



## C O U N T I E S P O W E R

30 September 2016

[unitaryplan@aucklandcouncil.govt.nz](mailto:unitaryplan@aucklandcouncil.govt.nz)

Dear Sir/Madam

### CONFIRMATION OF COUNTIES POWER'S DESIGNATIONS

We write to provide Counties Power's decisions on its designations under Section 151(2) of the Local Government (Auckland Transitional Provisions) Act 2010 ("LGATP").

#### Decision on the Council's recommendation

In summary, Counties Power accepts the recommendation of the Auckland Council in full and has not rejected or modified any of the changes which were recommended by the Council.

#### Final Decision on Designations

Counties Power confirms Designations 3000, 3001, 3002, 3003, 3004, 3005, 3006 and R3008 as detailed in the table in **Appendix A**. The following designations have been confirmed with some minor amendments in addition to those in the Council's recommendation:

#### Designation 3004

The lapse date for 3004 has been amended as per Council's preference for a specified date.

#### Designation 3006

Minor typographical corrections have been made.

#### Designation R3008

Minor typographical corrections have been made.

The PAUP:DV Maps need updating to reflect the text as amended. The designation on the Map Viewer should be consequentially amended as follows:

"Designations: Designations - ID 3008, ~~Power, existing and future~~ electricityal supply ~~purposes infrastructure~~, Designations, Counties Power Ltd"

#### Designation 3005

A figure and the last advice note of 3005 have been removed as these relate to areas of the designation outside Auckland Council's area and which are best addressed by the designation in the Waikato District.

#### Counties Power Limited

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During the course of the PAUP process, this designation has also been given effect to. Therefore further modifications are proposed to this designation to:

- record the fact it has been given effect to and remove the lapse date; and
- remove the designation from 51 Logan Road (see **Appendix D**). The designation was for a 15m wide corridor within which a new electricity line would be developed. The designation is subject to condition 14 which requires that once the new electricity line is commissioned, that the width of the designation corridor is reviewed. Counties Power has undertaken this review and has identified there is one parcel which no longer needs to be subject to the designation due to the location of the line as constructed. Further amendments to comply with Condition 14 will need to be done outside the limitations of the PAUP process.

#### Information Provided in Support of this Decision

Please find enclosed (pursuant to the RMA, the LGATP and the Council's letters dated 23 June and 8 August 2016):

1. A table (**Appendix A**) setting out Counties Power's decision on:
  - a. the Council's recommendation under section 148(4)(b) of the LGATP; and
  - b. the designations;
2. A "clean set" of the designation provisions (**Appendix B**);
3. A "mark-up" of the designation provisions in comparison to the notified version of September 2013 (**Appendix C**); and
4. A plan (**Appendix D**) showing the mapping amendment to Designation 3005.

We have provided electronic copies of the above, including both Word and pdf versions of Appendix B and C above, and a shape file of Designation 3005 as amended by the removal of 51 Logan Road from the designation.

We understand from Council's letter that it does not require a summary of decision as it does not intend to send these to submitters/land owners. Counties Power owns all the land subject to most of its designations with the exception of 3004 (it has an option on this land) and 3005 (which affects Kiwirail's corridor, public road and seven parcels of private land). Counties Power will undertake some consultation with the private landowners involved in these two designations.

The provided mark-up of the changes compares the decision to the designations as notified in September 2013. On the mark-ups:

- **orange** changes show amendments in accordance with the Council's recommendations. These include Council's clause 16 amendments as advised to Topic 074 on 12 June 2015.
- Any further modifications are shown in **red** and are considered to be minor modifications which are not inconsistent with the requirement as notified as is provided for in Section 151(3) of the LGATP.

We have not adjusted the formatting of the numbered and bulleted text in the mark ups however we note that we anticipate that the Council will address this in the final formatting of decisions.


#### Contact Person

We confirm that the relevant contact person for these designations at Counties Power is Rachel Bilbe, [Rachel.Bilbe@countiespower.com](mailto:Rachel.Bilbe@countiespower.com) or 09237 0312 and any enquiries the Council receives from land owners or submitters should be directed to Rachel. Should the Council's planning team have

any questions on the decision, please contact our consultant planner, Christine Coste, Boffa Miskell Limited on 09 357 4407 or [Christine.coste@boffamiskell.co.nz](mailto:Christine.coste@boffamiskell.co.nz).

Please do not hesitate to contact Rachel or Christine if you have any further questions on the above.

Yours faithfully



Geoff Douch

General Manager, Asset Management

Appendix A: Counties Power Decisions on Rollover Designations and Notices of Requirement in the Proposed Auckland Unitary Plan

Designation Number and Name	Designation Location	Council Recommendation	CP's Decision on Council's Recommendation	CP's Decision on the Designation	Summary of Modification to the designation <sup>5</sup>	CP's reasons for decision (if reject or modify)
3000	104 Manukau Road, Pukekohe	Confirm <sup>1</sup>	Accept	Confirm		
3001	125 Kitchener Road, Waiuku	Confirm <sup>1</sup>	Accept	Confirm with modification	As per Council's recommendation	
3002	Batty Road (Lot 1 DP56769), Kingseat	Confirm <sup>1</sup>	Accept	Confirm		
3003	Hillview Road (Lot 1 DP 109070), Ramarama	Confirm <sup>1</sup>	Accept	Confirm		
3004	Cornwall Road (part of Lot 2 DP384042), Waiuku	Confirm <sup>2 and 4</sup>	Accept	Confirm with modification	<ol style="list-style-type: none"> <li>Lapse date of 31 August 2022 provided in accordance with Council's request for a specific lapse date assuming a PAUP operative date of 31 August 2017.</li> <li>As per Council's recommendation</li> </ol>	<ol style="list-style-type: none"> <li>Designations 3004 and R3008 are the only designations which have not been give effect to. Council and Counties Power agreed with regard to 3005 and R3008 to provide a specified lapse date. It is assumed this is also required for 3004 – however as notified Designation 3004 stated 5 years, the lapse year of 2022 rather than 2027 has been used.</li> </ol>
3005	104 Manukau Road to Buckland Road, Pukekohe	Confirm <sup>2 and 4</sup>	Accept	Confirm with modification	<ol style="list-style-type: none"> <li>The proposed electricity line has now been constructed and therefore the designation has been given effect to. This needs to be reflected in the box on the first page and lapse date removed.</li> <li>Condition 14 of the designation requires the width of the designated corridor to be reviewed after commissioning of the line. As a result the mapped extent of the designation has been removed from 51 Logan Road as shown in the appended map.</li> <li>Advice note 7 has been deleted as this relates to the part of the designation now in Waikato District. (Plan Change 22 to the Franklin District Plan related to an industrial area for Tuakau).</li> <li>Delete Figure 3</li> <li>As per Council's recommendation</li> </ol>	<ol style="list-style-type: none"> <li>The line has been given effect to, therefore it is appropriate for the designation to be updated to reflect this before it is finalised.</li> <li>Condition 14 requires this review, and this results in the designation being removed from 51 Logan Road.</li> <li>Advice Note 7 does not apply to land now in Auckland Council and applies only to the part of the designation in Waikato District.</li> <li>Figure 3 relates to Tuakau in the Waikato District so is not required for the area in Designation 3005.</li> </ol>
3006	9 Ponga Road, Opaheke	Confirm <sup>1</sup>	Accept	Confirm with modification	<ol style="list-style-type: none"> <li>Typographical error in condition 9</li> <li>As per Council's recommendation</li> </ol>	<ol style="list-style-type: none"> <li>"for" added for clarify of the sentence.</li> </ol>
R3008 Glenbrook	Whitham Road (Lot 1 DP175576), Glenbrook	Confirm <sup>3 and 4</sup>	Accept	Confirm with modification	<ol style="list-style-type: none"> <li>Consequential amendment to wording of designation notations on PAUP Map Viewer: "Designations: Designations - ID 3008, <del>Power, existing and future</del> electricity supply <del>purposes infrastructure</del>, Designations, Counties Power Ltd"</li> <li>Lapse date of 31 August 2027 provided in accordance with Council's request for a specific lapse date assuming a PAUP operative date of 31 August 2017.</li> <li>As per Council's recommendation</li> </ol>	<ol style="list-style-type: none"> <li>The PAUP Maps information does not match the PAUP Text (as per the Council's recommendation) and should be updated.</li> <li>Designations 3004 and R3008 are the only ones which have not been give effect to. Council and Counties Power agreed to provide a specified lapse date.</li> </ol>

Note 1: Recommendation 12 (pg 20 of 41) of Attachment E to the Decisions of Auckland Council – dated 19 August 2016 (and which references Section 7 of IHP "Report to Auckland Council Hearing topic 074 Designations – Counties Power Ltd – Minor matters and errors, May 2016)

Note 2: Recommendation 11 (pg 20 of 41) of Attachment E to the Decisions of Auckland Council – dated 19 August 2016 (and which references Section 4 of IHP "Report to Auckland Council Hearing topic 074 Designations – Counties Power Ltd – Designations 3004, 3005, May 2016)

Note 3: Recommendation 13 (pg 20 of 41) of Attachment E to the Decisions of Auckland Council – dated 19 August 2016 (and which references Section 7 of IHP "Report to Auckland Council Hearing topic 074 Designations R3008, Substation and Ancillary Works, May 2016)

Note 4: List of Minor Amendments to Designations identified by Auckland Council, dated 12 June 2015 (under AUPHP website, 'Hearings' tab, Topic 074, 'Documents' tab)

Note 5: on the appended mark-up of the designations all changes consistent with the Council's recommendation are shown in orange. Any further modifications made by Counties Power in making its decision are shown in red.

