

# Model Standing Offer for Micro Embedded Generator Basic Connection Services

## **MICRO EMBEDDED GENERATOR BASIC CONNECTION SERVICES**

- NEW CONNECTION WITH MICRO EMBEDDED GENERATOR
- EXISTING CONNECTION WITH NEW MICRO EMBEDDED GENERATOR
- CONNECTION ALTERATION WITH MICRO EMBEDDED GENERATOR

Version 6.0a – Proposed for approval by the Australian Energy Regulator (April 2024)  
Effective [1 July 2024]

## INTRODUCTION

### Structure of this *model standing offer*

This *model standing offer* comprises the following:

- **This Introduction:** An explanation of:
  - The *micro embedded generator basic connection services* provided under these terms and conditions
  - The *connection charges*
  - The process for *you* applying for, and *us* providing, a *micro embedded generator basic connection service*, and
  - Other information – such as our contact information.
- **Part A:** An overview of the application and offer process.
- **Part B:** Terms and conditions for the provision of *micro embedded generator basic connection services*.

### This *model standing offer* applies to *micro embedded generator basic connection services* only

There are three categories of *micro embedded generator basic connection services* available under this *model standing offer*:

- a) **New connection including a *micro embedded generator***
- b) **Addition of a *micro embedded generator* to an existing *connection***, and
- c) **Alteration of existing *connection* that includes a *micro embedded generator***.

A *micro embedded generator basic connection service* is only available where the requirements set out in clause 5.1 a) i) and the definition of a *micro embedded generator basic connection service* in clause 10 of this *model standing offer* are met. Where those requirements are met, Jemena will provide you with one of the *micro embedded generator basic connection services* listed in Schedule 1.

However, if:

- *Your application* involves a *connection* that does not meet the requirements of the definition of a *micro embedded generator basic connection service*, or
- If *you* wish to negotiate the terms and conditions on which *we* will provide the *micro embedded generator basic connection service*,

then *your application* is not for a *micro embedded generator basic connection service* and this *model standing offer* will not apply. Once *we* determine that the *connection* is not for a *micro embedded generator basic connection service*, *we* will contact *you* and advise of the process for, possible costs and expenses related to, and the applicable terms and conditions for, a *standard connection service* or a *negotiated connection service* (as applicable).

### Connection charges

The charges for *micro embedded generator basic connection services* are set out in our *Distribution Services Price Schedule*.

The applicable *connection charges* will vary depending upon the nature of the *micro embedded generator basic connection service* provided by *us* at the *supply address*.

Please note, however, that in some circumstances *you* may be required to pay charges to *us* (either directly or via *your retailer*) which are not *connection charges*. For example, the cost of providing *you* with a metering service, the costs of energisation, or other incidental costs such as wasted attendances to *your supply address* by *our* personnel.

### This *model standing offer* does not apply to the supply or sale of electricity to *you*

This *model standing offer* applies to the *connection of your supply address to our network* (via the provision to you of a *micro embedded generator basic connection service*). It does not apply to:

- The ongoing *connection of the supply address to our distribution system* – which is dealt with under the terms of *our Deemed Standard Distribution Contract*<sup>1</sup> (which is located on *our website* or can be obtained by contacting *us* via the contact details set out below), or
- The sale of electricity to the *supply address* – which is dealt with under a contract between *you* and *your* electricity retailer.

## Privacy Policy

*Our Privacy Policy*<sup>2</sup> is available on *our website*.

## Understanding this document

Italicised words in this document have the meaning given to them in the Definitions section in clause 10 of this *model standing offer*.

## Complaints and dispute resolution

If *you* have a complaint relating to this *model standing offer*, *you* may lodge a complaint to *Jemena* in accordance with *our Standard Complaints and Dispute Resolution Procedures*, which is available on *our website*<sup>3</sup>. *Jemena* will handle a complaint made by *you* in accordance with those procedures.

## Contacting us

Please ensure *you* read this document. If *you* have any queries in relation to the *connection* or the *Agreement* please visit *our website* or contact *our Network Connections Team* as follows:

Jemena Network Connections Department  
PO Box 16182, Melbourne VIC 3000  
Phone: 1300 131 871  
Email: [network.connections@jemena.com.au](mailto:network.connections@jemena.com.au)

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<sup>1</sup>[www.jemena.com.au/siteassets/asset-folder/documents/document-centre/electricity/deemed-standard-distribution-contract/jen-deemed-distribution-contract-17-may-2018.pdf](http://www.jemena.com.au/siteassets/asset-folder/documents/document-centre/electricity/deemed-standard-distribution-contract/jen-deemed-distribution-contract-17-may-2018.pdf)

<sup>2</sup> [www.jemena.com.au/about-us/privacy-policy/](http://www.jemena.com.au/about-us/privacy-policy/)

<sup>3</sup>[www.jemena.com.au/siteassets/asset-folder/documents/stakeholder-engagement/standard-complaints-and-dispute-resolution-procedure.pdf](http://www.jemena.com.au/siteassets/asset-folder/documents/stakeholder-engagement/standard-complaints-and-dispute-resolution-procedure.pdf)

## Process for undertaking a *micro embedded generator basic connection*

The process for applying for a *micro embedded generator basic connection service* and a summary of the associated obligations on *you* (or *your retailer*) and on *us* is set out below.



## PART A: EXPLANATION OF THE APPLICATION AND OFFER PROCESS

### 1. Who can make an *application*?

*Applications* for *micro embedded generator basic connection services* can be made by:

- You (or another person acting on your behalf who is duly authorised and appointed), or
- Your retailer.

### 2. How do you submit an *application*?

You can submit an *application*:

- Through our *electronic business system*, [connect and manage my electricity](#)<sup>4</sup>, or
- By filling in the *application* form published on our website and returning it to our Network Connections Team.

A paper copy of the *application* form can also be obtained by contacting our Network Connections Team (see the contact details in the Introduction to this *model standing offer*).

