

Distributed Generation (DG) Connection Application Form For Inverter Based Generators of 10kW or less



This document outlines the approval and connection timelines, costs and technical requirements for Inverter based DG with an output of 10kW or less. In most cases, this will be Solar DG.

This is DG applied for under Part 1A of Schedule 6.1 of the EIPC.

Application and Approval

- An application for connection of DG of 10kW or less using an approved inverter must be completed using this form.
- An application fee of \$100+GST must be received by us prior to us processing your application.
- Within two working days of receipt of your application and fee we will confirm whether your application contains all necessary information to allow assessment.
- Within ten working days of receipt of your application form and fee, we will notify you of whether your application is approved or declined.
 - If your application is approved, we may outline additional technical requirements to our Network Code to enable safe and reliable operation of our Network.
 - If your application is declined, we will provide detailed information as to why it was declined and the steps you may take to achieve approval under another application.

Technical Requirements

DG connected following approval of this application must comply with the following:

- The Electricity Industry Participation Code 2010.
- The Electricity (Safety) Regulations 2010.
- DS30 Network Code.
- Have no more than 6kW connected DG per phase in poly-phase residential installations.
- Inverters must:
 - Be designed and installed in accordance with AS/NZS 4777.1 and
 - Have a DoC issued in accordance with AS/NZS 4777.2 or
 - Be on our list of approved inverters.
- Must be capable of control using volt-watt and volt-var response modes.
- Where we have provided specific operation and protection settings for inverters, these must be used.
- Where we have not provided specific operation and protection settings for inverters, the default options for NZ under AS/NZS 4777.1 must be used.

Commissioning and Livening

Depending on the complexity of the connected DG we may request to observe commissioning of the DG. If required, this will be signalled as part of the DG approval and will be at a cost of \$60+GST.

Within 10 working days of commissioning and livening the DG, the Customer must provide us with completed copies of the following:

- Any test forms provided by us as part of the DG approval.
- The Certificate of Compliance, Electrical Safety Certificate and Record of Inspection provided by the installer of the DG.

Process

1. Fill out the application form with generator details and pay the application fee.
2. TLC will confirm receipt of application within 2 business days
3. TLC will approve or decline the application within 10 business days
4. TLC will advise if additional processes such as pre and post installation inspections are required, and if so additional fees may apply.

Full details of all requirements may be found in our Distributed Generation Policy.

Return completed form to:
The Lines Company Limited

Phone: 0800 367 546
Email: connections@thelines.co.nz

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New DG application



Change to existing DG application

A. Customer Information

Name on Electricity Account:



ICP Number
(from your electricity retailer):



Street Address:



Suburb:



City or Town:

Postcode:



Phone:

B. Installer Information

Contact Person:



Company Name:



Phone:



Email:



Postal Address:



City or Town:

Postcode:

C. Billing

Please bill the
application/work to:



Customer



Installer

D. Proposed start date

What date do you expect the
generator to begin operations?



E. Technical Information

Please attach a copy of the technical specifications of the generator and associated equipment together with supplier contact details for the equipment that you propose to install.

Primary Energy Source (indicate below):

- Photovoltaic Panels Hydro-electric Turbine
 Wind Turbine Other Type (please specify): _____
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Generator/PV Panel Manufacturer:

Generator (i.e: PV Panel) Model:

Battery System Model (if applicable):

Battery System Capacity:

Inverter Manufacturer:

Inverter Model:

Number of Inverters:

Total Inverter Rated Power Output (kW):

Maximum Intended Export Power (kW):

Details of connected voltage (e.g. 230V or 400V):

If this application is a modification of an existing DG, please provide details:
Pre-existing Inverter model and quantity / What is being removed, replaced and/or added

F. Declaration

By submitting this application, I acknowledge that I will be responsible for the installation and maintenance of the system to the relevant Regulation and Standards and that I will notify the current and any future occupiers of the property concerned of the responsibilities and obligations of having a distributed generator connected to TLC's network.

Name:

Date:
