CONDITIONS

16. Where any vegetation trimming works are required to maintain electrical safe distances between lines and vegetation in Kaitawa Reserve, the Requiring Authority shall liaise with the Kāpiti Coast District Council Parks & Recreation Department regarding the proposed works, prior to the commencement of any work.

Maintenance work noise

17. All maintenance work shall be designed, managed and undertaken to ensure that maintenance work noise received beyond the boundaries of the designated area does not exceed the limits in NZS6803:1999 Acoustics - Construction Noise as far as practicable.
18. The noise limits required in Condition 17 shall not apply to emergency work required to re-establish continuity of supply, work 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 (e.g, at night-time).

Compliance report

19. Within 6 months of the lines becoming operational, the Requiring Authority shall submit a report to the Council's Subdivision Engineer, detailing how conditions 6, 7 and 8 above have been met.

Advice Note: The Council expects that compliance reporting for radiofrequency interference, electric and magnetic fields, and earth potential rise, should be carried out by an appropriately qualified person.

In undertaking the compliance report for earth potential rise, the Council expects that there would be an assessment of all conductive structures in the vicinity of the transmission line and

that any hazard would undergo a risk assessment in accordance with the Electricity Engineers' Association Guide Power System Earthing Practice.

110kV Line Removal

20. The Requiring Authority shall remove all lines and associated pole and tower structures comprising the MHO-PKK A&B Lines and PKK-TKR A Lines (as described in the application document "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparaumu 220kV Connection Supply, May 2013" between the existing Paraparaumu substation and the southern boundary of the Kāpiti Coast District (where it adjoins Porirua City Council's jurisdiction).

21. The removal of the line and associated poles and towers required by Condition 20 above must be completed no later than 18 months after the new 220kV transmission lines authorised by this designation are made operational.

Advice Note: Conditions 20 and 21 above have been volunteered by Transpower and have accordingly been imposed having regard to the Augier principle. Transpower agreed to remove the MHO-PKK A&B Lines and PKK-TKR A Lines, including all associated pole structures, between the existing Paraparaumu and Pauatahanui substations within 18 months of the date on which the new 220kV transmission lines authorised by this designation are made operational. The Council in forming condition 20 believed that it did not have jurisdiction to impose a condition beyond the boundaries of its District. However Transpower confirmed at the hearing of the notice of requirement concerned that it intended to remove the whole line between the Paraparaumu and Pauatahanui substations.

Appendix 2 - Conditions for Altered Substation Designation

Purpose

The alteration of existing Paraparaumu Substation designation (KCDC Reference D0801) to extend the designated area to include Section 1 SO 34727 for the proposed construction, operation, maintenance and protection of a new substation, including but not limited to all structures and activities including gantries, circuit breakers, switch gear, transformers and other electrical equipment, temporary construction areas and facilities, earthworks, vegetation removal, vegetation trimming and planting, and construction works.

Land that is subject to the Designation

The existing Paraparaumu Substation designation located on Valley Road, Paraparaumu, legally described as Pt Sec 14 Blk XIII Kaitawa SD and Pt Section 1 SO Plan 16718, is to be altered by way of extension to include Section 1 SO 34727.

General

1. Subject to the conditions below, the works to give effect to the designation shall be generally in accordance with the following information and plans which are held on Council's file RM130075 and available to view at any time the office is open to the public:
 - (a) The application documentation for Notice of Requirement dated 15 May 2013 and associated Assessment of Environmental Effects dated 15 May 2013;
 - (b) The Land Requirement Plans (Sheet 1 dated 5 March 2013, Sheet 1 (aerial) dated 5 March 2013, and Sheet 2 dated 18 March 2013, Sheet 2 (aerial) dated 18 March 2013); and
 - (c) The Substation Plan and Profiles (Plans referenced Sk Site Layout NoR Rev 1A, Sk 220kV Sheets 1 -3 Rev 1).
2. Any works authorised by this designation are subject to the Outline Plan of Works requirements in section 176A of the Resource Management Act 1991. In addition to the requirements of section 176A, the Requiring Authority shall submit the design information related to the following features as part of the Outline Plan of works in compliance with Transpower New Zealand's internal standards:
 - (f) oil containment system (including oil plate separator);
 - (g) access ways and vehicle manoeuvring areas;
 - (h) retaining walls;
 - (i) on-site services (traced to outlet or connection with Council's network) for water, wastewater and stormwater. The stormwater design shall achieve hydraulic neutrality for a 100 year design storm (1% annual exceedance probability event), and calculations shall incorporate climate change predictions; and
 - (j) earthworks.

All designs shall be prepared by suitably qualified and experienced person(s) for the respective subject matter.

