

---

# Islington Substation Transpower

National Grid New Zealand Wikipedia. Projects Transpower. Transpower NZ Home Facebook. SSG Electricity Authority. Fire at Christchurch power station reports of explosion. Transpower Islington ? In With The New Quasar Systems. Transpower NZ Our crews are getting ready to inspect. FINANCIAL REVIEW QUESTIONNAIRE. Energy News New Zealand Energy Sector. GETS Transpower New Zealand Limited Engineering. Our Team ABA Project Management. Mike McLay PBA. TRANS POWER Wellington 6140 resources ccc govt nz. Transpower Deloitte Energy Excellence Awards. BEFORE THE INDEPENDENT HEARINGS PANEL. Hyundai Transformer Installations PBA. The Proposed Hurunui District Plan. Equipment failure at Islington Substation Transpower. Transpower Deloitte Energy Excellence Awards. Transpower Islington Substation fire Roberts Road Christchurch. Large fire explosions at Christchurch power station. EA Networks Wikipedia. Islington SVC Condition Assessment TransGrid Solutions. Category Transpower Quasar Systems. Blasts fire at Christchurch substation Otago

---

---

Daily. Commerce  
Commission Upper South  
Island grid upgrade.  
IMPACT OF THE DARFIELD  
EARTHQUAKE ON THE  
ELECTRICAL POWER.  
IMPACT OF THE KAİKŪRA  
EARTHQUAKE ON THE  
ELECTRICAL POWER.  
Performance of  
Electric Power Systems  
in the 2010 2011.  
Transpower Islington  
Construction Tender on  
EstimateOne. HVDC  
Inter Island  
Wikipedia. Orion to  
take over local  
Transpower assets  
Scoop News.  
Geomagnetically  
induced currents in  
the New Zealand power.  
Proposed Queenstown  
Lakes District Plan  
Transpower's. ORION  
NEW ZEALAND LIMITED  
NOTICE OF REQUIREMENT.  
October 2018  
Environment Canterbury  
Regional Council Dear.  
Fire at Christchurch s  
Islington Substation  
started in. SUP 13271  
Naseby Link Project  
Fibre Connectivity  
RFP. Drone footage  
Substation fire NZ  
Herald Video.  
Geomagnetically  
induced currents in  
the New Zealand power.  
ATTACHMENT E ISLINGTON  
SUBSTATION HILP EVENT  
STUDY. Haywards Sub  
Station Lower Hutt  
City. BELL GULLY  
Hedgebook. api ecan  
govt nz. Christchurch  
substation fire  
extinguished after  
nearly. 4 September  
2010 and 22 February  
2011 Christchurch. EEA  
Conf Programme 2017.  
Organisations gt gt  
NZQA Transpower New  
Zealand Limited

---

---

National Grid New Zealand Wikipedia  
December 20th, 2019 -  
The National Grid is the nationwide system of electric power transmission in New Zealand The national electricity transmission grid is owned operated and maintained by state owned enterprise Transpower New Zealand although some lines are owned by local distribution companies and leased to Transpower' 'Projects Transpower

December 26th, 2019 -  
Projects Safety Keep safe Public safety contact form Safety at Transpower System Operator Power System Live Data Market Insights About the System Operator Resources for Asset Owners Key Documents Electricity Market Information for Industry Operational Information Security of Supply Stakeholder Interaction SO Projects' 'Transpower NZ Home Facebook

December 26th, 2019 -  
Our crews are getting ready to inspect lines over the next few days from our Islington substation through to Roxburgh as well as from Fighting Bay down to Blenheim Be sure to wave hello or post pictures here if you happen to see the teams in action' 'SSG Electricity Authority

November 30th, 2019 -  
at least one 220 kV bus section at Islington substation

---

---

appears to have one Waitaki ? Islington circuit and two Islington ? Kikiwa circuits connected6 This would represent a very severe fault condition if removed from service In our dynamic analysis we assume the same post contingent events as do Transpower'

**'Fire at Christchurch power station reports of explosion**

February 15th, 2016 -

A fire service spokesman confirmed the blaze at Transpower s Islington Substation on the city s Roberts Rd was an oil fire The fire was extinguished at 3pm today Advertisement Advertise with NZME The billowing dark grey smoke turned to white clouds before clearing altogether within minutes'

**'Transpower Islington ? In With The New Quasar Systems**

December 24th, 2019 -

**Transpower Islington ? In With The New 25 8 2010 0 Comments** It was out with the old and in with the new

recently for the HMI SCADA at Transpower?s TP Islington

Substation one of their largest and most complex sites The previous HMI system was at 'end of

life?'