**Counties Power Ltd****Designation Schedule - Counties Power Ltd**

Number	Purpose	Location
3000	Electricity supply purposes	104 Manukau Road, Pukekohe
3001	Electricity supply purposes	125 Kitchener Road, Waiuku
3002	Electricity supply purposes	Batty Road (Lot 1 DP 56769), Kingseat
3003	Electricity supply purposes	Hillview Road (Lot 1 DP 109070), Ramarama
3004	Electricity supply purposes	Cornwall Road (part of Lot 2 DP 384042), Waiuku
3005	Electricity supply purposes - (Pukekohe to Tuakau 110kV overhead electricity line)	104 Manukau Road to Buckland Road, Pukekohe
3006	Electricity supply purposes	9 Ponga Road, Opaheke
R3008	Electrical supply purposes_	Whitham Road (Lot 1 DP 175576), Glenbrook

**3000 Pukekohe Substation**

Designation Number	3000
Requiring Authority	Counties Power Ltd
Location	104 Manukau Road, Pukekohe
Rollover Designation	Yes
Legacy Reference	Designation 1, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

**Purpose**

Electricity supply purposes.

**Conditions**

No conditions.

**Attachments**

No attachments.

**3001 Waiuku Substation (Kitchener Road)**

Designation Number	3001
Requiring Authority	Counties Power Ltd
Location	125 Kitchener Road, Waiuku
Rollover Designation	Yes
Legacy Reference	Designation 2, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

## Purpose

Electricity supply purposes.

## Conditions

No conditions.

## Attachments

No attachments.

### 3002 Te Hihi Substation

Designation Number	3002
Requiring Authority	Counties Power Ltd
Location	Batty Road (Lot 1 DP 56769), Kingseat
Rollover Designation	Yes
Legacy Reference	Designation 3, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

## Purpose

Electricity supply purposes.

## Conditions

No conditions.

## Attachments

No attachments.

### 3003 Ramarama Substation

Designation Number	3003
Requiring Authority	Counties Power Ltd
Location	Hillview Road (Lot 1 DP 109070), Ramarama
Rollover Designation	Yes
Legacy Reference	Designation 7, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

## Purpose

Electricity supply purposes.

## Conditions

No conditions.

## Attachments

No attachments.

### 3004 Waiuku Substation (Cornwall Road)

Designation Number	3004
Requiring Authority	Counties Power Ltd
Location	Cornwall Road (part of Lot 2 DP 384042), Waiuku
Rollover Designation	Yes
Legacy Reference	Designation 150, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	31 August 2022, unless given effect to prior

## Purpose

Electricity supply purposes.

## Conditions

### 1. Establishment of Substation on Site

The Outline Plan of Works for the establishment of the substation on the site must comply with the following:

- a. The works to give effect to the designation must be undertaken in general accordance with the information submitted by Counties Power in support of the Notice of Requirement contained in the document titled: Notice of Requirement for a Designation for a New Electricity Substation in Waiuku, Notice of Requirement and assessment of Environmental Effects dated August 2007 prepared by Boffa Miskell and additional information dated 12 October 2007 (and any subsequent addenda or errata provided by the requiring authority at or before the hearing of the Notice of Requirement on 25 February 2008).
- b. The Outline Plan of Works to be submitted pursuant to section 176A of the Resource Management Act 1991 to establish the substation on site shall include the following:
  - i. Construction Management Plan;
  - ii. Traffic Management Plan;
  - iii. Property and Landscape Management Plan; and
  - iv. Design and layout of the substation.
- c. The Construction Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.b.i. must include:
  - i. Indicative plan/report for the sequence of activities (inclusive of earthworks and volumes) proposed;
  - ii. The timing of the activities;
  - iii. The name and contact details of project manager;
  - vi. The expected duration of the works;
  - v. The requiring authority must also circulate the Construction Management Plan prior to construction commencing to all directly adjoining neighbours, Glenbrook Vintage Railway and occupiers of 121 Collingwood Road;
  - vi. An accidental discovery protocol for archaeological remains and a commitment to include site works methodology incorporating the supervision of the earthworks by an iwi representative; and
  - vii. Silt, dust and sediment controls associated with earthworks.
- d. The Traffic Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.b.ii. must be prepared by a suitably qualified person for the purposes of working on, or in close proximity to roads and public places.

e. The Property and Landscape Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.b.ii. shall detail species, gardening and maintenance specifications. The Property and Landscape Plan must incorporate the following elements:

- i. Identification of all hard and soft landscape works (including fences) and how landscaping will provide a buffer between the activity and adjacent Glenbrook Vintage Railway reserve, nearby dwellings and roads;
- ii. Details of the intended species, preferably natives, plant sizes at the time of planting, their likely heights on maturity and how planting will be staged, established and maintained;
- iii. A commitment to replacing planting if the initial work fails;
- iv. Provisions and methods to ensure landscaping works do not unduly interfere with any overland flow path;
- v. A water supply to ensure that all plantings are maintained in perpetuity;
- vi. A colour scheme to mitigate adverse visual effects and ensure low reflectivity of external surfaces of structures on the site;
- vii. Maintenance and upkeep of structures;
- viii. Demonstrate evidence of consultation and input with Glenbrook Vintage Railway in the landscape design;
- ix. Demonstrate evidence of consultation with the owner of 121 Collingwood Road on stormwater design and treatment;
- x. Plantings shall be designed so as to comply with Electricity (Hazards from Trees) Regulations 2003 or successor; and
- xi. Substation compound and building shall be setback at least 3m from all boundaries.

The Property and Landscape Management Plan must be given effect to as soon as reasonably possible following the approval of the plan and no later than the first planting season following completion of the works on the site. The landscaping must be irrigated and maintained for the life of the substation.

f. The substation must be designed and constructed in such a manner as to comply with the following noise emission standards. The noise level measured within the notional boundary (a line 20m from the façade of any dwelling) or legal boundary (where this is closer) of any existing dwelling shall not exceed the following limits:

7.00 am – 8.00 pm	50dBA L10
8.00 pm – 7.00 am	40dBA L10
10.00 pm – 7.00 am	65dBA

The noise levels must be measured and assessed in accordance with the requirements of NZS 6801:1991 Measurement of Sound and NZS 6802:1991 Assessment of Environmental Sound.

g. The requiring authority must submit, to Auckland Council within three months of commissioning the substation, an acoustic design certificate provided by a qualified acoustic engineer confirming that the design will ensure compliance with the performance standard set out in condition 1.f.

## 2. Timeframe of Designation

Pursuant to section 184(1)(c) of the Resource Management Act 1991, the expiry period for the designation for construction, operation and maintenance of an electricity substation at a nominal voltage of up to 110kV on part of a property legally described as Lot 2 DP 384042, shall be ten years.

## 3. Decommissioning Existing Substation

Within one year of the commencement of operation of the new substation, the existing substation on Kitchener Road shall be decommissioned and a decommissioning plan shall be submitted to Auckland Council pursuant to section 176A of the Resource Management Act 1991.

## 4. Earthworks Associated with any Site Development

a. Prior to commencing any earthworks the Requiring Authority must install all the necessary erosion and sediment control measures as shown in the Auckland Council's TP 90 and be responsible for preventing, controlling and stopping the loss of soil and silt and any damage caused by earthworks on adjacent properties. All necessary erosion and sediment measures once installed are to be maintained to ensure continual operation until the development has been completed and the site fully stabilized.



b. All earthworks must occur between the hours of 7.00 am and 6.00 pm Monday to Saturday.

### **5. Overland Flow**

a. The finished land level and grade of the earthworks and land forming must be such that it does not impede, restrict or block the existing overland flow from adjacent properties and that an adequate flow path over the site shall be maintained.

b. The finished land level and grade of the earthworks and land forming must be such that it does not divert, redirect and concentrate runoff onto adjacent properties.

### **6. Noise during Construction**

That the Requiring Authority must comply with the noise standards set out in Acoustic Construction Noise NZS 16803:1999 at all times while any construction works are being constructed on site.

### **7. Site Access**

The site must be secure from unauthorised public access at all times during construction.

### **8. Lighting**

All exterior on-site lighting must be positioned and aimed within the site, away from adjacent properties and public roads so as to minimise the level of spill light and glare.

### **9. Hazardous Substances**

The Requiring Authority must ensure that any transformer oil storage areas are bunded. Bunds shall be sufficient capacity to contain the release from the total volume of all storage vessels located in each bunded area.

### **10. Surface Water**

The Requiring Authority must maintain and regularly clean all stormwater catch pits, channels, grates, pipes and other stormwater collection systems to ensure they operate in an effective manner.

### **11. Electrical Interference**

The Requiring Authority must make every reasonable effort to ensure that the electrical supply substation is operated, managed and controlled so that there is no electrical interference with television or radio reception at any adjacent property including complying with the requirements of the Radio Communications Regulations 2001, the Ministry of Economic Development's Radio Spectrum Management "Compliance Guide" (November 2004) and relevant Gazetted Notices.

### **Advice Notes**

1. The Requiring Authority will need to obtain all other necessary resource consents and permits, including those under the Building Act 2004 and any resource consents required by Auckland Council under the regional plans.

2. The Requiring Authority is advised that once the designation has been formalised, any minor alteration or omissions to the designated area should be rectified through alterations of the designation pursuant to section 181 of the Resource Management Act 1991.

3. The Requiring Authority is advised of its statutory obligations under section 172 of the Resource Management Act 1991, which include the following:

- a. Within 30 working days of receiving Council's recommendation, the Requiring Authority is required to advise Council whether it accepts or rejects the recommendation in whole or in part;
- b. The Requiring Authority shall only modify the requirement if, and only if the modifications are recommended by Council or are not inconsistent with the requirement as notified; and
- c. Where the Requiring Authority rejects the recommendation in whole or in part, or modifies the requirement, the authority shall give reasons for its decision.

4. Counties Power should ensure that prior to construction, formal contact is made and permission or consents are obtained as required from the operators of any network utilities where their services and facilities may be affected by the construction works for the project.

5. As soon as reasonably possible following its purchase of the site, Counties Power should carry out initial planting in line with the anticipated requirements of the Property and Landscape Management Plan, particularly near the boundary with the Glenbrook Vintage Railway. The purpose of this initial planting is to ensure that some screening is established on site before the substation is built. When the site is developed for its designated purpose, as far as reasonably possible these existing plants should be incorporated into the Property and Landscape Management Plan.

6. That an Outline Plan of Works pursuant to section 176A of the Resource Management Act 1991 shall be submitted to Auckland Council prior to construction. These detailed plans will need to show the measures that will be implemented to avoid, remedy or mitigate any adverse effects on the environment. These details will also confirm whether any resource consents may be required.

