



## Application Form

### Connection of Distributed Generation over 10kW

You must obtain our written agreement before you can connect any distributed generation plan to our network.

#### Details of your proposed distributed generation

For all applications to connect distributed generation to our network we need to evaluate the total export capability of your proposed generator (eg; the maximum amount of electricity that your generation is able to inject into our network) to assess whether your proposed plant can be operated safely and within the capacity of your electricity connection and our upstream network.

Please complete the form below so we can undertake our assessment and evaluation process for approval.

Details of person/organisation applying to connect distributed generation.	Details of location where distributed generation is to be connected.
Name: _____	Name: _____
Company: _____	Company: _____
Address: _____ _____	Address: _____ _____
Phone(s): _____ _____	Phone(s): _____ _____
Facsimile: _____	Facsimile: _____
Email: _____	Email: _____

General	
Status of this application	<input type="checkbox"/> Initial <span style="margin-left: 100px;"><input type="checkbox"/> Revised and Final</span>
Point of connection	<input type="checkbox"/> New <span style="margin-left: 100px;"><input type="checkbox"/> Existing</span> ICP No. 0000_____CT_____ (from power bill) <input type="checkbox"/> Residential <span style="margin-left: 100px;"><input type="checkbox"/> Commercial</span>

<b>General</b>	
Energy retailer who will contract to purchase your electricity	
Party responsible for metering arrangements	

<b>Equipment Type</b>	
Type	<input type="checkbox"/> Synchronous <input type="checkbox"/> Induction <input type="checkbox"/> Inverter
Primary energy source	<input type="checkbox"/> Diesel Engine <input type="checkbox"/> Hydro <input type="checkbox"/> Wind <input type="checkbox"/> Solar <input type="checkbox"/> Gas Turbine <input type="checkbox"/> Fuel Cell <input type="checkbox"/> Other (specify) _____
Equipment manufacturer	
Model	

<b>Rating Details</b>	
Voltage _____	Amps _____
kW _____	kVA _____
kVAr reactive power	
Power factor at maximum kW output	
Number of phases	

<b>Operating Details</b>	
Anticipated operating profile (eg; continuous, intermittent, etc)	
How will generator be controlled and supervised?	
Method of voltage control	
Synchronising arrangements	
Generator transformer details if applicable	

<b>Interface &amp; Protection Details</b>	
Means of connection/disconnection/isolation	
Protection systems and settings to be used	
Circuit breakers to be installed	
Generator earthing arrangements (if applicable)	
Method of voltage control	
Over/under voltage protection	
How will the generator disconnect when an outage occurs on NEL's network?	
Measures to prevent "islanding"	

<b>Other Details</b>	
Metering arrangements proposed	
Meter board/connection point signage	
Name of design engineer(s)	
Name of registered electrical contractor installing system	
Single line diagram for the installation and its connection to NEL's network	<input type="checkbox"/> Attached
The proposed generation system will comply with regulator and NEL requirements	AS/NZS 3000 Electrical Installations <input type="checkbox"/> Y <input type="checkbox"/> N AS 4777 1 – 3 (Where applicable) <input type="checkbox"/> Y <input type="checkbox"/> N NEL's Distribution Code <input type="checkbox"/> Y <input type="checkbox"/> N

Other Details	
The proposed generation system will comply with industry requirements	Electricity Industry participation code 2010, Part 6 Connection of Distributed Generation.  <input type="checkbox"/> Y <input type="checkbox"/> N
Expected dates of testing and commissioning	Testing _____ Commissioning _____

Please attach the technical specifications of your equipment. You need to show how your proposed distributed generation would automatically disconnect from our network during a power outage (it is important that distributed generation systems isolate from the network to avoid injury to line workers).

If the information provided with this application is insufficient for our assessment, this will delay processing of the application and we will request further information to be supplied.

Prior to final commissioning we will require you to submit a Declaration and Confirmation of Connection form to confirm that the plant has been installed and will be operated in accord with this application.

**Applicants Acknowledgement**

I apply to connect a distributed generator to NEL electricity network and confirm that the above information is correct. In so doing I acknowledge that I will be responsible for the safe connection and operation of the generation facility and that it will be installed and operated in accord with good industry practice, NEL’s technical requirements and the Electricity Industry Participation Code.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Nelson Electricity Ltd’s Approval**

NEL agrees to the connection of the distributed generator described above to its electricity network. This approval, however, is conditional on

- The applicant submitting a fully completed Declaration and Confirmation of DG Installation form before the generation plant is connected to the distribution network.
- Any other conditions listed \_\_\_\_\_

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Further Enquiries and Return Completed Application Form to -  
Brian Rae, Network Manager, Nelson Electricity  
PO Box 7083, Nelson 7042 brian@nel.co.nz**