***'Transpower NZ Our crews are getting ready to inspect***

November 12th, 2019 -

*Transpower NZ January 6 · Our crews are getting ready to inspect lines over the next few days from our Islington substation*

---

---

*through to Roxburgh as well as from Fighting Bay down to*

**Blenheim' 'FINANCIAL REVIEW QUESITONNAIRE**

November 25th, 2019 - support equipment into the Islington substation at Christchurch and Kikiwa south of Nelson to improve voltage quality in the upper South Island South Island Grid Upgrade SIGU Plan Transpower is presently investigating a number of options to relieve the transmission constraints to the upper South Island beyond 2012'

'Energy News New Zealand Energy Sector December 25th, 2019 - Transpower can spend 21 million installing a new 220 kV bus coupler and associated switchgear at its Islington substation The new kit will be incorporated into the Christchurch reactive power controller scheme and is expected to provide about 95 MW of voltage support'

'GETS Transpower New Zealand Limited Engineering December 3rd, 2019 - Engineering Consultancy Panel Substation and electrical design ? Civil including structural and geotechnical Islington Christchurch Please email procurement@transpower.co.nz if you will be attending the briefing sessions The RFP will be advertised on GETS' 'Our Team ABA

---

---

**Project Management**  
**December 18th, 2019 -**  
**Green Field Substation**  
**Construction Projects**  
**Include Pole 3**  
**Haywards Synchronous**  
**Condenser**  
**Refurbishment for**  
**Transpower Twizel amp**  
**OHA 220kV Circuit**  
**Breaker amp Current**  
**Transformer**  
**Replacement Project**  
**for Transpower**  
**Islington 220kV**  
**Current Transformer**  
**Replacement Project**  
**for Transpower'**

**'Mike McLay PBA**

*December 14th, 2019 -*  
*Mike started his*  
*career as an*  
*Electrical Fitter*  
*based in the*  
*substation maintenance*  
*group at Islington*  
*substation and has*  
*developed a broad*  
*experience base across*  
*all aspects of AC*  
*stations primary*  
*equipment maintenance*  
*and installation*  
*Within PBA Mike holds*  
*a key role in managing*  
*the SF6 gas contract*  
*between PBA and*  
*Transpower while also'*

**'TRANS POWER**

**Wellington 6140**  
**resources ccc govt nz**  
**December 11th, 2019 -**  
**4 Islington Substation**  
**and Systems Control**  
**Centre Transpower**  
**requests that the**  
**Islington Substation**  
**and Systems Control**  
**Centre designation be**  
**included in the**  
**Proposed Plan with**  
**modification The**  
**details of the**  
**modifications and**  
**reasons for the**  
**modifications are set**  
**out below 4 1**  
**Modifications Current**

---

**notation Modified  
notation'**

**'Transpower Deloitte  
Energy Excellence  
Awards**

December 20th, 2019 -  
Transpower says  
equipment makers are  
developing circuit  
breakers with a vacuum  
interrupter or with  
CO2 as an alternative  
to SF6 but currently  
only at lower voltages  
In 2013 Transpower  
installed one of the  
first 66 kV vacuum  
circuit breakers at  
its Islington  
substation as a trial  
of the technology'

**'BEFORE THE  
INDEPENDENT HEARINGS  
PANEL**

December 2nd, 2019 -  
Nelson Marlborough and  
West Coast regions  
from Islington  
Substation on the  
western fringe of  
Christchurch 19 A  
discussion of these  
tower lines and the  
National Grid can be  
found in Mr Nobel's  
earlier evidence filed  
by Transpower in  
relation to Chapter 3  
Strategic Directions  
20 The lines were  
designed and built to  
comply with Civil  
Aviation' **'Hyundai  
Transformer**

**Installations PBA**

December 11th, 2019 -  
A 250 MVA unit at  
Transpower's Islington  
substation and two 120  
MVA units at  
Paraparaumu substation  
were underway almost  
simultaneously with  
the second Paraparaumu  
transformer delivered  
only two weeks after  
planned completion of

---

the first'

'The Proposed Hurunui District Plan

December 10th, 2019 -

Transpower seeks a National Grid

subdivision corridor

The width of all

substation and

transmission line

engineering

development work 9 I

confirm that I am

authorised to give

this evidence on

behalf of 220kV

Islington Kikawa A AC

single circuit tower

line ?''Equipment

failure at Islington

Substation Transpower

December 20th, 2019 -

Transpower advises

that this morning it

had a piece of

equipment at its

Islington Substation

fail Residents

surrounding the

substation may have

noticed fire services

on site to deal with a

small fire within the

substation'