If your *application* is incomplete in a material respect, we will advise you and may require you to complete your *application* and re-submit it. We may require you to provide us with any additional information we may reasonably require to assess your *application*.

If your retailer is making an *application* on your behalf, then your retailer will take care of the *application* process, and the terms and conditions of this *model standing offer* will apply to the provision of the *micro embedded generator basic connection service*.

### 3. What is the offer and acceptance process?

The offer and acceptance process will depend upon whether your *application* is for an *expedited connection* or a *non-expedited connection*. Specifically, where:

- a) You have submitted a properly completed *application*, and
- b) We are satisfied that the *application* is for a *micro embedded generator basic connection service*, and in your *application* **either**:
  - i) You requested an **expedited connection** and indicated acceptance of the terms and conditions for that *micro embedded generator basic connection service* as set out in Part B of this *model standing offer*, and we did not advise you within 10 *business days* of receiving your *application* that we required further information or that a *micro embedded generator basic connection service* is not the appropriate *connection service*, or
  - ii) You **did not request an expedited connection**, so we made a written offer to provide you with a *micro embedded generator basic connection service* in accordance with the terms and conditions in this *model standing offer*, and that offer has been properly accepted by you within the period specified (which is 45 *business days* from the date of the written offer unless a longer period is agreed),

then this *model standing offer* applies as part of the *Agreement* between you and us for the provision of a *micro embedded generator basic connection service* consisting of:

- your *application* and this *model standing offer*, and
- if you did not request an *expedited connection*, it also consists of the offer that we made to you and your acceptance of that offer.

Note: Your *application* will be treated as a request for an *expedited connection* if you make an *application* via your retailer.

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<sup>4</sup> <https://myservices.jemena.com.au/edp/login/auth>

## PART B: TERMS AND CONDITIONS FOR PROVIDING THE *MICRO EMBEDDED GENERATOR BASIC CONNECTION SERVICE*

### 4. Term of this *model standing offer*

#### 4.1 Commencement

Upon the *deemed acceptance date* (for an *expedited connection*) or the date of acceptance of the *offer* by you under clause 3 (for a *non-expedited connection*), you are taken to have entered into an *Agreement* with us to carry out the *micro embedded generator basic connection service*.

#### 4.2 Expiry of the *Agreement*

The *Agreement* ends upon the earlier of:

- a) When we complete the *micro embedded generator basic connection service*, or
- b) We terminate the *Agreement* in accordance with clause 7 of this *model standing offer*.

### 5. Our obligations

#### 5.1 Provision of *micro embedded generator basic connection service*

- a) We will provide you with the *micro embedded generator basic connection service* provided that:
  - i) We are satisfied that your *micro embedded generator* is either:
    - A. *Emergency backstop enabled*; or
    - B. *An Exempt Unit*; and
  - ii) you comply with:
    - A. Your obligations set out in clause 6, and
    - B. Any other relevant obligations under the *Agreement*;  
(the "*Pre-Conditions*").
- b) We will not be required to start the *micro embedded generator basic connection service* until you satisfy the *Pre-Conditions*.

#### 5.2 Timing of *connection*

- a) Subject to clause 5.1 we will arrange a suitable date with you to complete the *connection works* from when we are satisfied that you comply with the relevant *Pre-conditions*. Up on receipt of a final *connection* request, we will use our best endeavours to ensure the *connection works* are completed within the timeframes we agree with you or, otherwise, within the timeframes set out in the relevant law or code or as soon as practical. We will only do this if you have met all of the *Pre-conditions* and your other obligations under an *Agreement* with us.

#### 5.3 Premises connection assets

- a) Any *premises connection assets* comprising the *connection works* will be installed by us and remained owned by us at all times (including after completion of the *connection*).
- b) We have the absolute right to determine the design, specifications and any other requirements, in providing you with the *micro embedded generator basic connection service*, which, without limitation, may include determining where the *premises connection assets* are located or the point of origin, route and facilities requires for any such *connection*.

#### 5.4 Force majeure

Jemena will be relieved from complying with any obligation under the *Agreement* to the extent that we are preventing from performing the obligation by any *force majeure event*.

## 5.5 We may interrupt supply from premises

We may temporarily interrupt or *curtail* electricity supply services provided to you or supply from your *micro embedded generator* into our *distribution system*, including:

- (a) for a planned or unplanned interruption; or
- (b) in accordance with the conditions of any applicable tariff; or
- (c) under a contract with *your retailer*; or
- (d) at the direction of a relevant authority; or
- (e) at the direction of AEMO, or another person lawfully authorised by AEMO; or
- (f) in accordance with *Laws*; or
- (g) to conduct testing to satisfy ourselves that *your micro embedded generator* is compliant with *Laws*;  
or
- (h) where otherwise agreed in writing between us.

## 5.6 We may adjust your inverter settings remotely

Where your *micro embedded generator* can be remotely accessed by the manufacturer to adjust the inverter settings, you authorise us to act on your behalf in directing the manufacturer to remotely adjust your inverter settings to comply with our safety and technical requirements.

## 5.7 We may interrupt or curtail without notice for testing

You authorise us to remotely interrupt or *curtail* your supply to or from our *distribution system* under clause 5.5(g) (including for a cumulative total of more than 15-minutes within a 48-hour period) without notice.

## 5.8 How we notify you of remote interruptions or curtailments

- (a) if we are directed to interrupt or *curtail* under clause 5.5(e), we will publish a notice on our website with relevant information as soon as practicable; and
- (b) otherwise, we will notify you in accordance with any applicable *Laws*.