7. That pursuant to sections 35 and 36 of the Resource Management Act 1991 the actual and reasonable costs incurred by Council in monitoring conditions of this recommendation shall be paid by Counties Power.

## Attachments

No attachments.

## 3005 Pukekohe to Tuakau Line

Designation Number	3005
Requiring Authority	Counties Power Ltd
Location	104 Manukau Road, Pukekohe to Buckland Road, Buckland (to Waikato District Council boundary)
Rollover Designation	Yes
Legacy Reference	Designation 151, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

## Purpose

Electricity supply purposes – (Pukekohe to Tuakau 110kV overhead electricity line).

## Conditions

### 1. Plan Information

That the works to give effect to the new Designation for the construction, operation, maintenance and modification of one overhead electricity line of up to 110kV nominal voltage, shall be in accordance with:

- a. The Notice of Requirement;
- b. The Assessment of Environmental Effects prepared by Boffa Miskell, titled Counties Power, Notice of Requirement for a Designation for 110kV Electricity Line from Pukekohe Substation to Proposed Tuakau Substation, Volumes I, II and III and the additional information supplied to Council dated 11 December 2007 and 24 January 2008 (and any subsequent addenda or errata provided by the requiring authority at or before the hearing of the Notices of Requirement on 18 and 19 February 2008);
- c. The Designation plans prepared by Boffa Miskell titled 'Counties Power, Proposed Corridor for New Electricity Line', Drawings 01104-000 to 01104-013, 01104-017 to 01104-018 provided as further information but superseded by Drawings 01104\_19 and 01104\_20 presented at the hearing. NB Drawings 01104-000 (providing

an overview of the route) and 01104 019 are appended as Figures 1-2;

d. The designation is to provide for the construction, operation, maintenance and modification of one overhead electricity line of up to 110kV nominal voltage comprising a maximum of three conductors (i.e. lines), one earth wire and one fibre optic cable, and local electricity distribution lines where it would be appropriate and promote efficiency of the network, these supported above ground level by poles spaced at an average of at least 80m apart plus all necessary ancillary fixtures and fittings; and

e. Subject to any amendments required by the following conditions and any other minor alterations proposed by Counties Power to the satisfaction of Auckland Council.

## **2. Buckland Screen Planting**

Counties Power, when formulating the Outline Plan, shall liaise with Ontrack, Auckland Council and the Buckland Community Centre to ascertain an appropriate and practical extent of screen planting through Buckland village alongside the poles and will provide detail of such planting in the Outline Plan. The purpose of such planting will be to supplement the mitigation provided by undergrounding of the local lines and the extent and placement of screen planting shall also take into account the requirements of Ontrack to ensure the safe and efficient operation of the railway corridor.

## **3. Maximum Number of Pylons**

The maximum number of pylons used as part of the support structures for the line shall be restricted to two (2) to overcome topographical features.

## **4. Nuisance Mitigation**

That Counties Power and its contractors take all reasonable steps to prevent or mitigate any nuisance to adjacent properties during construction.

## **5. Construction Management Plan**

Prior to the commencement of any earthworks or construction activity on the designated site excluding site investigations, Counties Power shall prepare a Construction Management Plan and submit that plan for the approval of the Auckland Council. The Construction Management Plan shall include the procedures, methods and measures to be applied to address the following:

- a. Exclusion of the public from the construction site;
- b. Dust arising due to construction;
- c. Prior notification to landowners of the use of machinery likely to generate vibration effects to dwellings, where such vibrations may be felt in the process to be followed to ensure that such effects are addressed;
- d. Maintenance of road, rail and property access during construction;
- e. Movement of construction traffic on local roads;
- f. Hours of operation of trucks and service vehicles;
- g. A single point of contact to field general enquiries and complaints from the public;
- h. The control of stormwater, runoff, sediment and contaminants during construction;
- i. Methods for earthworks, stormwater control, sediment control, replanting of any exposed areas; and
- j. Traffic management around the local roads during construction.

## **6. Liaison Person**

That a permanent liaison person shall be immediately appointed by Counties Power for the duration of the works and be a readily accessible point of contact for persons affected by the designation and construction works. Counties Power shall advise the liaison person's name and contact details to affected parties. This person must be available for ongoing consultation on all matters of concern to affected persons and provide a timetable as to the construction works to adjoining property owners and occupiers.

## **7. Maximum Capacity of Transmission Line**

The electricity line is to comprise a maximum of one 110kV circuit (comprising 3 conductor wires and an earth wire) plus lower voltage circuits where required and a maximum of one fibre optic cable, supported on poles generally as described in section 4.2 of the Assessment of Environmental Effects submitted with the application, or on pylons if required to cross the gully at grid reference V11 on Drawing 01104-006 to X12 on Drawing 01104-007.

## **8. Width of the Designation**

The width of the designation is generally to be in accordance with the representations shown on Drawings 01104-000 to 01104-013 submitted as part of the application.

## **9. Written Approval**

Counties Power is to grant its written approval (as requiring authority) under sections 176(1)(b) and 178(1) of the Resource Management Act 1991 to enable the New Zealand Railways Corporation, or any other party authorised by New Zealand Railways Corporation, to undertake any activity on the land that is authorised by the existing rail designation and / or to undertake any other activity on the land that will not prejudice Counties Power's rights under its occupancy agreement with New Zealand Railways Corporation.

## **10. Removal of Local Transmission Lines**

Counties Power shall mitigate the visual impact of the new line by removing some existing local transmission lines as follows:

- a. The removal of the existing 400V overhead local lines on the eastern side of Station Road (adjacent to the A and P showgrounds) within 1 year of the commissioning of the Pukekohe - Tuakau 110kV line;
- b. Unless removed earlier, the second set of overhead local lines (currently at 11kV but planned to be upgraded to 22kV) on the eastern side of Station Road and adjacent to the A and P Showgrounds shall be removed within 2 years of the zoning of the A and P Showgrounds land for high density urban intensification being notified as part of a Plan Change;
- c. The existing local lines on the eastern side of Station Road from alongside Lot 1 DP 101010 to alongside Lot 2 DP 91559 shall be removed within 2 years of the zoning of this land for Residential use being notified as part of a Plan Change.
- d. Removal of the existing lines where the route passes Residential zoned land in Buckland, generally as shown on Drawing 01104\_019 (supplied at the hearing) – refer appended Figure 2;
- e. Removal of the existing lines in the vicinity of the War Memorial in Buckland;
- f. Removal of the existing lines where the route passes Residential zoned land in Tuakau, generally as shown on Drawing 01104\_20 (supplied at the hearing) – refer appended Figure 3; and
- g. Removal of the existing lines in Ryders Road not marked for removal on Drawing 01104\_20 (refer appended Figure 3) once development plans for the area are sufficiently clear.

### *Note:*

Conditions a., b. and c. seek to ensure that over time, both sets of local overhead lines are removed from Station Road adjacent to the land mentioned in them, given the potential for this land to be subject to urban intensification in the future as shown in the Franklin District Growth Strategy 2051.

## **11. Colour of Poles**

Counties Power shall provide, as part of the Outline Plan of Works, details of pole placement and provide an assessment of whether a darker coloured pole is appropriate given the location and background of the poles. Council shall audit these details as part of the Outline Plan process to ensure that the use of darker poles in the locations stated is the most appropriate way to reduce the visual impact of the line when viewed within its visual catchment.

## **12. Archaeological Assessment**

That an archaeological site inspection be carried out along the notified designation corridor as part of the detailed design and Outline Plan of Works process. This inspection should:

- a. Locate on the ground all recorded cultural heritage sites in the vicinity of the designation;
- b. Identify any previously unrecorded archaeological or other cultural heritage sites within and adjacent to the designation; identify what if any effect(s) the construction of the power line and associated works will have on these sites, and how any effects can be avoided;
- c. Identify any original or pre 1900 features of the railway within the designation; identify what if any effect(s) the construction of the power line and associated works will have on these features and how any effects can be avoided. Embankments, cuts and any structures such as bridges and culverts constructed prior to 1900 could be considered archaeological, and as such, could require an Authority to Modify from the New Zealand Historic Places Trust if they are affected;
- d. Make any further relevant recommendations in relation to the requirements of the Historic Places Act 1993 and the Resource Management Act 1991 based on the results of the site inspection;

- e. Counties Power shall consult with the New Zealand Historic Places Trust on the findings of the archaeological site inspection so that the New Zealand Historic Places Trust can confirm the need for any Authority/Authorities to Modify under the Historic Places Act 1993; and
- f. A copy of the archaeological site inspection shall be provided to the Council as part of any Outline Plan of Works required by section 176A of the Resource Management Act 1991.

### **13. Iwi Consultation**

- a. Counties Power shall consult with iwi regarding the possible existence of archaeological sites within the proposed designation corridor before detailed design work commences and as part of the archaeological site inspection of the transmission line route.
- b. The outcome of such consultation shall be provided to the Council as part of any Outline Plan of Works required by section 176A of the Resource Management Act 1991.

### **14. Review of Designation Width**

Within three months of the construction and successful commissioning of the electricity line, Counties Power shall review the area of land subject to the designation, taking into account the location of the line as constructed, and the access agreements with landowners along the route. Where appropriate, Counties Power will seek to alter the location and the width of the designation corridor so as to provide reasonably for the safe and efficient operation, maintenance and modification of electricity line. Alterations to the location and width of the designation corridor shall recognise that the designation originally sought may be wider than necessary to provide for the safe and efficient operation, maintenance and modification of the electricity line.

### **15. Term of Designation**

For the purposes of section 184(1)(c) Resource Management Act 1991, the term during which the Designation shall not lapse unless given effect to is ten (10) years commencing from the end of the appeal period on the decision of Counties Power or the determination of any appeals on this designation for a 110kV transmission line.