'Transpower Deloitte

Energy Excellence

Awards

November 27th, 2019 -

The project was in

association with the

HVDC Pole 3 project ?

the new 700 MW

thyristor valve unit

that enables 1 000 MW

to flow north and

south between Benmore

in Otago and the

Haywards substation

north of Wellington

Transpower was tasked

with reviewing the

clearances on the 350

kV transmission line

for potential

clearance violations'

'Transpower Islington

Substation fire

Roberts Road

---



---

## **Christchurch**

October 2nd, 2019 -  
His Veins Run Cold  
When He Realizes Who s  
Been Haunting The  
Homestead All Along  
Duration 19 49  
Homesteading Off The  
Grid 3 803 788 views'

## **'Large fire explosions at Christchurch power station**

February 15th, 2016 -  
A large blaze at a  
Christchurch  
substation has now  
been put out by fire  
crews Residents heard  
explosions coming from  
the Islington  
substation which is  
run by Transpower and  
fire crews from across  
the city were called  
to the Roberts Rd  
address about 1 30pm'

'EA Networks Wikipedia  
November 16th, 2019 -  
The proposed grid exit  
point would be located  
approximately where  
Transpower s  
Livingstone to  
Islington 220 kV  
transmission line  
crosses Thompsons  
Track between Methven  
and Rakaia  
approximately would  
connect to both the  
Livingstone to  
Islington line and the  
nearby Tekapo B to  
Islington 220 kV via a  
short tie line and  
have two 220 66 kV'

'Islington SVC  
Condition Assessment  
TransGrid Solutions  
November 21st, 2019 -  
TransGrid Solutions  
TGS conducted a  
Condition Assessment  
on the Static Var  
Compensator 3 SVC3 at  
the Islington  
Substation located

---

near Christchurch New Zealand The SVC was originally supplied by GEC Alstom and is approximately 15 years old'

### **'Category Transpower Quasar Systems**

December 10th, 2019 -

It was out with the old and in with the new recently for the HMI SCADA at Transpower's TP Islington Substation one of their largest and most complex sites The previous HMI system was at 'end of life' utilising an obsolete operating system and associated PC hardware'

### **'Blasts fire at Christchurch**

**substation Otago Daily**  
October 14th, 2019 -

She rushed outside to ask police and Transpower officials if she should evacuate They reassured her that the transformer was protected by blast walls and that the blaze was contained It seems under control now she said A fire service spokesman confirmed the blaze at Transpower's Islington Substation on the city's Roberts Rd was an oil fire'

### **'Commerce Commission Upper South Island grid upgrade**

December 19th, 2019 -

On 11 February 2013 we approved Transpower's proposal to upgrade the Upper South Island grid to increase the transmission capacity of the 220 kV circuits connected to Islington

---

---

Substation' 'IMPACT OF  
THE DARFIELD  
EARTHQUAKE ON THE  
ELECTRICAL POWER  
November 19th, 2019 -  
with the base of one  
surge diverter  
breaking at Islington  
At Papanui substation  
liquefaction occurred  
and the transformer  
bundling moved and in  
one case cracked shown  
in Figure 6 Bundling is  
a containment system  
so that if a  
transformer leaks oil  
it will not enter the  
ground Transpower's  
approach was to  
inspect all equipment  
and' 'IMPACT OF THE  
KAIKŪRA EARTHQUAKE ON  
THE ELECTRICAL POWER  
December 25th, 2019 -  
south via Transpower's  
220kV network From the  
Christchurch Islington  
substation three 220kV  
transmission circuits  
supported on single  
and double circuit  
lattice steel towers  
traverse North  
Canterbury stopping at  
Grid Exit Point GXP  
substation Waipara and  
Culverden on their'

'Performance of  
Electric Power Systems  
in the 2010 2011  
December 16th, 2019 -  
Some little to  
moderate damage also  
happened at  
Transpower's  
substations In the  
substation of Papanui  
the 66 kV line from  
the Islington  
substation broke at  
the terminal tower but  
even with considerable  
signs of soil  
liquefaction at this  
no damage occurred  
except possibly for  
two damaged

---

---

**transformers spill  
prevention containment  
walls In'**

**'Transpower Islington  
Construction Tender on  
EstimateOne**

December 9th, 2019 -  
Transpower Islington  
Transpower Islington  
is a construction  
project based in  
Christchurch within  
the Industrial Heavy  
sector The project has  
an approximate budget  
of 500k 750k and  
quotes closed on 28th  
of July 2016'