# 6. Your obligations

## 6.1 Payment of connection charges

- a) Where you have applied for a *micro embedded generator basic connection service* via your *retailer*, you must pay the *connection charges* and any other charges payable in accordance with the *Agreement*, via your *retailer*.
- b) Where you have applied directly to us for a *micro embedded generator basic connection service*, you must pay the *connection charges* in accordance with the invoice provided by us to you by the due date. You may make payment to us by providing us with your credit card details. If you wish to make payment via a different method please contact us (via the contact details set out in the Introduction of this *model standing offer*) to discuss payment options. If any other amounts are payable in accordance with the *Agreement* (e.g. *meter service charges*, energisation fees), you will be required to make payment of such amounts to us via your *retailer*.
- c) For the avoidance of doubt, we are entitled to charge amounts other than *connection charges*, which may apply to you, such as:
  - i) For wasted attendance or after-hours appointment, or
  - ii) Energisation of your premises, or
  - iii) Costs of providing any metering service required.

## 6.2 Appointment of retailer and energisation

- a) If you have made an *application* directly to us (not through a *retailer*), the energisation of the



*connection point* and supply of electricity to the *supply address* will not commence until:

- i) You have entered into a contract with a *retailer* of your choice for the *supply address*, and
  - ii) The *retailer* has requested the energisation of your *supply address*.
- b) You will need to pay an additional fee for energisation at the rates set out in our *Distribution Services Price Schedule*. The additional fee is not included in the *connection charges*. We will bill you for these amounts via your *retailer*.  
For completeness, where you made an *application* to us via your *retailer* and energisation is requested, we will *energise* the *connection* at the time of undertaking the *micro embedded generator basic connection service*.

### 6.3 Your maximum allocated capacity

- a) You must ensure that the demand for electricity at your *supply address* does not exceed the *maximum allocated capacity*.
- b) If you wish to increase your *maximum allocated capacity*, we may charge you for the cost of any necessary works to our distribution network in accordance with our *customer connection policy* and under a separate agreement (that is, because such works will not fall within the scope of this *model standing offer*).

### 6.4 Provision of information

You must:

- a) Provide us with the information as set out in the *Micro Embedded Generator Emergency Backstop Procedures* or otherwise requested by us, required for the purposes of clause 5.1 a).
- b) Provide us with all information about any risks, hazards or other actual or potential concerns that could impact in any way on the nature, cost or timing of any aspect of the *micro embedded generator basic connection service* to be provided under the *Agreement*, as early as possible before we commence providing the *micro embedded generator basic connection service*
- c) Provide us with all other information that we may reasonably require at any time for the purposes of the *Agreement*
- d) Ensure that all information you provide us is correct and you must not mislead or deceive us in relation to any information provided, and
- e) Notify us immediately if any information that you have previously provided to us is no longer accurate in any respect.

### 6.5 Preliminary works

You must, at your expense, provide all necessary preliminary work (if any) at or near the *supply address* that we require to be carried out before we will provide the *micro embedded generator basic connection service*.

### 6.6 Metering

The *connection* must be metered. The meter must be a bi-directional meter which measures both the import and export of electricity. If your *retailer* is responsible for providing the meter, the meter must be installed at the *supply address* before we are obliged to provide the *micro embedded generator basic connection service*.

### 6.7 Compliance with safety and technical requirements and Service Installation Rules

- a) Where any electrical work is required to be undertaken (including any installation of, or alteration to, a *micro embedded generator* at the *supply address* by you or on your behalf you must ensure that such works are carried out:
  - i) Only by a person with the necessary *qualifications*, and
  - ii) In accordance with all *safety and technical requirements*.

- b) In respect of any such electrical work, *you* or *your retailer* must provide *us*, upon written request with relevant certificates including a *Micro Embedded Generator Connection Application Form*, *Prescribed Certificate of Electrical Safety* and/or an *Electrical Works Request Form* supplied by *your registered electrical contractor*.

## 6.8 Safe and unhindered access and protection of our equipment

- a) *You* must provide *our* representatives at all times (provided official identification is produced by *our* representatives if requested) with convenient, safe and unhindered access to:
  - i) The *supply address* and any other sites necessary to complete the *micro embedded generator basic connection service*
  - ii) *Our* equipment for any purpose associated with the *connection*, metering or billing of electricity, and
  - iii) *Your* electrical installation for the purpose of inspection or testing, or connecting, disconnecting or reconnecting supply.
- b) *You* must provide sufficient space at the *supply address* to accommodate *our* assets, *you* must protect *our* assets from harm and *you* agree not to tamper with, adjust, disconnect, by-pass, interfere with or otherwise damage or render inoperable or inaccurate the metering equipment and *you* must use *your* best endeavours to ensure that no other person does so or attempts to do so.

## 6.9 Additional obligations for *micro embedded generators*

### 6.9.1 Technical and safety requirements

*You* must:

- a) Ensure that the installation of the *micro embedded generator* and its *connection* to *our distribution system* complies, and continues to comply with, all *Laws and safety and technical requirements* (in particular *DER Technical Standards* and the *Micro Embedded Generator Emergency Backstop Procedures*, and that all related equipment necessary to the function of the *micro embedded generator* is connected in accordance with AS 3000 – Wiring Rules)
- b) Ensure that inverters are installed by an installer accredited under the *CEC* accreditation scheme (or replacement of such scheme)
- c) Ensure that inverters comply with the *DER Technical Standards* and are approved for installation under the Renewable Energy Certificate scheme, have volt-watt and volt-var response capability and protection functions enabled and are approved for installation by the *CEC*
- d) Ensure that the standard inverter protection settings in Schedule 1 are applied
- e) Ensure that the *micro embedded generator* is connected to a dedicated circuit complete with lockable isolating switch at the switchboard
- f) Ensure that the main switchboard, isolating fuse / switch circuit breaker are labelled correctly and alternative supply signage has been installed
- g) Ensure that commission tests as specified in the *Service Installation Rules* are satisfactorily completed
- h) Ensure that the *micro embedded generator* remains switched off until any metering upgrades or reconfiguration is complete
- i) Ensure that the *micro embedded generator* is maintained in a safe condition
- j) Ensure that *you* retain comprehensive maintenance records for work performed on the *micro embedded generator*
- k) Ensure that the *micro embedded generator* is installed and maintained in accordance with the manufacturer's instructions and specification by a *registered electrical contractor* to ensure that the *micro embedded generator* remains safe and functional at all time