### **Advice Notes**

1. The requiring authority will need to obtain all other necessary resource consents and permits, including those under the Building Act 2004 and any regional consents required from Environment Waikato and Auckland Council.
2. The requiring authority is advised that once the Designation have been formalised, any minor alterations or omissions to the designated areas should be rectified through alterations to the Designation pursuant to section 181 of the Resource Management Act 1991.
3. The requiring authority is advised of their statutory obligations under section 172 of the Resource Management Act 1991, which include the following:
  - a. Within 30 working days of receiving the Council's recommendation, the requiring authority is required to advise the Council whether it accepts or rejects the recommendation in whole or in part;
  - b. The requiring authority shall only modify the requirements if, and only if, the modifications are recommended by the Council or are not inconsistent with the requirements as notified; and
  - c. Where the requiring authority rejects the recommendation in whole or in part, or modifies the requirements, the authority shall give reasons for its decision.
4. Counties Power should ensure that prior to construction, formal contact is made, and permission or consents are obtained as required, from the operators of any network utilities where their services and facilities may be affected by the construction works for the project.
5. An Outline Plan of Works, pursuant to section 176A of the Resource Management Act 1991, shall be submitted to Auckland Council prior to construction. These detailed plans will need to show the final route and measures that will be implemented to avoid, remedy or mitigate any adverse effects on the environment. These details will also confirm whether any resource consents may be required.

6. Pursuant to sections 35 and 36 of the Resource Management Act 1991 the actual and reasonable costs incurred by Council in monitoring conditions of this recommendation shall be paid by Counties Power.

## Attachments

Figure 1: Overview of Route – from NOR as lodged with Franklin District Council



Figure 2: Drawing 01104 019



### 3006 Opaheke Substation

Designation Number	3006
Requiring Authority	Counties Power Ltd
Location	9 Ponga Road, Opaheke
Rollover Designation	Yes
Legacy Reference	Designation 13, Auckland Council District Plan (Papakura Section) 1999
Lapse Date	Given effect to (i.e. no lapse date)

### Purpose

Electricity supply purposes.

### Conditions

#### Sutton Road Future Road Widening

1. The Substation security fence shall be set back at least 14m from the Sutton Road / western boundary (being the location of this boundary as it existed in the Notice of Requirement).

*Note:*

In the future the Council may require up to 12m of the site to widen Sutton Road of which 4m can be landscaped (refer to Figure 1 prepared by the former Papakura District Council).

**Noise**

2. The substation must be operated in such a manner as to comply with the following noise emission standards. The noise level measured within the notional boundary of any existing dwelling shall not exceed the following limits:

- a. Daytime 0700-2000 L10 = 50dBA
- b. Night-time 2000-0700 L10 = 40dBA

The noise levels must be measured and assessed in accordance with the requirements of NZ6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.

**Earthworks Associated with any Site Development**

3. All retaining walls, earthworks, reinforcements and stability works must be constructed and completed immediately after cutting and or prior to filling to minimize the likelihood of any instability.

4. Prior to commencing any earthworks the requiring authority must install all the necessary erosion and sediment control measures as shown in the Auckland Council's TP 90 and be responsible for preventing, controlling and stopping the loss of soil and silt and any damage caused by the earthworks on adjacent properties. All necessary erosion and sediment measures once installed are to be maintained to ensure continual operation until the development has been completed and the site fully stabilized.

5. The requiring authority must control runoff, mitigate and prevent soil erosion, sediment loss and trap pollutants from entering adjacent lands, street curb and channels/ natural and artificial water bodies.

6. All existing drainage systems must be protected from any release of silt, accidental or otherwise from the site. This also involves measures to prevent soil being spread onto the road and access way.

7. All earthworks and areas of bare earth shall be re-vegetated or re-grassed within 3 months of completion of the earthworks. Where regeneration of the grass is not sufficient, areas of bare soil shall be "hydro-seeded" or otherwise sown with the appropriate ground cover vegetation.

8. The requiring authority must limit the dispersal of dust from the earthworks to adjacent sites by implementing a watering regime in order to ensure that the areas of bare soil are dampened (up until the bare soil is revegetated).

9. In the event of any excavated material being spilled on a public road, the requiring authority must take immediate action at their cost to clean/repair the road or reimburse the Auckland Transport for the expenses of cleaning and/or reinstating the damaged road.

10. All earthworks must occur between the hours of 7.00am and 6.00pm Monday to Saturday.

**Overland Flow**

11. The finished land level and grade of the earthworks and land forming must be such that it does not impede, restrict or block the existing overland flow from adjacent properties and that an adequate flow path over the site shall be maintained.

12. The finished land level and grade of the earthworks and land forming must be such that it does not divert, redirect and concentrate runoff onto adjacent properties.

**Lighting**

13. All exterior on-site lighting must be positioned and aimed within the site, away from adjacent properties and public roads so as to minimise the level of spill light and glare.



### **Hazardous Substances**

14. The requiring authority must ensure that any transformer oil storage areas are bunded. Bunds shall be sufficient capacity to contain the release from the total volume of all storage vessels located in each bunded area.

### **Surface Water**

15. The requiring authority must maintain and regularly clean all storm water catch pits, channels, grates, pipes and other storm water collection systems to ensure they operate in an effective manner.

### **Electrical Interference**

16. The requiring authority must make every reasonable effort to ensure that the electrical supply substation is operated, managed and controlled so that there is no electrical interference with television or radio reception at any adjacent property including complying with the requirements of the Radiocommunications Act 1989, the Radiocommunications Regulations 2001, the Ministry of Economic Development's Radio Spectrum Management "Compliance Guide" (November 2004), and relevant Gazetted Notices.

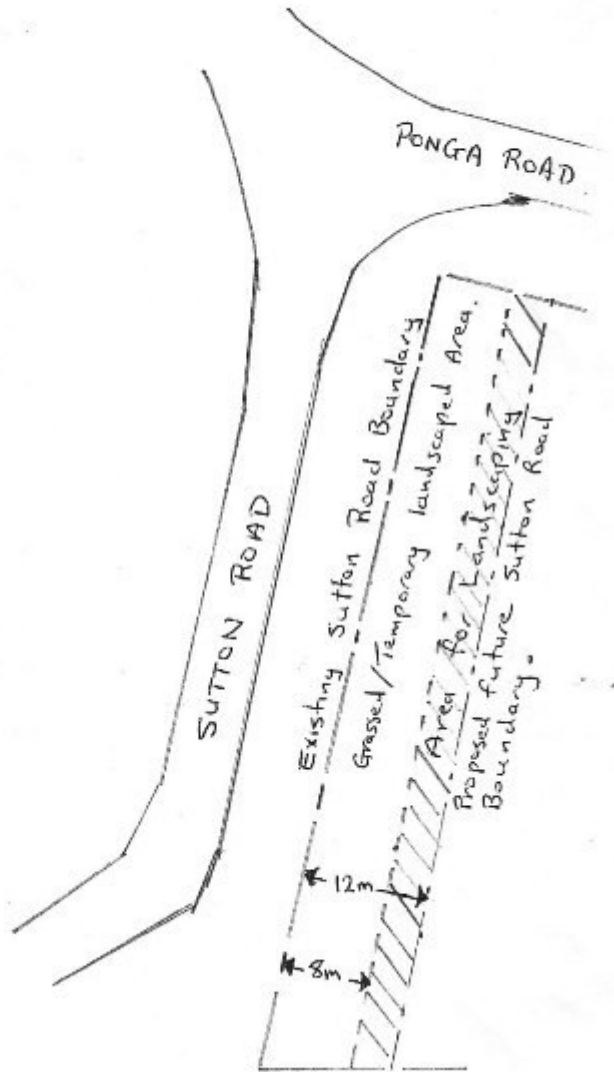
### **Advice Note**

1. It is noted that the submitted and approved Outline Plan of Works for the establishment of the substation includes a landscape plan that identifies the possible need for the alteration or removal of trees at 9 Ponga Road in a specified area and such work can be undertaken as part of the designated works to enable emergency maintenance or for the planned installation, upgrade or replacement of equipment which cannot be installed for the existing vehicle entrance.

## **Attachments**

**Figure 1 - Diagram prepared by former Papakura District Council to record the Council's proposed road widening and the impact of this on the layout of substation fencing and landscaping**

DIAGRAM FIG 1 LU7847



### R3008 Glenbrook Substation

Designation Number	R3008
Requiring Authority	Counties Power Ltd
Location	Whitham Road (Lot 1 DP 175576), Glenbrook
Rollover Designation	No
Legacy Reference	N/A
Lapse Date	31 August 2027, unless given effect to prior

### Purpose

The purpose of the proposed designation is Electricity supply purposes.

## Conditions

### General

1. For the purposes of section 184(1)(c) Resource Management Act 1991, the designation will lapse on the 31 August 2027 unless given effect to.
2. Any additional consents/approvals (for example, National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health, matters requiring regional consent) will be obtained prior to works commencing.
3. Unless Section 176A(2) applies, an Outline Plan of Works shall be submitted to the territorial authority to allow the territorial authority to request changes before construction commences. The Outline Plan of Works will include:
  - a. The height, shape, and bulk of the public work, project, or work; and
  - b. the location on the site of the public work, project, or work; and
  - c. The likely finished contour of the site; and
  - d. the vehicular access, circulation, and the provision for parking; and
  - e. The landscaping proposed; and
  - f. any other matters to avoid, remedy, or mitigate any adverse effects on the environment
4. In addition to the matters set out in Condition 3, the Outline Plan will also include, commensurate to the scale of works proposed, a Construction Management Plan which addresses the following:
  - a. The proposed earthworks methodology including (as applicable) storage and reuse of topsoil; on- and off-site disposal of soil and silt and dust control;
  - b. Traffic management for delivery of equipment, materials and general construction activities;
  - c. Any temporary equipment storage;
  - d. Methods of complying with the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health; and
  - e. a liaison plan formulated to advise New Zealand Steel Limited of the nature and duration of works.
5. Counties Power shall liaise with Transpower during the detailed design and subsequent construction processes prior to undertaking any work pursuant to this designation to ensure that the proposed works are integrated and managed in a manner suitable to both parties including appropriate access to the Transpower property.