**'HVDC Inter Island  
Wikipedia**

December 22nd, 2019 -  
The HVDC Inter Island  
link is a 610 km 380  
mi long 1200 MW  
bipolar high voltage  
direct current HVDC  
transmission system  
connecting the  
electricity networks  
of the North Island  
and South Island of  
New Zealand together'

**'Orion to take over  
local Transpower  
assets Scoop News**

June 21st, 2012 -  
Orion to take over  
local Transpower  
assets Electricity  
network company Orion  
has reached agreement  
with Transpower to  
transfer ownership of  
the national grid  
owner s Papanui  
substation in  
northwest Christchurch  
and the associated  
high voltage 66 000  
volt lines from  
Islington' '

**Geomagnetically  
induced currents in  
the New Zealand power  
December 5th, 2019 -  
Measurements of GICs  
recorded on the**

---

---

neutral lines of transformers across the Transpower network during this event show good correlation with a GIC?index LT with the largest being approximately 22 5 Amps measured at the Islington substation The peak current as recorded from 20 s sampled data not shown'

'Proposed Queenstown Lakes District Plan Transpower?s November 16th, 2019 - Proposed Queenstown Lakes District Plan Transpower?s decisions on Council recommendations on its notice of requirement This letter sets out Transpower New Zealand Limited?s Transpower decisions on the Queenstown Lakes District Councils? recommendations on its notice of requirement Frankton

Substation' 'ORION NEW ZEALAND LIMITED NOTICE OF REQUIREMENT

December 17th, 2019 - Orion New Zealand Limited Notice of Requirement Bromley Zone Substation ? 15 July 2014 Page 4 THE SITE TO WHICH THIS NOTICE RELATES 8

Bromley Zone Substation is used for the switching and distribution of 11kV electricity and is an integral part of the electricity supply network in eastern Christchurch

9' 'October 2018 Environment Canterbury Regional Council Dear December 12th, 2019 - Transpower understands that Christchurch City

---

**Council is applying to Environment Canterbury for a Comprehensive Stormwater Network Discharge Consent CSNDC with a consent duration of 25 year sought The application seeks consent to discharge water and contaminants to land and water ? Islington Substation'**

**'Fire at Christchurch s Islington Substation started in**

*February 16th, 2016 -*

*A substation fire that billowed thick black smoke into the air*

*above Christchurch*

*originated from a capacitor problem*

*Transpower was yet to determine the root cause of the fire at its Islington*

*Substation in Roberts Rd about 1 30pm Monday but an investigation had so far discovered the electrical'*

**'SUP 13271 Naseby Link Project Fibre Connectivity RFP**

*November 28th, 2019 -*

*This procurement relates to the provision of leased fibre connectivity to enable the migration of Naseby substation to Transpower's Fibre Optic*

*Telecommunications network TransGO Naseby is a profile A Grid Exit Point GXP which is on the 220kV*

*Roxburgh to Islington line'*

**'Drone footage Substation fire NZ Herald Video**

*December 8th, 2019 -*

*Smoke has been seen billowing out of the Transpower s Islington*

---

---

Substation on the city  
s Rob A large fire has  
engulfed Christchurch  
s main power  
substation Smoke has  
been seen billowing  
out of the Transpower  
s Islington Substation  
on the city s Rob New  
Zealand Herald  
nzherald.co.nz Monday  
09'

***'Geomagnetically  
induced currents in  
the New Zealand power  
November 26th, 2019 -  
being approximately 22  
5 Amps measured at the  
Islington substation  
The peak current as  
recorded from 20 s sam  
pled data not shown  
was 27.4 Amps Not all  
transformer neutral  
monitors within the  
network recorded  
currents as large as  
those shown in Figure  
2 A full network  
analysis may establish  
whether the largest  
currents were  
observed'***

**'ATTACHMENT E  
ISLINGTON SUBSTATION  
HILP EVENT STUDY  
December 15th, 2019 -  
Islington substation ?  
a key site in the New  
Zealand power system  
Islington substation  
is considered to be  
one the key substation  
sites in the New  
Zealand power system  
It is a large 220 kV  
66 kV 33 kV 11 kV  
substation one of the  
top 5 sites in Risk  
Assessment Economic  
Analysis Transpower or  
Regulatory approval'**

**'Haywards Sub Station  
Lower Hutt City  
July 10th, 2019 -  
Haywards HVDC Static  
Inverter Plant is the  
terminal at Northern**

---

---

end of Inter Island  
HVDC link the high  
voltage direct current  
connection between the  
two main islands of  
New Zealand which went  
into service in 1965  
It was built with  
mercury arc rectifiers  
in its static  
inverters'