- l) Ensure that *you* immediately disconnect, or arrange for disconnection of, the *micro embedded generator* from our *distribution system* if the safety features of the *micro embedded generator* are not functioning properly. *You* must not reconnect *your micro embedded generator* until the lack of functionality of the safety features of the *micro embedded generator* have been rectified
- m) Understand how to operate and maintain the *micro embedded generator* and must not operate or maintain the *micro embedded generator* in a way which:
  - i) causes, or may cause, any damage or Loss to our *distribution system*
  - ii) compromises the safe and reliable operation of our *distribution system*, or
  - iii) interferes with the continuity or quality of the electricity supply provided by us.
- n) Promptly comply with an instruction given by us or our authorised representatives in relation to the disconnection of any *micro embedded generator* from our *distribution system*. We may disconnect the *micro embedded generator* from our *distribution system* or instruct *you* to do so in any circumstance which we are entitled, or obligated, to interrupt the supply of electricity.
- o) Ensure that your *micro embedded generator* continues to be:
  - i) *Emergency backstop enabled*; or
  - ii) An *Exempt Unit*,
 and upon becoming aware of any breach of this obligation, take immediate action to rectify the breach.
- p) Promptly comply with any request by us to enable us to monitor continued compliance of your *micro embedded generator* with applicable *Laws* and our ongoing capability to remotely interrupt or curtail your supply into our *distribution system*.
- q) Ensure that you comply with the *Micro Embedded Generator Emergency Backstop Procedures*.

### 6.9.2 Maximum generating capacity

*You* must ensure that *you* do not:

- a) Install and connect a *micro embedded generator* with total generating capacity exceeding the *maximum generating capacity* to our *distribution system*, or
- b) export to our *distribution system* any amount exceeding your *export limit*.

### 6.9.3 Low static export limit

If your *micro embedded generator* is an *Exempt Unit*, you must ensure that the *low static export limit* applies to your *micro embedded generator* at all times.

## 7. Termination

- a) We may terminate the *Agreement* upon written notice in any of the following circumstances:
  - i) The *site information* provided is inaccurate and as a result the terms of the *Agreement* are no longer considered by us to be appropriate in light of the correct *site information*
  - ii) *You* have failed to comply with one or more of the *Pre-Conditions*
  - iii) *You* have indicated that *you* require an *expedited connection* but we notified *you* that a *micro embedded generator basic connection service* is not appropriate for *your application* or the *supply address*, or
  - iv) The *connection works* have not commenced within 90 days of receipt of the *application* by us because of circumstances within *your* reasonable control.
- b) If the *Agreement* ends before the *micro embedded generator basic connection service* has been provided to *you* we may disconnect, dismantle, decommission and remove any of the *premises*

*connection assets* that are only relevant to the *micro embedded generator basic connection service*.

## 8. Limitation of liability

### 8.1 General

- a) To the extent permitted by *Law* (and subject to clause 8.2 below) *our* liability to *you* is as follows:
  - i) No warranties, guarantees, undertakings or conditions are implied into the *Agreement* and, except where expressly stated in the *Agreement*, *we* give no warranties, guarantees, undertakings or conditions and make no representation to *you* about the condition, suitability, quality, fitness or safety of any electricity supplied or of *our micro embedded generator basic connection services* or the *connection works*.
  - ii) *Our* liability (if any) arising from, or in connection with, any failure to comply with any *Law* or any consumer guarantee is limited, as far as the *Law* permits and at *our* option, to resupplying the goods or services (including the *micro embedded generator basic connection services*), or paying for their resupply.
  - iii) *Neither party* shall be liable to the other for any *Consequential Loss*.
  - iv) *We* are not otherwise liable to *you* unless *we* have been negligent or acted in bad faith.
  - v) If any *Law* (including sections 119 and 120 of the *National Electricity Law*) provides *us* with any additional limitations of liability or immunities to those set out in the *Agreement* then nothing in the *Agreement* is intended to, or shall, affect the operation or application of those *Laws*.
  - vi) Any limitations or exclusions of liability in this clause or the *Agreement* apply whether a claim is based on, or arises out of, or in connection with, the *Agreement* or otherwise in contract, tort (including negligence), under any warranty or indemnity, under statute, in equity or otherwise.
- b) Nothing in this clause 8 shall limit any obligation *we* have to make a *GSL payment* to *you* due to a failure by *us* to comply with any applicable guaranteed service level.
- c) To the extent permitted by *Law*, *you* shall not be liable to *us* for any *Consequential Loss* caused to *us* by *your* acts or omissions in relation to the *micro embedded generator basic connection service*.
- d) Any obligations under the *Agreement* upon a party (i.e. *you* or *us*) to pay *Loss* to the other party, shall be reduced to the extent the *Loss* is caused, or contributed to, by the other party.

### 8.2 No representation or warranty as to performance of a *micro embedded generator*

The *connection* of the *micro embedded generator* to *our distribution system* at *your supply address* is subject to fluctuations and interruptions from time to time which may affect *your* ability to export electricity into *our distribution system* from a variety of reasons and, therefore *you* acknowledge and agree that:

- a) *We* are unable to, and do not represent, warrant or guarantee that *you*, or any person who subsequently acquires the *micro embedded generator*, will be able to export electricity into *our distribution system* at any time; and
- b) *Such* fluctuations or interruptions may damage the *micro embedded generator* or cause it to malfunction.