CONSTRUCTION CONDITIONS

Cultural/spiritual

3. If any urupā, traditional sites, taonga (significant artefacts) or kōiwi (human remains) are exposed during site works, then the following procedures shall apply:
 - (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 (Te Ati Awa ki Whakarongotai), the New Zealand Historic Places Trust, Greater Wellington Regional Council, Kāpiti Coast District Council and, in the case of human remains, the New Zealand Police; and
 - (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.

Landscape mitigation

- 4. A landscape and visual mitigation plan ("LVMP") shall be prepared for the site and submitted to the Council's Subdivision Engineer for certification at least 20 working days prior to construction of works associated with the Paraparamu Supply Connection Project. The Council's Subdivision Engineer shall respond within 10 working days, indicating whether certification is given or refused. Certification shall not be unreasonably withheld. The LVMP shall be in general accordance with the Landscape Strategy Plan as shown on Figure 9 in Appendix E of the application document "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparamu 220kV Connection Supply, May 2013" and shall consist of:
 - (a) planting around the north and east sides of the substation site;
 - (b) a description of the name (including botanical), numbers, location, spacing and size of the plant species.

Provided that suitable sources are available, all indigenous plants shall be propagated from a local, naturally occurring, source.

- 5. Once approved, the LVMP required under Condition 4 may be altered or updated at any time with the certification of the Council's Subdivision Engineer. The Council's Subdivision Engineer shall not unreasonably withhold approval, in particular for any changes to the plan required as a result of expansion of facilities within the substation site. Irrespective of whether the extent of landscaping is reduced as a result of that expansion, certification will not be withheld provided that any altered or updated LVMP is in general accordance with the Landscape Strategy Plan.
- 6. The Requiring Authority shall implement the LVMP within the first planting season following completion of bulk earthworks on the site; and shall thereafter maintain the planting to the satisfaction of the Council's Subdivision Engineer (or appointed representative).

Electric and Magnetic Fields (EMF)

- 7. The works shall be designed and constructed to limit the EMF exposure at or beyond the secure boundary of the substation site to the International Commission on Non-Ionising Radiation Protection Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (1 Hz to 100 kHz) (Health Physics, Vol 99, No. 6, Pg 818-836, Dec 2010) (ICNIRP Guidelines) to public reference levels of 5 kV/m for electric fields and 200 μ T 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).

Radio frequency interference

- 8. 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.

Earth potential rise / induced currents

9. In designing and constructing the substation, the Requiring Authority 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.
10. Substation earth grids shall be designed, built, and tested to ensure electrical safety at or beyond the designation boundary in accordance with Transpower Standard TP.DS.52.01, Issue 2, January 2005.

Vibration

11. Vibration from all construction activities shall not exceed the limits of, and shall be measured and assessed in accordance with, German Standard DIN 4150-3 (1999-02) *Structural Vibration — Effects of Vibration on Structures*.

Construction Management Plan (CMP)

12. At least 20 working days prior to commencement of any construction activity on the site, the Requiring Authority shall submit a Construction Management Plan ("CMP") to the Council's Subdivision Engineer. The Council's Subdivision Engineer shall make every reasonable effort to respond within 10 working days indicating whether certification is given or refused. Certification shall not be unreasonably withheld. The CMP shall detail:
 - (a) temporary equipment storage;
 - (b) site security and lighting;
 - (c) procedures for temporary storage and handling of hazardous substances, including insulation oil;
 - (d) compliance with designation conditions, including (where applicable) for:
 - i. noise and vibration;
 - ii. hours of operation;
 - (e) sediment and erosion control measures (based on the draft Erosion and Sediment Control Plan in Appendix F of the application document "Notices of Requirement, Resource Consent Applications and Assessment of Environmental Effects, Paraparaumu 220kV Connection Supply, May 2013");
 - (f) community information and liaison, including any procedures for receiving and responding to complaints, and any procedures for managing the effects of noisy construction works and/or machinery;
 - (g) hours of work;
 - (h) general construction traffic management (excluding transformers), including:
 - i. full details of any works, management techniques or other methods proposed to manage potential adverse effects on the safe and efficient operation of Kapiti Road, Hinemoa Street, Ruapehu Street and Valley Road, including (but not limited to):
 - a. effects on the availability of kerbside parking on the above streets;
 - b. effects of construction traffic movements on Paraparaumu School, with particular regard to vehicle movements during the hours of 8:30am- 9:00am and 3:00pm-3:30pm Monday through Friday; and
 - c. effects of vehicle movements on pedestrians and cyclists on the above streets; and
 - (i) review procedures.

Construction noise

13. All construction work shall be designed, managed and conducted to ensure that construction noise from the site does not exceed the limits in NZ56803:1999 Acoustics - Construction Noise as far as practicable.