'BELL GULLY Hedgebook  
December 26th, 2019 -  
Transpower New Zealand  
Limited Submitter 832  
and Further Submitter  
1331 Submitter that  
the 66 kV line from  
Islington substation  
is a 66 kV electricity  
distribution line and  
not a National Grid  
line Commercial  
Rezoning Waterman  
Place and Ferry Road  
4'

'api ecan govt nz  
December 2nd, 2019 -  
The photograph below  
shows our Islington  
220 66 33 11kV  
Substation in  
Christchurch An  
electricity station  
without power  
transformers is called  
a switching station  
Transpower currently  
has twenty six  
substations within the  
Canterbury region Some  
of these substations  
are co located on  
Power Station  
sites' 'Christchurch  
substation fire  
extinguished after  
nearly  
February 15th, 2016 -  
The fire was put out  
about 3 45pm after a  
local resident heard  
an explosion just  
after 1pm at the  
Islington Substation  
on Roberts Rd I heard  
three loud explosions

---



---

and I just thought it was something falling off the back of a truck just driving past had a look out the window and there were big'

' 4 September 2010 and 22 February 2011  
Christchurch  
December 15th, 2019 - Christchurch  
Earthquakes from a Transmission Grid Infrastructure Perspective  
Islington substation ?220kV surge arrester mounted on top of ? Civil Defence and Emergency Management Act 2002 require Transpower to ?ensure it is able to function to the fullest possible extent'

' EEA Conf Programme 2017  
December 10th, 2019 - Islington Substation SVC9 Fire Investigation  
Matthew Gnad amp Michael Dalzell Transpower NZ Ltd Wellington  
Electricity Response to 14 November Kaikoura Earthquake  
Geoff Thorburn Wellington Electricity  
Possible Risk Based Approaches to Large Designing Electrical Storage Facilities  
EECON 2016 Award Michael Erskine Ghd Pty Ltd'

' Organisations gt gt NZQA Transpower New Zealand Limited  
December 17th, 2019 - Transpower Grid Skills  
Palmerston North 6660 1 Level 5 IRD Building  
Corner Ashley and Ferguson Street  
Palmerston North Islington Substation

---

---

**Ohau Drive Islington  
Christchurch 8042  
Transpower New Zealand  
Limited Bunnythorpe  
6660 4 '  
,**

Copyright Code :  
[8GoT3HS6PQgbzYK](#)

[Chemfax Answer Sheet](#)

[Pojam I Vrste Blagajne](#)

[Reilly Chiropractic  
Wordpress Com](#)

[Reading Comprehension  
Passages Ok](#)

[Chemical Names And  
Formulas Answers](#)

[Way Ahea 2 Workbook  
Answer](#)

[Geografie Clasa A 8](#)

[Memorandum Of March  
Examination 2014 Maths  
Literacy](#)

[Lo Cat September 2013  
Memo](#)

[Formula Igcse Maths  
Core](#)

[Application Forms For  
Kagumo Ttc](#)

[Mini Cooper Engine  
Diagram](#)

[Wiley Plus Quiz 21](#)

[Modified Flight Plan](#)

[Kirtu Full Episode  
Free Downlod](#)

[I Feel Pretty Sheet  
Music](#)

[Iiss Military Balance](#)

[Tracing Guide Numbers](#)

[Ford Galaxy Technical](#)

---

---

[Manual](#)

[Read Unlimited Books](#)  
[Online Elettrotecnica](#)  
[E Applicazioni](#)  
[Fabbricatore](#)

[Reversing Local](#)  
[Anesthesia Dr Stanley](#)  
[F Malamed](#)

[D16z6 Service Manual](#)

[Ocimf Tanker](#)  
[Management And Self](#)  
[Assessment Guide](#)

[Organizational](#)  
[Behavior Self](#)  
[Assessment Library](#)

[Your Brain At Work](#)  
[David Rock](#)

[Englishforeveryone Org](#)  
[Africa](#)

[Intermediate](#)  
[Accounting 14th](#)  
[Edition Solutions 18](#)

[Lonely Planet Francais](#)  
[Perou](#)

[Call Of The Wild](#)  
[Multiple Choice](#)  
[Questions](#)

[By George Orwell](#)  
[Keybookshop](#)

[Calculus By Howard](#)  
[Anton 6th Edition](#)

[Century 21 South](#)  
[Western Accounting](#)  
[Workbook Answers](#)

[Iso 27013 Standard](#)

[Jeppe College Do They](#)  
[Have N1](#)

[Objective Questions](#)  
[And Answers On](#)  
[Business Communication](#)

[Vectra Air](#)  
[Conditioning Diagram](#)

---