### 8.3 Release and indemnity

- a) *You* release and discharge *us* from and against any *Loss* that *you* may incur which arises out of, or in relation to any:
  - i) Inability, whether partial or total, to export electricity into *our distribution system* at any time, including but not limited to any partial or total failure by *us* to take supply of electricity from

the *micro embedded generator*, except where that failure is caused by *our* negligence or bad faith, and

- ii) Malfunction of, or any damage to, the *micro embedded generator* that arises out of, or in relation to, any fluctuations or interruptions from time to time in the connection of the *micro embedded generator* to *our distribution system*, except where that malfunction or damage is caused by *our* negligence or bad faith.
- b) *You* agree to indemnify *us* on demand and hold *us* harmless from and against any *Loss* that *you* incur and which, despite clause 8.2 or 8.3(a), *you* seek to, or do, recover from *us*.
- c) Where applicable, the indemnity in this clause 8.3 is to be reduced by an amount which reasonably reflects the extent to which *we* contribute to such *Loss* through *our* negligence, fraud, wilful misconduct or breach of laws.

## 9. General

- a) The *Agreement* comprises the entire understanding between *you* and *us*. To the extent permitted by *Laws*, any previous representations are superseded by the *Agreement* and will have no legal effect.
- b) If for any reason any of the terms of the *Agreement* are held to be invalid, illegal or unenforceable by any court or administrative body, all other terms of the *Agreement* will remain in force and effect.
- c) Any reference in the *Agreement* to *Laws* is a reference to the relevant *Laws* as amended or replaced from time to time. References to a “clause” are to clauses in this *model standing offer*.
- d) The *Agreement* will be governed by the *Law* applicable in Victoria.
- e) Clauses 8 and 9 survive expiration or termination of this *model standing offer*.

## 10. Definitions

The terms set out below have the following meanings wherever used in this *model standing offer*:

**AEMO**—means the Australian Energy Market Operator Limited ACN 072 010 327 and includes any replacement, successor or assign of this entity.

**AER**—means the Australian Energy Regulator.

**Application**—means any application made by *you* (including via *your agent* or *your retailer*) for a *micro embedded generator basic connection service*.

**Agreement**—means the contract between *you* and *us* for provision of a *micro embedded generator basic connection service* comprising the documents referred to in clause 3 of this *model standing offer*, and includes this *model standing offer*.

**Basic connection services**—means a *connection service* which involves a new *connection* or a *connection alteration* for which a *model standing offer* has been approved by the *AER* and that does not involve any *micro embedded generator*.

**Business day(s)**—means a day (not being a Saturday or Sunday) or a public holiday appointed under the Public Holidays Act 1993 (Vic).

**CEC**—means the Clean Energy Council Limited (ABN 84 127 102 443) and includes any replacement, successor or assign of this entity

**Connection**—means a physical link between *our distribution system* and the *supply address* of *your micro embedded generator* to allow the flow of electricity via the *premises connection assets*.

**Connection charges**—means the amount that *you* must pay for the provision of the *micro embedded generator basic connection service*.

**Connection date**—means the date on which *we* agree to complete the *connection works*.

**Connection point**—means the point where the *customer's* electrical installation is *connected* to *our distribution system*.

**Connection work(s)**—means all works undertaken by us in providing the *micro embedded generator basic connection service*.

**Consequential Loss**—means any *Loss* which does not arise naturally according to the usual course of things, including (but not limited to):

- a) indirect, special or consequential Loss ;
- b) loss of opportunity, revenue, profit or anticipated profit, contracts, or goodwill,
- c) loss arising from business interruption; or
- d) liability arising out of or in connection with pollution or contamination,

but does not include any *Direct Loss*.

**CSIP-AUS**—means the Common Smart Inverter Profile Australia, SA HB 218:2023 Handbook, first published by Standards Australia on 16 June 2023 and as amended from time to time or if superseded, the document(s) listed by Standards Australia as superseding the SA HB 218:2023 Handbook.

**Curtail**—means limiting the export of electricity from an embedded generating unit into the distribution system.

**Customer**—means the customer identified in the *application*.

**Customer connection policy**—means *our* connection policy required to be published under Chapter 5A of the *National Electricity Rules*, as published on *our* website.<sup>5</sup>

**Your Obligations**—means the requirements set out in clause 6 of this *model standing offer*.

**Deemed Acceptance Date**—means the day an *expedited connection* is taken to have been accepted in accordance with clause 3 of this *model standing offer*.

**Deemed Standard Distribution Contract**—means *our* deemed standard contract for supply of electricity published on *our* website, as amended from time to time.<sup>6</sup>

**DER**—means Distributed Energy Resources.

**DER Technical Standards**—means the requirements for a *micro embedded generator* under Australian Standards AS4777.1:2016, AS4777.2:2020 and the Common Smart Inverter Profile Australia, SA HB 218:2023 Handbook as in force from time to time.

**Direct Loss**—means the actual, direct and foreseeable Losses incurred by a party which arise naturally according to the usual course of things and includes *Loss* of us or our customers due to damage to or interference with our assets or electricity distribution network.

**Distribution Services Price Schedule**—means *our* schedule of charges which have been approved by the *AER*. A copy of our Distribution Services Price Schedule<sup>7</sup> can be accessed on *our* website or a printed copy can be obtained by contacting *us* via the contact details set out in this *model standing offer*.

**Distribution system**—means our *distribution system*, including any connection assets, where relevant.

**Electrical Works Request Form**—means the Electrical Works Request Form for new and existing installations which provides certification that the electrical work complies certain requirements.<sup>8</sup>

**Electronic business system**—means *our* electricity distribution portal located at connect and manage my electricity<sup>9</sup>.

**Force majeure event**—means an event outside the control of *us* or *you* (such as, without limitation, natural disasters and acts of God).