### Accidental Discovery Protocols

6. If any archaeological sites, urupa, traditional sites, taonga (significant artefacts), or koiwi (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 tangata whenua, the New Zealand Historic Places Trust, the Auckland 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 recover archaeological features discovered before work may recommence on the exposed site.
  - e. Works shall not commence in the immediate vicinity of the archaeological site until any approval required from the NZ Historic Places Trust is obtained

### Amenity

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 (up to 300 GHz) (Health Physics, 1998, 74(4): 494–522) (ICNIRP Guidelines) public reference levels of 5 kV/m for electric fields and 100  $\mu$ T for magnetic flux density at the designation boundary under maximum normal operating conditions (ie, when there are no faults in the transmission system).

8. All works shall be designed to comply with NZS 6869:2004 Limits and Measurement Methods of Electromagnetic Noise from High-Voltage a.c. Power Systems, 0.15 to 1000 MHz.

9. Any masts, antennas, aerials and the other radiocommunication facilities shall at all times comply with NZS 2772.1 1999 and any subsequent amendments to that standard

#### **Bulk and Location Controls**

10. All buildings over 5m<sup>2</sup> and fenced substation yards shall be set back by at least 35m from the frontage to Mission Bush Road and 5m from the frontage to Whitham Road. Other elements such as electricity poles, landscape mitigation areas and minor works can be located within these nominated yards.

#### **Operational Noise**

11. Any new equipment (such as transformers, fans and circuit breakers) shall be designed and operated to ensure that the following noise limits shall not be exceeded:

a.  $L_{Aeq(15 \text{ min})}$  70dB at the boundary of Lot 1 DP 202203 and Allotment 363 and 343, Parish of Waiuku, East Blocks X XIII Awhitu SD.

All noise levels must be measured in accordance with the New Zealand Standard on the Measurement of Environmental Sound (NZS 6801: 2008) and assessed in accordance with the New Zealand Standard on Acoustic - Environmental Noise (NZS 6802: 2008).

#### **Construction Noise**

12. All construction and maintenance work shall be designed, managed and conducted to ensure that construction and maintenance noise from the site does not exceed the limits in NZS6803:1999 Acoustics– Construction Noise at locations set out in section 6.2 of that standard.

13. The noise limits set out in Condition 12 above 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.

#### **Attachments**

No attachments.



## Decision of Counties Power on its Designations in the Proposed Auckland Unitary Plan

### Tracked Changes

- The mark up is based on the Counties Power designations as notified on 30 September 2013.
- Deletions are shown in ~~strikethrough~~ and additions are shown in underline.
- Changes agreed by Counties Power, the Independent Hearings Panel and the Auckland Council are shown in **Orange**.
- Further modifications by Counties Power in making its decision are shown in **Red**.

It is noted that the formatting of bullet pointed or numbered text should be standardised and it is presumed that Auckland Council will do this as part of inserting the Designations into the AUP.

## PART 7 - DESIGNATIONS»Schedules and Designations»

### Counties Power Ltd

#### Designation Schedule - Counties Power Ltd

Number	Purpose	Location
3000	Electricity supply purposes	104 Manukau Road, Pukekohe
3001	Electricity supply purposes	125 Kitchener Road, Waiuku
3002	Electricity supply purposes	Batty Road (Lot 1 DP 56769), Kingseat
3003	Electricity supply purposes	Hillview Road (Lot 1 DP 109070), Ramarama
3004	Electricity supply purposes	Cornwall Road (part of Lot 2 DP 384042), Waiuku
3005	Electricity <del>distribution</del> <u>supply purposes</u> - (Pukekohe to Tuakau 110kV overhead electricity line)	104 Manukau Road to Buckland Road, Pukekohe
3006	Electricity supply purposes	9 Ponga Road, Opaheke
R3008	Electrical supply <u>purposes infrastructure</u>	Whitham Road (Lot 1 DP 175576), Glenbrook

#### 3000 Pukekohe Substation

Designation Number	3000
Requiring Authority	Counties Power Ltd
Location	104 Manukau Road, Pukekohe
Rollover Designation	Yes
Legacy Reference	Designation 1, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

#### Purpose

Electricity supply purposes.

#### Conditions

No conditions.

#### Attachments

No attachments.

### 3001 Waiuku Substation ([Kitchener Road](#))

Designation Number	3001
Requiring Authority	Counties Power Ltd
Location	125 Kitchener Road, Waiuku
Rollover Designation	Yes
Legacy Reference	Designation 2, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

#### Purpose

Electricity supply purposes.

#### Conditions

No conditions.

#### Attachments

No attachments.

### 3002 Te Hihi Substation

Designation Number	3002
Requiring Authority	Counties Power Ltd
Location	Batty Road (Lot 1 DP 56769), Kingseat
Rollover Designation	Yes
Legacy Reference	Designation 3, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

#### Purpose

Electricity supply purposes.

#### Conditions

No conditions.

#### Attachments

No attachments.

### 3003 Ramarama Substation

Designation Number	3003
Requiring Authority	Counties Power Ltd
Location	Hillview Road (Lot 1 DP 109070), Ramarama
Rollover Designation	Yes
Legacy Reference	Designation 7, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	Given effect to (i.e. no lapse date)

### Purpose

Electricity supply purposes.

### Conditions

No conditions.

### Attachments

No attachments.

### 3004 Waiuku Substation (Cornwall Road)

Designation Number	3004
Requiring Authority	Counties Power Ltd
Location	Cornwall Road (part of Lot 2 DP 384042), Waiuku
Rollover Designation	Yes
Legacy Reference	Designation 150, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	<del>31 August 2022</del> Five years from being operative in the Unitary Plan, unless given effect to prior

### Purpose

Electricity supply purposes.

### Conditions

#### 1. Establishment of Substation on Site

The Outline Plan of Works for the establishment of the substation on the site must comply with the following:

a. The works to give effect to the designation must be undertaken in general accordance with the information submitted by Counties Power in support of the Notice of Requirement contained in the document titled: Notice of Requirement for a Designation for a New Electricity Substation in Waiuku, Notice of Requirement and assessment of Environmental Effects dated August 2007 prepared by Boffa Miskell and additional information dated 12 October 2007 (and any subsequent addenda or errata provided by the requiring authority at or before the hearing of the Notice of Requirement on 25 February 2008).

b. The Outline Plan of Works to be submitted pursuant to section 176A of the Resource Management Act 1991 to establish the substation on site shall include the following:

i. Construction Management Plan;



- ii. Traffic Management Plan;
- iii. Property and Landscape Management Plan; and
- iv. Design and layout of the substation.

c. The Construction Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.b.i. must include:

- i. Indicative plan/report for the sequence of activities (inclusive of earthworks and volumes) proposed;
- ii. The timing of the activities;
- iii. The name and contact details of project manager;
- vi. The expected duration of the works;
- v. The requiring authority must also circulate the Construction Management Plan prior to construction commencing to all directly adjoining neighbours, Glenbrook Vintage Railway and occupiers of 121 Collingwood Road;
- vi. An accidental discovery protocol for archaeological remains and a commitment to include site works methodology incorporating the supervision of the earthworks by an iwi representative; and
- vii. Silt, dust and sediment controls associated with earthworks.

d. The Traffic Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.b.ii. must be prepared by a suitably qualified person for the purposes of working on, or in close proximity to roads and public places.

e. The Property and Landscape Management Plan to be submitted pursuant to section 176A of the Resource Management Act 1991 and required by Condition 1.be.ii. shall detail species, gardening and maintenance specifications. The Property and Landscape Plan must incorporate the following elements:

- i. Identification of all hard and soft landscape works (including fences) and how landscaping will provide a buffer between the activity and adjacent Glenbrook Vintage Railway reserve, nearby dwellings and roads;
- ii. Details of the intended species, preferably natives, plant sizes at the time of planting, their likely heights on maturity and how planting will be staged, established and maintained;
- iii. A commitment to replacing planting if the initial work fails;
- iv. Provisions and methods to ensure landscaping works do not unduly interfere with any overland flow path;
- v. A water supply to ensure that all plantings are maintained in perpetuity;
- vi. A colour scheme to mitigate adverse visual effects and ensure low reflectivity of external surfaces of structures on the site;
- vii. Maintenance and upkeep of structures;
- viii. Demonstrate evidence of consultation and input with Glenbrook Vintage Railway in the landscape design;
- ix. Demonstrate evidence of consultation with the owner of 121 Collingwood Road on stormwater design and treatment;
- x. Plantings shall be designed so as to comply with Electricity (Hazards from Trees) Regulations 2003 or successor; and
- xi. Substation compound and building shall be setback at least 3m from all boundaries.

The Property and Landscape Management Plan must be given effect to as soon as reasonably possible following the approval of the plan and no later than the first planting season following completion of the works on the site. The landscaping must be irrigated and maintained for the life of the substation.

f. The substation must be designed and constructed in such a manner as to comply with the following noise emission standards. The noise level measured within the notional boundary (a line 20m from the façade of any dwelling) or legal boundary (where this is closer) of any existing dwelling shall not exceed the following limits:

7.00 am – 8.00 pm	50dBA L10
8.00 pm – 7.00 am	40dBA L10
10.00 pm – 7.00 am	65dBA

The noise levels must be measured and assessed in accordance with the requirements of NZS 6801:1991

Measurement of Sound and NZS 6802:1991 Assessment of Environmental Sound.

g. The requiring authority must submit, to Auckland Council within three months of commissioning the substation, an acoustic design certificate provided by a qualified acoustic engineer confirming that the design will ensure compliance with the performance standard set out in condition 1.f.

## **2. Timeframe of Designation**

Pursuant to section 184(1)(c) of the Resource Management Act 1991, the expiry period for the designation for construction, operation and maintenance of an electricity substation at a nominal voltage of up to 110kV on part of a property legally described as Lot 2 DP 384042, shall be ten years.

## **3. Decommissioning Existing Substation**

Within one year of the commencement of operation of the new substation, the existing substation on Kitchener Road shall be decommissioned and a decommissioning plan shall be submitted to Auckland Council pursuant to section 176A of the Resource Management Act 1991.

## **4. Earthworks Associated with any Site Development**

a. Prior to commencing any earthworks the Requiring Authority must install all the necessary erosion and sediment control measures as shown in the Auckland Council's TP 90 and be responsible for preventing, controlling and stopping the loss of soil and silt and any damage caused by earthworks on adjacent properties. All necessary erosion and sediment measures once installed are to be maintained to ensure continual operation until the development has been completed and the site fully stabilized.

b. All earthworks must occur between the hours of 7.00 am and 6.00 pm Monday to Saturday.

## **5. Overland Flow**

a. The finished land level and grade of the earthworks and land forming must be such that it does not impede, restrict or block the existing overland flow from adjacent properties and that an adequate flow path over the site shall be maintained.

b. The finished land level and grade of the earthworks and land forming must be such that it does not divert, redirect and concentrate runoff onto adjacent properties.

## **6. Noise during Construction**

That the Requiring Authority must comply with the noise standards set out in Acoustic Construction Noise NZS 16803:1999 at all times while any construction works are being constructed on site.

## **7. Site Access**

The site must be secure from unauthorised public access at all times during construction.

## **8. Lighting**

All exterior on-site lighting must be positioned and aimed within the site, away from adjacent properties and public roads so as to minimise the level of spill light and glare.

## **9. Hazardous Substances**

The Requiring Authority must ensure that any transformer oil storage areas are bunded. Bunds shall be sufficient capacity to contain the release from the total volume of all storage vessels located in each bunded area.

## **10. Surface Water**

The Requiring Authority must maintain and regularly clean all stormwater catch pits, channels, grates, pipes and other stormwater collection systems to ensure they operate in an effective manner.

## **11. Electrical -Interference**

The Requiring Authority must make every reasonable effort to ensure that the electrical supply substation is operated, managed and controlled so that there is no electrical interference with television or radio reception at

any adjacent property including complying with the requirements of the Radio Communications Regulations 2001, the Ministry of Economic Development's Radio Spectrum Management "Compliance Guide" (November 2004) and relevant Gazetted Notices.

### **Advice Notes**

1. The Requiring Authority will need to obtain all other necessary resource consents and permits, including those under the Building Act 2004 and any resource consents required by Auckland Council under the regional plans.
2. The Requiring Authority is advised that once the designation has been formalised, any minor alteration or omissions to the designated area should be rectified through alterations of the designation pursuant to section 181 of the Resource Management Act 1991.
3. The Requiring Authority is advised of its statutory obligations under section 172 of the Resource Management Act 1991, which include the following:
  - a. Within 30 working days of receiving Council's recommendation, the Requiring Authority is required to advise Council whether it accepts or rejects the recommendation in whole or in part;
  - b. The Requiring Authority shall only modify the requirement if, and only if the modifications are recommended by Council or are not inconsistent with the requirement as notified; and
  - c. Where the Requiring Authority rejects the recommendation in whole or in part, or modifies the requirement, the authority shall give reasons for its decision.
4. Counties Power should ensure that prior to construction, formal contact is made and permission or consents are obtained as required from the operators of any network utilities where their services and facilities may be affected by the construction works for the project.
5. As soon as reasonably possible following its purchase of the site, Counties Power should carry out initial planting in line with the anticipated requirements of the Property and Landscape Management Plan, particularly near the boundary with the Glenbrook Vintage Railway. The purpose of this initial planting is to ensure that some screening is established on site before the substation is built. When the site is developed for its designated purpose, as far as reasonably possible these existing plants should be incorporated into the Property and Landscape Management Plan.
6. That an Outline Plan of Works pursuant to section 176A of the Resource Management Act 1991 shall be submitted to Auckland Council prior to construction. These detailed plans will need to show the measures that will be implemented to avoid, remedy or mitigate any adverse effects on the environment. These details will also confirm whether any resource consents may be required.
7. That pursuant to sections 35 and 36 of the Resource Management Act 1991 the actual and reasonable costs incurred by Council in monitoring conditions of this recommendation shall be paid by Counties Power.

### **Attachments**

No attachments.

## 3005 Pukekohe to Tuakau Line

Designation Number	3005
Requiring Authority	Counties Power Ltd
Location	104 Manukau Road, Pukekohe to Buckland Road, Buckland (to Waikato District Council boundary)
Rollover Designation	Yes
Legacy Reference	Designation 151, Auckland Council District Plan (Franklin Section) 2000
Lapse Date	<del>Five years from being operative in the Unitary Plan, unless given effect to prior</del> <u>Given effect to (i.e. no lapse date)</u>

## Purpose

Electricity ~~distribution supply~~ purposes – (Pukekohe to Tuakau 110kV overhead electricity line).

## Conditions

### 1. Plan Information

That the works to give effect to the new Designation for the construction, operation, maintenance and modification of one overhead electricity line of up to 110kV nominal voltage, shall be in accordance with:

- a. The Notice of Requirement;
- b. The Assessment of Environmental Effects prepared by Boffa Miskell, titled Counties Power, Notice of Requirement for a Designation for 110kV Electricity Line from Pukekohe Substation to Proposed Tuakau Substation, Volumes I, II and III and the additional information supplied to Council dated 11 December 2007 and 24 January 2008 (and any subsequent addenda or errata provided by the requiring authority at or before the hearing of the Notices of Requirement on 18 and 19 February 2008);
- c. The Designation plans prepared by Boffa Miskell titled 'Counties Power, Proposed Corridor for New Electricity Line', Drawings 01104-000 to 01104-013, 01104-017 to 01104-018 provided as further information but superseded by Drawings 01104\_19 and 01104\_20 presented at the hearing. NB Drawings 01104-000 (providing an overview of the route), ~~and~~ 01104 019 ~~and 01104 020~~ are appended as Figures 1-~~23~~;
- d. The designation is to provide for the construction, operation, maintenance and modification of one overhead electricity line of up to 110kV nominal voltage comprising a maximum of three conductors (i.e. lines), one earth wire and one fibre optic cable, and local electricity distribution lines where it would be appropriate and promote efficiency of the network, these supported above ground level by poles spaced at an average of at least 80m apart plus all necessary ancillary fixtures and fittings; and
- e. Subject to any amendments required by the following conditions and any other minor alterations proposed by Counties Power to the satisfaction of Auckland Council.

### 2. Buckland Screen Planting

Counties Power, when formulating the Outline Plan, shall liaise with Ontrack, Auckland Council and the Buckland Community Centre to ascertain an appropriate and practical extent of screen planting through Buckland village alongside the poles and will provide detail of such planting in the Outline Plan. The purpose of such planting will be to supplement the mitigation provided by undergrounding of the local lines and the extent and placement of screen planting shall also take into account the requirements of Ontrack to ensure the safe and efficient operation of the railway corridor.

### 3. Maximum Number of Pylons

The maximum number of pylons used as part of the support structures for the line shall be restricted to two (2) to overcome topographical features.

### 4. Nuisance -Mitigation

That Counties Power and its contractors take all reasonable steps to prevent or mitigate any nuisance to adjacent properties during construction.

## **5. Construction Management Plan**

Prior to the commencement of any earthworks or construction activity on the designated site excluding site investigations, Counties Power shall prepare a Construction Management Plan and submit that plan for the approval of the Auckland Council. The Construction Management Plan shall include the procedures, methods and measures to be applied to address the following:

- a. Exclusion of the public from the construction site;
- b. Dust arising due to construction;
- c. Prior notification to landowners of the use of machinery likely to generate vibration effects to dwellings, where such vibrations may be felt in the process to be followed to ensure that such effects are addressed;
- d. Maintenance of road, rail and property access during construction;
- e. Movement of construction traffic on local roads;
- f. Hours of operation of trucks and service vehicles;
- g. A single point of contact to field general enquiries and complaints from the public;
- h. The control of stormwater, runoff, sediment and contaminants during construction;
- i. Methods for earthworks, stormwater control, sediment control, replanting of any exposed areas; and
- j. Traffic management around the local roads during construction.

## **6. Liaison Person**

That a permanent liaison person shall be immediately appointed by Counties Power for the duration of the works and be a readily accessible point of contact for persons affected by the designation and construction works. Counties Power shall advise the liaison person's name and contact details to affected parties. This person must be available for ongoing consultation on all matters of concern to affected persons and provide a timetable as to the construction works to adjoining property owners and occupiers.

## **7. Maximum Capacity of Transmission Line**

The electricity line is to comprise a maximum of one 110kV circuit (comprising 3 conductor wires and an earth wire) plus lower voltage circuits where required and a maximum of one fibre optic cable, supported on poles generally as described in section 4.2 of the Assessment of Environmental Effects submitted with the application, or on pylons if required to cross the gully at grid reference V11 on Drawing 01104-006 to X12 on Drawing 01104-007.

## **8. Width of the Designation**

The width of the designation is generally to be in accordance with the representations shown on Drawings 01104-000 to 01104-013 submitted as part of the application.

## **9. Written Approval**

Counties Power is to grant its written approval (as requiring authority) under sections 176(1)(b) and 178(1) of the Resource Management Act 1991 to enable the New Zealand Railways Corporation, or any other party authorised by New Zealand Railways Corporation, to undertake any activity on the land that is authorised by the existing rail designation and / or to undertake any other activity on the land that will not prejudice Counties Power's rights under its occupancy agreement with New Zealand Railways Corporation.

## **10. Removal of Local Transmission Lines**

Counties Power shall mitigate the visual impact of the new line by removing some existing local transmission lines as follows:

- a. The removal of the existing 400V overhead local lines on the eastern side of Station Road (adjacent to the A and P showgrounds) within 1 year of the commissioning of the Pukekohe - Tuakau 110kV line;
- b. Unless removed earlier, the second set of overhead local lines (currently at 11kV but planned to be upgraded to 22kV) on the eastern side of Station Road and adjacent to the A and P Showgrounds shall be removed within 2 years of the zoning of the A and P Showgrounds land for high density urban intensification being notified as part of a Plan Change;
- c. The existing local lines on the eastern side of Station Road from alongside Lot 1 DP 101010 to alongside Lot 2 DP 91559 shall be removed within 2 years of the zoning of this land for Residential use being notified as part of a Plan Change.
- d. Removal of the existing lines where the route passes Residential zoned land in Buckland, generally as shown

- on Drawing 01104\_019 (supplied at the hearing) – refer appended Figure 2;
- e. Removal of the existing lines in the vicinity of the War Memorial in Buckland;
  - f. Removal of the existing lines where the route passes Residential zoned land in Tuakau, generally as shown on Drawing 01104\_20 (supplied at the hearing) – refer appended Figure 3; and
  - g. Removal of the existing lines in Ryders Road not marked for removal on Drawing 01104\_20 (refer appended Figure 3) once development plans for the area are sufficiently clear.

