



ELECTRICAL HAZARD MANAGEMENT PLAN FOR FORESTRY OPERATIONS

This is an agreement between **Powerco** and *(Insert Contractor)* and *(insert Forest Owner/Manager)* to ensure safe harvesting of trees within two tree lengths of power lines.

CONTACT DETAILS

Network/ Asset Owner:	Powerco
Contact Person:	Nick Catton
Phone:	027 216 0669
Emergency:	0800546378
Email:	Nick.catton@powerco.co.nz
Forest owner/manager:	
Contact Person (s):	
Postal Address:	
Phone:	
Email:	
Contractor:	
Contact Person (s):	
Phone:	
Email	
Emergency contact Number (Offsite contact):	

WORK DETAILS

Forest name:		Forest compartment/block:	
Estimated Start Date:		Estimated End Date:	
Rapid Number		Latitude/Longitude	
Feeder Name		Voltage:	
From Pole Number:		To Pole Number:	
Description of Work around Power lines (Select from drop down box)			
Tree Felling for Logging	N/A	Earthworks/Roading	N/A
Machine Assisted Felling	N/A	Hauler Based Tree Extraction	N/A
Outage requested (see note below)	N/A	Close approach consent required (see note below)	N/A

Requesting outage contact an approved service provider on <https://www.powerco.co.nz/Get-Connected/Electricity/Approved-Contractors/>

Requesting close approach consent ring 0800 769 372 or <http://www.powerco.co.nz/safety/safety-for-contractors/>

PLAN FOR WORK AROUND POWER LINES

This plan must always be available on site and any changes must be agreed on between all the parties and in writing.

Note: the prescription will outline the full harvest plan, including the site conditions, tree details, risk assessment and earthworks requirements. This is available from the forest owner/manager and should be included with the Electrical Hazard Management Plan (EHMP).

Site Safety Plan

Describe how the forestry contractor will work with Powerco to ensure electrical safety.

- **Confirm that;**
 - An electrical safety induction has been considered.
 - That there is an agreed method to stop work if it is judged electrically unsafe.
 - An electrical safety observer will attend if required.
 - Have an agreed process for managing change including the effect of weather on conductor movement.
 - Emergency management protocols have been agreed.

Site Conditions

Describe the terrain, waterways, existing tracks etc. and how they will be managed if they impact on safe work around the lines.

Trees

Describe tree age and height and the distance from network assets. Identify and assess any trees that are;

Closest Tree Distance from the Network Lines (Is any part of the tree...)	
Within two tree lengths of the network lines	No
Within fall distance plus 4m of the network lines	No
Within 4m of the lines. For distribution lines, these require a Close Approach Permit	No
Any vegetation within the competent worker zone (CWZ)	No
Any high-risk trees (overhanging the lines of heavily leaning back towards the lines, etc)	No

Description:

Earthworks

Type of Earthworks and Distance from Network Assets	
Are there any earthworks within 12 metres of a support structure or that may cause an unstable batter (<i>Note – may need approval from Powerco</i>)	No
Are there any earthworks near structures, poles and lines	No
Can mobile plant or machinery maintain four metres clearance from electricity lines?	No
Are any roads being constructed or maintained under electricity lines?	No

Description:



Felling Operations

Describe how the trees will be harvested to minimise all risk within the *two-tree length* distance of any network asset;

Harvest Operations

- Consider;
 - log transportation and extraction are free from electrical risk.
 - where skidders/ haulers and guy ropes are located.
 - If cables could contact lines or support structures (including cable failure).

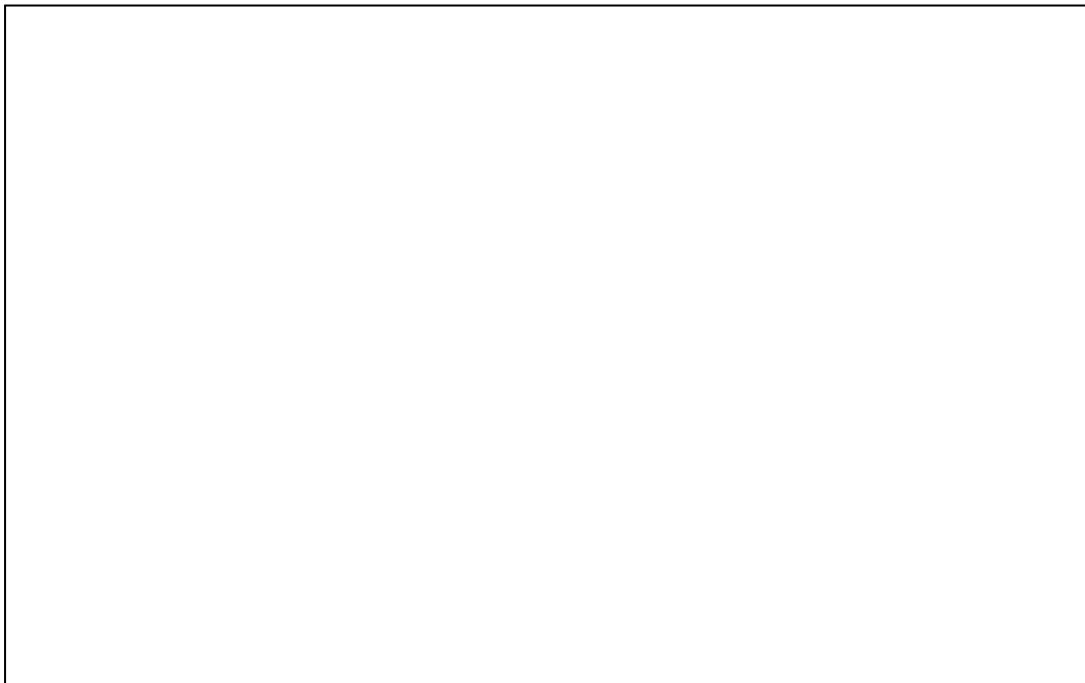
Description:

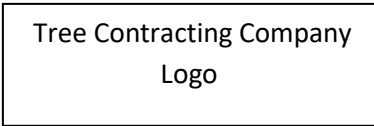
Images:

Include a map of the block to identify trees within;

- two tree lengths.
- fall distance plus four metres.
- four metres of the electricity lines.

Show the location of machinery/plant e.g. skidder sites, haulers, extraction routes in relation to the lines.

Map of harvest block (Forestry manager to provide)**Site map with Network assets (Powerco to provide)**



Outage Required/Requested (Powerco or Service Provider to complete)

Describe whether an outage has been requested and what has been agreed between Powerco and contractor, including the factors that were considered and influenced the outcome.

Description;

Outage Request Outcome;

1	Unsafe to proceed in a live condition, outage not available – work cancelled	No
2	Mutually agreed outage on the proposed date	No
3	Outage not Practicable - safe to continue with live lines using electrical risk controls	No

CONTRACTOR’S DECLARATION:

<ul style="list-style-type: none"> • The contractor is responsible for “Worksafe notification of hazardous work”. • That staff are trained, ticketed and competent for the specific tasks they will undertake. • That all plant and equipment are compliant for the nature of work being undertaken. • That all parties shall be familiar with and operate within the boundaries relevant Legislation, Approved Code(s) of Practice and Industry Best Practice. • That all work undertaken will be completed as per the agreed Electrical Hazard Management Plan. • Emergencies have been planned for and staff are trained to deal with them.
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Tripartite Agreement			
Agreed Parties	Print Name	Signature	Date
Powerco representative			
Tree Owner/manager			
Contractor			