**Emergency backstop enabled** means, in relation to a *micro embedded generator*, means:

- (a) able to communicate with *our* utility server via a communication channel that is compliant to *IEEE 2030.5 CSIP-AUS* and is hosted:
  - i. on the relevant *micro embedded generator*; or

<sup>5</sup> [www.jemena.com.au/siteassets/asset-folder/documents/electricity/jemena-electricity-networks-connection-policy.pdf](http://www.jemena.com.au/siteassets/asset-folder/documents/electricity/jemena-electricity-networks-connection-policy.pdf)

<sup>6</sup> [www.jemena.com.au/siteassets/asset-folder/documents/document-centre/electricity/deemed-standard-distribution-contract/jen-deemed-distribution-contract-17-may-2018.pdf](http://www.jemena.com.au/siteassets/asset-folder/documents/document-centre/electricity/deemed-standard-distribution-contract/jen-deemed-distribution-contract-17-may-2018.pdf)

<sup>7</sup> [www.jemena.com.au/electricity/jemena-electricity-network/](http://www.jemena.com.au/electricity/jemena-electricity-network/)

<sup>8</sup> [www.victoriansir.org.au/Forms.aspx](http://www.victoriansir.org.au/Forms.aspx)

<sup>9</sup> <https://myservices.jemena.com.au/edp/login/auth>

- ii. on a gateway device; or
  - iii. via a cloud connection; and
- (b) connected to *our* utility server via the internet – to enable the remote interruption or *curtailment* by *us* of electricity generated by the relevant *micro embedded generator*.

**Exempt Unit**—means a *micro embedded generator* which *we* are satisfied:

- (a) is not greater than 30 kVA capacity; and
- (b) cannot practicably be connected to *our* utility server via the internet; and
- (c) is able to communicate via a communication channel that is compliant to IEEE 2030.5 CSIP-AUS.

**Expedited connection**—means *you* have submitted a complete *application* for a *micro embedded generator basic connection service* which has been accepted by *us* and *you* have indicated in the *application* that *you* agree to accept the terms of this *model standing offer* and do not wish to go through the *offer* and acceptance process.

**Export limit**—means the export capacity limit of the *micro embedded generator* approved by *us* unless varied from time to time by any notice given by *us* to the *retail customer* at the supply address. For avoidance of doubt, *the export limit* must not exceed 5kVA per phase (or 15kVA per three-phase) at the *connection point*. Where the *low static export limit* is applicable, references to the *export limit* are replaced with the *low static export limit* as appropriate.

**GSL Payment**—means the guaranteed service level payments required to be made by *us* in the circumstances, and at the rates and maximum amounts, set out in the Electricity Distribution Code of Practice as may be amended from time to time.

**Host Retailer**—means the retailer as advised by *us* from time to time. Please contact *us* for details of the applicable host retailer.

**IEEE 2030.5 CSIP-AUS**—means the Standard IEEE 2030.5-2018 CSIP-AUS, Institute of Electrical and Electronics Engineers Standard for Smart Energy Profile Application Protocol, as amended from time to time.

**Law or Laws**—means all acts, ordinances, regulations and sub-ordinate legislation applicable to the *Agreement* (including the Competition and Consumer Act 2010 (Cth)), any codes, applicable Australian or international standards, any applicable certificates, licences, consents, permits, notices, orders, directions or approvals of organisations having jurisdiction in relation to the subject matter of the *Agreement* and includes any amendment to such instruments made from time to time.

**Loss**—means any liability, cost, expense, *loss* or damage (including any cost or expense incurred in connection with a claim).

**Low static export limit**—means a maximum specified capacity to supply into the *distribution system* at all times of day and in all network operating conditions that is lower than, and which replaces, the *Export Limit*, as of 1 July 2024 (as amended from time to time by the *Micro Embedded Generator Emergency Backstop Procedures*).

**Maximum allocated capacity**—means *your* maximum allocated capacity for a *basic connection service* will (unless otherwise agreed in writing) be the lesser of:

- a) 40 amps per phase, or
- b) The rating of the smallest component of *our distribution system* used solely to supply electricity to *your supply address*.

**Maximum generating capacity**—means the total inverter capacity of the *micro embedded generator*, which is less than or equal to 10kVA per phase (or 30kVA per three-phase)

**Meter service charges**—means that *we* are supplying a meter the meter service charge that recovers *our* capital and operating metering costs (as determined by the rates fixed by the *AER*).

**Micro Embedded Generator Emergency Backstop Procedures**—means the procedures published by *us* from time to time on *our* website setting out the processes relevant to emergency backstop requirements (such as procedures or requirements for testing, installation settings and commissioning of new units) and any further specifications we may require (such as a list of improved approved inverters which must be complied with), including to confirm to *our* satisfaction that the *micro embedded generator* is and remains compliant with relevant *Law*.

**Micro embedded generator**—means an embedded generator unit or units (including an inverter or inverters and any related equipment essential to its functioning as a single entity or any requirements of the kind contemplated by the *DER Technical Standards*) for which *basic micro embedded generator connection services* are required (e.g. solar panels, wind generators, battery storage).

**Micro embedded generator basic connection service**—means a *connection* or a *connection* alteration involving

*micro embedded generator* and which is set out in Schedule 1 to this *model standing offer* and which also meets the following qualifying conditions:

- a) No augmentation, replacement or extension of *our distribution system* is required
- b) There is an adequate network capacity available at the required voltage at or near the boundary of the *supply address* to accommodate the new *connection* or *connection alteration* that includes a *micro embedded generator*
- c) The *maximum generating capacity* and the *maximum allocated capacity* will not be exceeded
- d) Where applicable, the required overhead clearances (as detailed in section 7—Connecting to the Low Voltage (LV) Network of the *Service Installation Rules*) must be able to be achieved and maintained for an overhead connection and there must be no excessive property crossing, and
- e) The *connection* must be metered.

**Micro Embedded Generator Connection Application Form**—means the Application for Micro Embedded Connection Services which is available on *our* website.

**Model standing offer**—for *micro embedded generator basic connection services* means the terms and conditions set out in this document and any attachments to this document.

**National Electricity Law**—means the Schedule to the National Electricity (South Australia) Act 1996 (SA), which applies as a law of Victoria, in accordance with section 6 of the National Electricity (Victoria) Act 2005 (Vic).

**National Electricity Rules**—has the same meaning as it has in the National Electricity Law.

**Negotiated connection service**—means services provided under a negotiated connection contract agreed in accordance with Part C, Chapter 5A of the *National Electricity Rules*.

**Offer**—means the offer made by *us* to *you* (in accordance with clause 3 of this *model standing offer*) to provide a *micro embedded generator basic connection service* and which comprises a written *offer* and this *model standing offer*.

**Our, we, us or Jemena**—means Jemena Electricity Network (Vic) Limited (ABN 82 064 651 083) and, as applicable, *our* contractors, subcontractors or agents.

**Pre-Conditions**—means the pre-conditions set out in clause 5.1(a) which *you* must satisfy before *we* are required to provide *you* with a *micro embedded generator basic connection service*.

**Premises connection assets**—means the components of *our* distribution network used to provide a *micro embedded generator basic connection service* to *you* which includes, without limitation:

- a) For an overhead *connection* – the service line from *our* power pole to the *supply address* and the fused overhead line *connection box*, or
- b) For an underground *connection* – the underground service pit.

**Prescribed Certificate of Electrical Safety**—means the Prescribed Certificate of Electrical Safety which is available on Energy Safe Victoria's website.<sup>10</sup>

**Qualifications**—means a *registered electrical contractor* or any alternative qualification accepted or agreed to by Energy Safe Victoria.

**Registered electrical contractor**—means any person in the business of electrical contracting or offering to contract who is registered by Energy Safe Victoria as an electrical contractor.

**Retail customer**—has the same meaning as in the National Electricity Law (that is, a person to whom electricity is sold by a *retailer*).

**Retailer**—means a person who holds, or is exempt from holding, a retail licence to sell electricity (other than through the wholesale electricity market) under the Electricity Industry Act 2000 (Vic).

**Safety and Technical Requirements**—includes the Electricity Industry Act 2000 (Vic), the Electricity Safety Act 1998 (Vic), the Essential Services Commission Act 2001 (Vic), the National Electricity (Victoria) Act 2005 (Vic), the National Electricity (Victoria) Further Amendment Act 2016, the *National Electricity Rules*, the Occupational Health and Safety Act 2004 and any regulations or determinations under those Acts (including the Electricity Safety (Installation) Regulations 2009, Electricity Safety (Electric Line Clearance) Regulations 2010 (Vic) and the Occupational Health and Safety Regulations 2007), the National Electricity Law, any codes (including the Electricity Distribution Code of Practice), the Victorian *Service Installation Rules*, the Victorian Electricity Supply Industry (VESI) The Green Book 2013, VESI

<sup>10</sup> [www.esv.vic.gov.au/certificates-electrical-safety](http://www.esv.vic.gov.au/certificates-electrical-safety)



Fieldworkers Handbook 2008, VESI Skills and Training Guideline 2016, VESI Installation Supply Connection Test & Procedures 2016, VESI Tasks for the Application of Safe Approach Distance – Special, any order (including Orders in Council G17, G33 and G36 and Special Gazette No. S 31 published in the Victoria Government Gazette on Wednesday 31 January 2024), or other instrument applying from time to time in Victorian to the electricity market, any order or certification of the ESC, WorkSafe or other government or regulatory body have jurisdiction over the electricity industry or the subject matter of the Agreement, AS2467 – Maintenance of Electrical Switchgear, AS/NZS3000:2007 – Australian/New Zealand Wiring Rules, AS/NZS61000 – Electromagnetic Compatibility, AS4777 – Grid Connection of Energy Systems via Inverters, AS/ANZS 5033:2012 – Installation of Photovoltaic (PV) Arrays, AS/NZS3760 – In-Service Safety Inspection and Testing of Electrical Equipment, Standard IEEE 2030.5 - Common Smart Inverter Profile Australia, SA HB 218:2023 Handbook, any guidelines (including the Clean Energy Council (CEC) webpage - Solar Accredited Section – Compliance and Standards and guidelines issued by WorkSafe) and any other *Law*, statute, regulation, proclamation, order in council, direction, tariff, guideline or standard which can be enforced by *Law* or by a regulatory authority applicable to the electricity industry or to the subject matter of the Agreement, Jemena internal guidelines (including AMI Electricity Meter Installation, Configuration & Commissioning (ELE PR 1501), Customer Installation Defect Management Procedure (ELE PR 1408), Work Instruction / Meter Installation –fixing screws (ELE WI 1522), Jemena Electricity Network Asbestos Management Plan (JEN PL 3001), Jemena Electricity Network Environmental Management Plan (JEN PL 0061), Testing of Connections and Energisation of Customer Supplies (ELE PR 0023), Jemena Sub-Contractor Engagement Guide for Works on Jemena Electricity Network (ELE GU 0015), any other requirements we may advise you of from time to time and includes any amendment to, or replacement of, such instruments from time to time.

**Service Installation Rules**—means the Victorian Services and Installation Rules with which all *connections* or proposed *connections* to Jemena’s *distribution system* must comply with as a condition of acquiring and maintaining an electricity supply.

**Site information**—means the site details provided in *your application* about the *supply address*.

**Supply address**—means a single premise located at an address and identified in the *application*.

**Standard connection service**—means a connection service (other than a *basic connection service*, *micro embedded generator basic connection service* or *negotiated connection service*) for a particular class (or sub-class) of *connection applicant* for which a *model standing offer* has been approved by the AER.

**Utility Server** —means *our* Information Technology infrastructure that communicates with *your* Micro embedded generator.