*Note:*

Conditions a., b. and c. seek to ensure that over time, both sets of local overhead lines are removed from Station Road adjacent to the land mentioned in them, given the potential for this land to be subject to urban intensification in the future as shown in the Franklin District Growth Strategy 2051.

### **11. Colour of Poles**

Counties Power shall provide, as part of the Outline Plan of Works, details of pole placement and provide an assessment of whether a darker coloured pole is appropriate given the location and background of the poles. Council shall audit these details as part of the Outline Plan process to ensure that the use of darker poles in the locations stated is the most appropriate way to reduce the visual impact of the line when viewed within its visual catchment.

### **12. Archaeological Assessment**

That an archaeological site inspection be carried out along the notified designation corridor as part of the detailed design and Outline Plan of Works process. This inspection should:

- a. Locate on the ground all recorded cultural heritage sites in the vicinity of the designation;
- b. Identify any previously unrecorded archaeological or other cultural heritage sites within and adjacent to the designation; identify what if any effect(s) the construction of the power line and associated works will have on these sites, and how any effects can be avoided;
- c. Identify any original or pre 1900 features of the railway within the designation; identify what if any effect(s) the construction of the power line and associated works will have on these features and how any effects can be avoided. Embankments, cuts and any structures such as bridges and culverts constructed prior to 1900 could be considered archaeological, and as such, could require an Authority to Modify from the New Zealand Historic Places Trust if they are affected;
- d. Make any further relevant recommendations in relation to the requirements of the Historic Places Act 1993 and the Resource Management Act 1991 based on the results of the site inspection;
- e. Counties Power shall consult with the New Zealand Historic Places Trust on the findings of the archaeological site inspection so that the New Zealand Historic Places Trust can confirm the need for any Authority/Authorities to Modify under the Historic Places Act 1993; and
- f. A copy of the archaeological site inspection shall be provided to the Council as part of any Outline Plan of Works required by section 176A of the Resource Management Act 1991.

### **13. Iwi Consultation**

a. Counties Power shall consult with iwi regarding the possible existence of archaeological sites within the proposed designation corridor before detailed design work commences and as part of the archaeological site inspection of the transmission line route.

b. The outcome of such consultation shall be provided to the Council as part of any Outline Plan of Works required by section 176A of the Resource Management Act 1991.

### **14. Review of Designation Width**

Within three months of the construction and successful commissioning of the electricity line, Counties Power shall review the area of land subject to the designation, taking into account the location of the line as constructed, and the access agreements with landowners along the route. Where appropriate, Counties Power will seek to alter the location and the width of the designation corridor so as to provide reasonably for the safe and efficient operation, maintenance and modification of electricity line. Alterations to the location and width of the designation corridor shall recognise that the designation originally sought may be wider than necessary to provide for the safe and efficient operation, maintenance and modification of the electricity line.

## 15. Term of Designation

For the purposes of section 184(1)(c) Resource Management Act 1991, the term during which the Designation<sup>s</sup> shall not lapse unless given effect to is ten (10) years commencing from the end of the appeal period on the decision of Counties Power or the determination of any appeals on this designation<sup>s</sup> for a 110kV transmission line.

## Advice Notes

1. The requiring authority will need to obtain all other necessary resource consents and permits, including those under the Building Act 2004 and any regional consents required from Environment Waikato and Auckland Council.
2. The requiring authority is advised that once the Designation<sup>s</sup> have been formalised, any minor alterations or omissions to the designated areas should be rectified through alterations to the Designation<sup>s</sup> pursuant to section 181 of the Resource Management Act 1991.
3. The requiring authority is advised of their statutory obligations under section 172 of the Resource Management Act 1991, which include the following:
  - a. Within 30 working days of receiving the Council's recommendation, the requiring authority is required to advise the Council whether it accepts or rejects the recommendation in whole or in part;
  - b. The requiring authority shall only modify the requirements if, and only if, the modifications are recommended by the Council or are not inconsistent with the requirements as notified; and
  - c. Where the requiring authority rejects the recommendation in whole or in part, or modifies the requirements, the authority shall give reasons for its decision.
4. Counties Power should ensure that prior to construction, formal contact is made, and permission or consents are obtained as required, from the operators of any network utilities where their services and facilities may be affected by the construction works for the project.
5. An Outline Plan of Works, pursuant to section 176A of the Resource Management Act 1991, shall be submitted to Auckland Council prior to construction. These detailed plans will need to show the final route and measures that will be implemented to avoid, remedy or mitigate any adverse effects on the environment. These details will also confirm whether any resource consents may be required.
6. Pursuant to sections 35 and 36 of the Resource Management Act 1991 the actual and reasonable costs incurred by Council in monitoring conditions of this recommendation shall be paid by Counties Power.

~~7. Counties Power shall work with other parties involved in Plan Change 22 (to the Franklin District Plan) process to ascertain whether an alternative route for the line is possible through the plan change area.~~

## Attachments

**Figure 1: Overview of Route – from NOR as lodged with Franklin District Council**





Figure 2: Drawing 01104 019



**Figure 3: Drawing 01104-020**



**3006 Opaheke Substation**

Designation Number	3006
Requiring Authority	Counties Power Ltd
Location	9 Ponga Road, Opaheke
Rollover Designation	Yes
Legacy Reference	Designation 13, Auckland Council District Plan (Papakura Section) 1999
Lapse Date	Given effect to (i.e. no lapse date)

**Purpose**

Electricity supply purposes.

**Conditions**

**Sutton Road Future Road Widening**

1. The Substation security fence shall be set back at least 14m from the Sutton Road / western boundary (being the location of this boundary as it existed in the Notice of Requirement).

*Note:*

In the future the Council may require up to 12m of the site to widen Sutton Road of which 4m can be landscaped (refer to Figure 1 prepared by the former Papakura District Council).

**Noise**

2. The substation must be operated in such a manner as to comply with the following noise emission standards. The noise level measured within the notional boundary of any existing dwelling shall not exceed the

following limits:

- a. Daytime 0700-2000 L10 = 50dBA
- b. Night-time 2000-0700 L10 = 40dBA

The noise levels must be measured and assessed in accordance with the requirements of NZ6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.

### **Earthworks Associated with any Site Development**

3. All retaining walls, earthworks, reinforcements and stability works must be constructed and completed immediately after cutting and or prior to filling to minimize the likelihood of any instability.
4. Prior to commencing any earthworks the requiring authority must install all the necessary erosion and sediment control measures as shown in the Auckland Council's TP 90 and be responsible for preventing, controlling and stopping the loss of soil and silt and any damage caused by the earthworks on adjacent properties. All necessary erosion and sediment measures once installed are to be maintained to ensure continual operation until the development has been completed and the site fully stabilized.
5. The requiring authority must control runoff, mitigate and prevent soil erosion, sediment loss and trap pollutants from entering adjacent lands, street curb and channels/ natural and artificial water bodies.
6. All existing drainage systems must be protected from any release of silt, accidental or otherwise from the site. This also involves measures to prevent soil being spread onto the road and access way.
7. All earthworks and areas of bare earth shall be re-vegetated or re-grassed within 3 months of completion of the earthworks. Where regeneration of the grass is not sufficient, areas of bare soil shall be "hydro-seeded" or otherwise sown with the appropriate ground cover vegetation.
8. The requiring authority must limit the dispersal of dust from the earthworks to adjacent sites by implementing a watering regime in order to ensure that the areas of bare soil are dampened (up until the bare soil is revegetated).
9. In the event of any excavated material being spilled on a public road, the requiring authority must take immediate action at their cost to clean/repair the road or reimburse the Auckland ~~Council~~[Transport for](#) the expenses of cleaning and/or reinstating the damaged road.
10. All earthworks must occur between the hours of 7.00am and 6.00pm Monday to Saturday.

### **Overland Flow**

11. The finished land level and grade of the earthworks and land forming must be such that it does not impede, restrict or block the existing overland flow from adjacent properties and that an adequate flow path over the site shall be maintained.
12. The finished land level and grade of the earthworks and land forming must be such that it does not divert, redirect and concentrate runoff onto adjacent properties.

### **Lighting**

13. All exterior on-site lighting must be positioned and aimed within the site, away from adjacent properties and public roads so as to minimise the level of spill light and glare.

### **Hazardous Substances**

14. The requiring authority must ensure that any transformer oil storage areas are bunded. Bunds shall be sufficient capacity to contain the release from the total volume of all storage vessels located in each bunded area.

### **Surface Water**

15. The requiring authority must maintain and regularly clean all storm water catch pits, channels, grates, pipes and other storm water collection systems to ensure they operate in an effective manner.

### **Electrical -Interference**

16. The requiring authority must make every reasonable effort to ensure that the electrical supply substation is operated, managed and controlled so that there is no electrical interference with television or radio reception at any adjacent property including complying with the requirements of the Radiocommunications Act 1989, the Radiocommunications Regulations 2001, the Ministry of Economic Development's Radio Spectrum Management "Compliance Guide" (November 2004), and relevant Gazetted Notices.