14. The noise limits required by condition 13 shall not apply to emergency work required to re-establish continuity of supply, work urgently required to prevent loss of life or other personal injury, or commissioning works at the substation site, 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 (e.g. at night-time).

Transportation Management Plan (TMP)

15. A transportation management plan (TMP) shall be prepared in relation to the transformer transportation from the port of arrival to the substation, after consultation with the following:
 - (a) the relevant road-controlling authorities including Kāpiti Coast District Council;
 - (b) New Zealand Transport Agency (NZTA);
 - (c) New Zealand Police;
 - (d) Paraparaumu School; and
 - (e) key stakeholders identified by the organisations listed above in (a)—(c).
16. The TMP shall be submitted to the Council's Subdivision Engineer for certification, and to the other parties listed in Condition 15 for information purposes, at least 20 working days prior to construction works commencing at the substation site. The Council's Subdivision Engineer shall make every reasonable effort to respond within 10 working days indicating whether certification is given or refused (such certification shall not be unreasonably withheld). The TMP shall contain a methodology statement specifying the route and full details of :
 - i. deviations to avoid low over-bridges;
 - ii. temporary bridge strengthening (where required);
 - iii. road closures or other temporary traffic control measures (including any associated signage) required; and
 - iv. contingency plans, should the transporter have mechanical problems.

Construction traffic

17. During construction associated with the 220kV switchyard, all access to the substation site associated with construction of the substation equipment shall be via the two access points off Ruapehu Street that connect on to Valley Road.
18. All parking associated with construction activities shall be provided within the substation site, where practicable.

Hazardous substances

19. Any part of the facility containing oil shall be designed to comply with Transpower's Oil Spill Management Policy (TPG:GS.54.01), Issue 2, June 2002.

MONITORING FEES

20. The Requiring Authority shall pay the Council Engineering Monitoring Fee of \$228 (GST inclusive) within 1 month of the designation being included in the District Plan (pursuant to s175 of the Resource Management Act 1991) for plan approvals, site inspections and consent compliance monitoring in accordance with the Engineering Fees Schedule adopted by Council from 1 July 2013.

Note: This fee equates to 2 hours work. The current charge out rate for additional time spent is \$114.00 (GST inclusive) per hour. Additional fees may apply in

accordance with the Engineering Fees Schedule adopted by the Council from 1 July 2013.

OPERATIONAL CONDITIONS

Operational Noise

21. All activities within the designation (except for construction and maintenance works) shall be designed and operated to ensure that the following noise limits shall not be exceeded at or within the boundary of any residentially zoned site:
- (a) All days 7.00 am to 10 pm 50 dBA L10
 - (b) All nights 10 pm to 7 am 45 dBA L10
 - (c) All nights 10 pm to 7 am 75 dBA Lmax

Sound levels shall be measured and assessed in accordance with NZS6801:1991 *Measurement of Sound* and NZS6802:1991 *Assessment of Environmental Sound*.

22. Sound monitoring shall be undertaken by a suitably qualified and experienced person within three months of the commissioning of any new transformer. The results of the noise monitoring shall be made available to the Council's Subdivision Engineer within four months of the commissioning of any new transformer. The monitoring results shall include a description of the operational status of the substation at the time(s) of monitoring.

Maintenance noise

23. All maintenance work shall be designed, managed and conducted to ensure that maintenance noise from the site does not exceed the limits in NZ56803:1999 *Acoustics - Construction Noise* as far as practicable.
24. The noise limits required by condition 23 shall not apply to emergency work required to re-establish continuity of supply, work urgently required to prevent loss of life or other personal injury, or commissioning works at the substation site, 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 (e.g. at night-time).

Light Spill

25. All exterior lighting shall be directed so that spill of light will be contained within the boundaries of the substation site. Light level from the activity on the site shall not exceed 10 lux, measured 1.5 metres inside the boundary of any adjoining rural or residential property, and shall comply with:
- (a) AS/NZS 1158 *Lighting for Roads and Public Spaces* 2005 Part 3.1; and
 - (b) Transpower's *Requirements for Outdoor Switchyard Lighting Policy* TP GS41.01, Issue 3, April 2006.

As-built Plans

26. Upon commissioning of the substation, detailed 'as-built' plans shall be provided of the following engineering components to the Council's Subdivision Engineer:
- (a) oil containment system;
 - (b) access ways and manoeuvring areas; and
 - (c) on-site services (traced to outlet or connection with Council's network) for water, wastewater and stormwater (including treatment system).

Compliance report

27. Within 6 months of the substation becoming operational, the Requiring Authority shall submit a report to the Council's Subdivision Engineer, detailing how Conditions 7 and 8 above have been met.

