

## CONNECTION OF DISTRIBUTED GENERATION OF ABOVE 10KW IN TOTAL

*The personal information you include on this form is needed to process your application. Your name and the type, size and general location of your proposed distributed generation may be made publicly available. You have the right under the Privacy Act 1993 to access and request correction of your personal information.*

### Initial Application Form

<b>Applicant Details</b>	
The contact details of the installer including address, telephone number and email address:	
Whether the proposed connection is a new DG connection or an increase in capacity for an existing connection:	
<b>Distributed Generation</b>	
Evidence of the size nominal capacity of the generating unit, along with the name plate rating if known, including: <ul style="list-style-type: none"> <li>▪ if the proposed connection is a new connection, the size nominal capacity of the total generation; or</li> <li>▪ if the application is for an increase in capacity for an existing connection, both the size nominal capacity of the additional generation and the aggregate size nominal capacity of all devices at the point of connection:</li> </ul>	
Type of DG for example, solar photovoltaic, wind:	
Proposed location of the DG NZMG coordinates:	
When the DG is likely to be connected:	
Technical specifications of the DG and associated equipment, including: <ul style="list-style-type: none"> <li>▪ Technical specifications of equipment that allows the DG to be disconnected from the Network on loss of mains voltage:</li> <li>▪ Manufacturer's rating of equipment:</li> <li>▪ The number of phases:</li> <li>▪ The proposed point of connection to the Network for example, installation control point number ICP</li> </ul>	

and street address: <ul style="list-style-type: none"> <li>▪ Details of either or both of any inverter and battery storage:</li> <li>▪ Details of any load at the Horizon Energy proposed point of connection:</li> <li>▪ Details of the connected voltage for example, 415V or 11kV:</li> </ul>	
Information showing how the DG complies with Horizon Energy's Standard Terms and Conditions:	
The maximum active power injected kW max:	
The reactive power requirements kVARs if any:	
Resistance and reactance details of the generating unit:	
3 $\emptyset$ Fault level contribution kA:	
1 $\emptyset$ Fault level contribution kA:	
Fault detection and clearance methodology:	
Method of voltage control:	
Single line diagram of proposed connection (include neutral connection diagram):	
Means of synchronisation and connection and disconnection to the Network, including the type and ratings of circuit breaker proposed:	
Details of compliance with frequency and voltage support requirements as specified in the Electricity Governance Rules if applicable:	
Proposed periods and amounts of electricity injections into, and off takes from, the Network if known:	
Any other information that is required by Transpower New Zealand Limited as the system operator:	
Energy Retailer for load and generation	

In addition to the information and supporting documentation specified above, this application must be accompanied by:

1. Application fee is non-refundable and as follows:

- (a) \$500+GST for distributed generation of above 10 kilowatts in total but less than 100 kilowatts in total, or



(b) \$1,000+GST for distributed generation of 100 kilowatts or above in total but less than 1 megawatt; or

(c) \$5,000+GST for distributed generation of 1 megawatt and above.

2. A certificate from a registered electrician or licensed electrical inspector, confirming that the distributed generation complies with the Electricity Regulations 1997.

### Declaration

[ \_\_\_\_\_ ], being the applicant for the connection of the DG referred to in this **Initial Application Form** to Horizon Energy's Distribution Network, certify that the above information is true and correct.

**Signed** for/by the applicant:

\_\_\_\_\_

\_\_\_\_\_  
[insert name and position]

\_\_\_\_\_  
[insert date]

Horizon Energy Distribution Ltd recommends the Customer use the services of a consultant to carry out the initial evaluation when proposing to connect a DG to Horizon's Network.