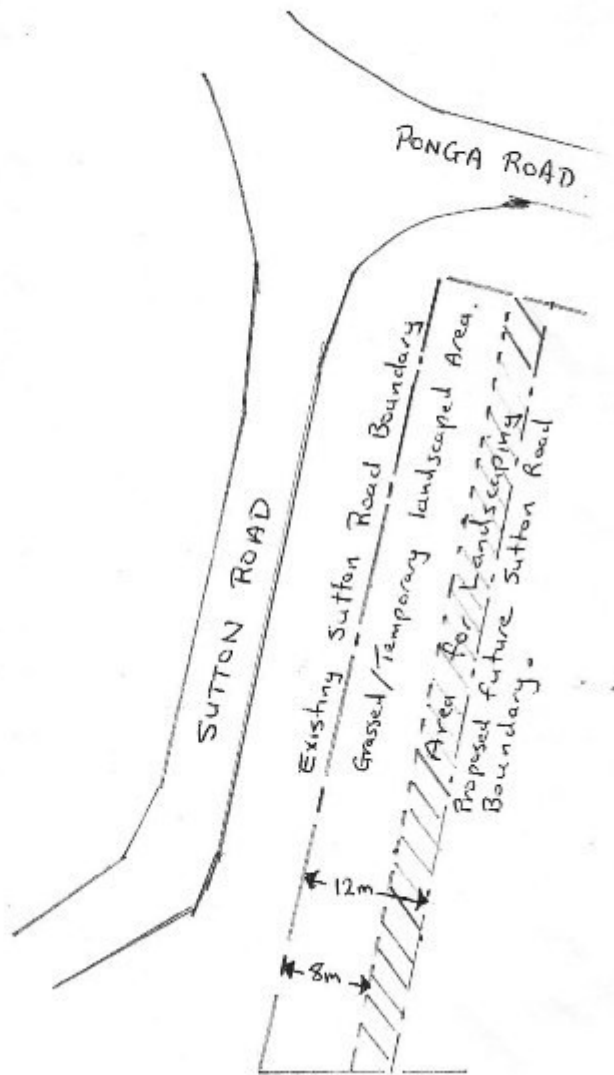
### **Advice Note**

1. It is noted that the submitted and approved Outline Plan of Works for the establishment of the substation includes a landscape plan that identifies the possible need for the alteration or removal of trees at 9 Ponga Road in a specified area and such work can be undertaken as part of the designated works to enable emergency maintenance or for the planned installation, upgrade or replacement of equipment which cannot be installed for the existing vehicle entrance.

### **Attachments**

**Figure 1 - Diagram prepared by former Papakura District Council to record the Council's proposed road widening and the impact of this on the layout of substation fencing and landscaping**

DIAGRAM FIG 1 LU7847



### R3008 Glenbrook Substation

Designation Number	R3008
Requiring Authority	Counties Power Ltd
Location	Whitham Road (Lot 1 DP 175576), Glenbrook
Rollover Designation	No
Legacy Reference	N/A
Lapse Date	<u>31 August 2027, unless given effect to prior, 40 years from being operative in the Unitary Plan</u>

### Purpose

The purpose of the proposed designation is Electricity supply purposes. ~~to provide for existing and future electrical supply infrastructure. The proposed designation scope is:~~

- ~~a. The operation, maintenance and upgrading of an existing substation and associated ancillary structures and activities required for electricity supply and distribution.~~
- ~~b. The provision of works required for electricity supply and distribution.~~

## Conditions

### General

~~1. For the purposes of section 184(1)(c) Resource Management Act 1991, the designation will lapse on the 31 August 2027 unless given effect to.~~

~~A period of 10 years will be sought to implement the works.~~

2. Any additional consents/approvals (for example, National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health, matters requiring regional consent) will be obtained prior to works commencing.

3. Unless Section 176A(2) applies, an Outline Plan of Works shall be submitted to the territorial authority to allow the territorial authority to request changes before construction commences. The Outline Plan of Works will include:

- a. The height, shape, and bulk of the public work, project, or work; and
- b. the location on the site of the public work, project, or work; and
- c. The likely finished contour of the site; and
- d. the vehicular access, circulation, and the provision for parking; and
- e. The landscaping proposed; and
- f. any other matters to avoid, remedy, or mitigate any adverse effects on the environment

4. In addition to the matters set out in Condition ~~23~~, the Outline Plan will also include, commensurate to the scale of works proposed, a Construction Management Plan which addresses the following:

- a. The proposed earthworks methodology including (as applicable) storage and reuse of topsoil; on- and off-site disposal of soil and silt and dust control;
- b. Traffic management for delivery of equipment, materials and general construction activities;
- c. Any ~~temporary~~ equipment storage;
- d. Methods of complying with the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health; and
- e. ~~In relation to the Glenbrook site~~; a liaison plan formulated to advise New Zealand Steel Limited of the nature and duration of works.

### Transpower

~~5. Counties Power shall obtain the written approval of Transpower as Requiring Authority under Section 176 of the Act prior to works commencing.~~

5. Counties Power shall liaise with Transpower during the detailed design and subsequent construction processes prior to undertaking any work pursuant to this designation to ensure that the proposed works are integrated and managed in a manner suitable to both parties including appropriate access to the Transpower property.

### Accidental Discovery Protocols

6. If any archaeological sites, urupa, traditional sites, taonga (significant artefacts), or koiwi (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 tangata whenua, the New Zealand Historic Places Trust, the Auckland 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 recover archaeological features discovered before work may recommence on the exposed site.
- e. Works shall not commence in the immediate vicinity of the archaeological site until any approval required from the NZ Historic Places Trust is obtained

## Amenity

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 (up to 300 GHz) (Health Physics, 1998, 74(4): 494–522) (ICNIRP Guidelines) public reference levels of 5 kV/m for electric fields and 100  $\mu$ T for magnetic flux density at the designation boundary under maximum normal operating conditions (ie, when there are no faults in the transmission system).

8. All works shall be designed to comply with NZS 6869:2004 Limits and Measurement Methods of Electromagnetic Noise from High-Voltage a.c. Power Systems, 0.15 to 1000 MHz.

9. Any masts, antennas, aerials and the other radiocommunication facilities shall at all times comply with NZS 2772.1 1999 and any subsequent amendments to that standard

## Bulk and Location Controls

10. All buildings over 5m<sup>2</sup> and fenced substation yards shall be set back by at least 35m from the frontage to Mission Bush Road and 5m from the frontage to Whitham Road. Other elements such as electricity poles, landscape mitigation areas and minor works can be located within these nominated yards. ~~Bulk and location controls. Bulk and Location controls to be determined in Area A and Area B.~~

## Operational Noise

11. Any new equipment (such as transformers, fans and circuit breakers) shall be designed and operated to ensure that the following noise limits shall not be exceeded:

a.  $L_{Aeq(15 \text{ min})}$  70dB at the boundary of Lot 1 DP 202203 and Allotment 363 and 343, Parish of Waiuku, East Blocks X XIII Awhitu SD.

All noise levels must be measured in accordance with the New Zealand Standard on the Measurement of Environmental Sound (NZS 6801: 2008) and assessed in accordance with the New Zealand Standard on Acoustic - Environmental Noise (NZS 6802: 2008).

## Construction Noise

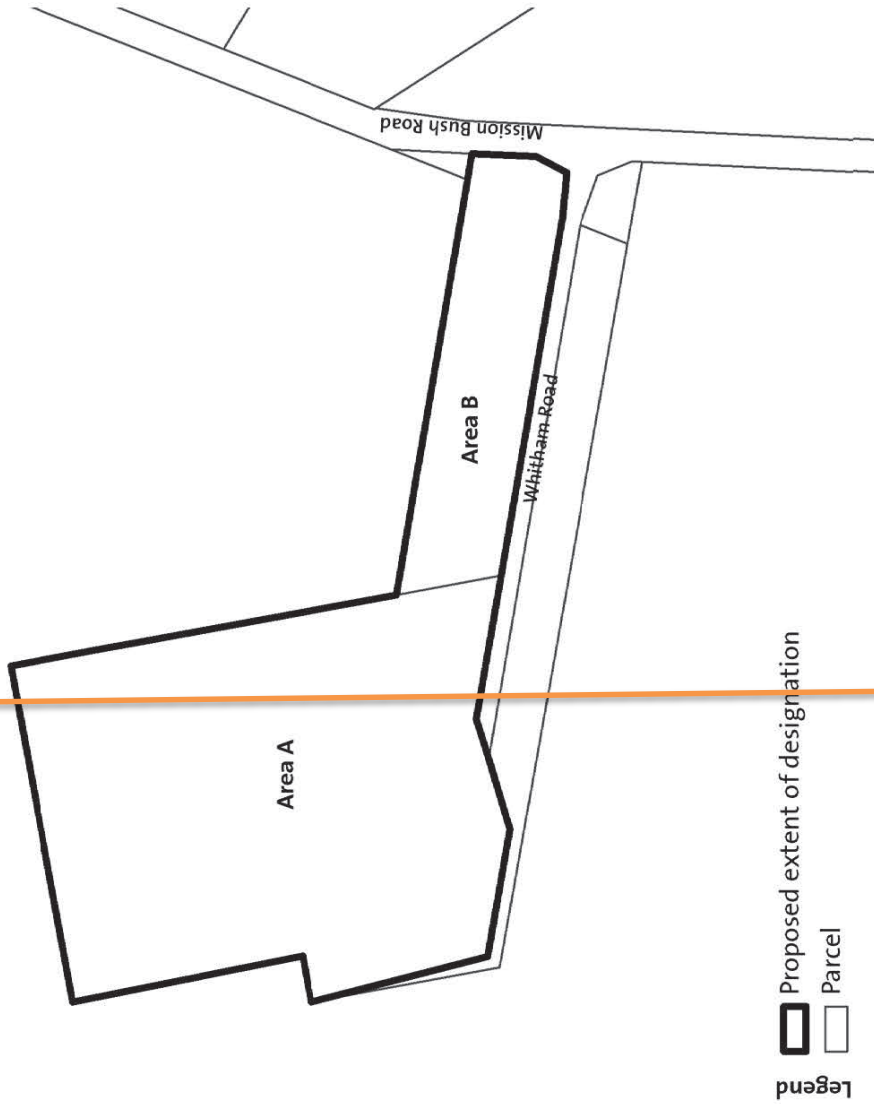
12. All construction and maintenance work shall be designed, managed and conducted to ensure that construction and maintenance noise from the site does not exceed the limits in NZS6803:1999 Acoustics– Construction Noise at locations set out in section 6.2 of that standard.

13. The noise limits set out in Condition ~~123~~ above 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.

## Attachments

No attachments.

~~Counties Power Glenbrook Designation Diagram~~









Legend

- 51 Logan Road, Buckland, Pukekohe
- Designation 3005 Area to be removed
- Designation 3005 - Electricity transmission - Pukekohe to Tuakau 110kV overhead transmission line
- North Island Main Trunk Railway Line
- Water Supply Purposes - Buckland Water Reservoir