**You and your**—means a *retail customer* identified in the *application*.

## SCHEDULE 1 – DESCRIPTION OF JEMENA’S MICRO EMBEDDED GENERATOR BASIC CONNECTION SERVICES

### Micro embedded generator basic connection services – new connections

Category	Service description
New connection involving a micro embedded generator	<p>Establish a new <i>connection</i> involving the establishment of a permanent or temporary <i>connection</i> (either single or three-phase) with a total capacity of less than 100 Amps per phase that is either:</p> <p>a) A physical <i>connection</i> between an agreed <i>connection</i> point at the <i>supply address</i> and <i>our distribution system</i> that comprises an overhead single span service cable from an existing pole where the length of the service cable does not exceed 45 metres in total and does not exceed 20 metres over <i>your</i> property at the <i>supply address</i>, or</p> <p>b) A physical <i>connection</i> between the <i>supply address</i> and <i>our distribution system</i> via an underground electricity cable where the <i>connection</i> point is in an existing service pit located at <i>your</i> property boundary at the <i>supply address</i>,</p> <p>where such <i>connection</i> involves the installation of a <i>micro embedded generator</i> at the <i>supply address</i>.</p>

### Micro embedded generator basic connection services – existing connections

Category	Service description
Addition of a micro embedded generator to an existing connection	Alter an existing meter installation as a result of installation of a new <i>micro embedded generator</i> being installed at the <i>supply address</i> .

### Micro embedded generator basic connection services – connection alterations

Category	Service description
Alteration to existing connection (where a micro embedded generator is already installed).	<p>Alter an existing <i>connection</i> which may involve any of the following:</p> <p>a) A <i>connection</i> upgrade from single phase to three-phase supply of less than 100 Amps</p> <p>b) A <i>connection</i> upgrade of the service fuse of less than 100 Amps</p> <p>c) Relocation of existing premises <i>connection</i> assets, or</p> <p>d) Alteration of a <i>micro embedded generator</i> where the <i>maximum generating capacity</i> is less than or equal to 10 kVA per phase (or 30 kVA per three-phase) and an <i>export limit</i> must not exceed 5 kVA (or 15 kVA per three-phase) unless otherwise agreed in writing,</p> <p>where such <i>connection</i> involves an existing <i>micro embedded generator</i> at the <i>supply address</i>.</p>

### Micro embedded generator basic connection services – Key Technical and Settings Requirements

Category	Requirement
Total inverter capacity	The maximum total inverter capacity of the <i>micro embedded generator</i> installed at the <i>supply address</i> must not exceed 10 kVA per phase (or 30 kVA per three-phase).
Maximum export with Emergency Backstop Enabled	The maximum export of the <i>micro embedded generator</i> installed at the <i>supply address</i> must not exceed 5 kVA per phase (or 15 kVA per three-phase), measured at the <i>connection point</i> .

Category	Requirement																						
Maximum export for Exempt Unit	The maximum export of the <i>micro embedded generator</i> installed at the <i>supply address</i> must not exceed <i>low static export limit</i> , (as amended from time to time by the <i>Micro Embedded Generator Emergency Backstop Procedures</i> ) measured at the <i>connection point</i> .																						
Maximum export under loss of internet connectivity	The maximum export of the <i>micro embedded generator</i> installed at the <i>supply address</i> must not exceed <i>low static export limit</i> , (as amended from time to time by the <i>Micro Embedded Generator Emergency Backstop Procedures</i> ) measured at the <i>connection point</i> .																						
DER Technical Standards	<p>The inverter must comply with or meet the technical and functional requirements of AS/NZS 4777.2, as in force at the date of installation.</p> <p>For the avoidance of doubt, the <i>micro embedded generator</i> must be compliant with the <i>DER Technical Standards</i>.</p> <p>The inverter shall be set to Australia A settings for operational modes and multiple mode inverter, and protective functions.</p>																						
Voltage response modes	The inverter shall be set to Australia A settings as per clauses 3.3.2 and 3.4.3 of AS/NZS 4777.2.																						
Volt-Watt Response	<p>The volt-watt response default set-point values for all inverters must be set at:</p> <table border="1"> <thead> <tr> <th>Region</th> <th>Default value</th> <th>V<sub>W1</sub></th> <th>V<sub>W2</sub></th> </tr> </thead> <tbody> <tr> <td rowspan="2">Australia A</td> <td>Voltage</td> <td>253 V</td> <td>260 V</td> </tr> <tr> <td>Inverter maximum active power output level (P) % of S<sub>rated</sub></td> <td>100 %</td> <td>20 %</td> </tr> </tbody> </table> <p>Source: AS4777.2:2020, Table 3.6</p> <p>The inverter's volt-watt response set-point values for all multiple mode inverters with energy storage when charging must be set at:</p> <table border="1"> <thead> <tr> <th>Region</th> <th>Default value</th> <th>V<sub>W1-ch</sub></th> <th>V<sub>W2-ch</sub></th> </tr> </thead> <tbody> <tr> <td rowspan="2">Australia A</td> <td>Voltage</td> <td>207 V</td> <td>215 V</td> </tr> <tr> <td>P<sub>charge</sub> / P<sub>rated-ch</sub></td> <td>20 %</td> <td>100 %</td> </tr> </tbody> </table> <p>Note 1: P<sub>charge</sub> refers to power input level through the grid-interactive port.</p> <p>Note 2: P<sub>rated-ch</sub> refers to the rated active power input through the grid-interactive port used for charging the energy storage.</p> <p>Source: AS4777.2:2020, Table 3.8</p>	Region	Default value	V <sub>W1</sub>	V <sub>W2</sub>	Australia A	Voltage	253 V	260 V	Inverter maximum active power output level (P) % of S <sub>rated</sub>	100 %	20 %	Region	Default value	V <sub>W1-ch</sub>	V <sub>W2-ch</sub>	Australia A	Voltage	207 V	215 V	P <sub>charge</sub> / P <sub>rated-ch</sub>	20 %	100 %
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Phase unbalance	A multi-phase inverter energy system shall have a balanced output with respect to its rating with a tolerance of no greater than 5 kVA unbalance between any phases as per clause 2.3 of AS/NZS 4777.1.																				
Active anti-islanding protection	The active anti-islanding protection system shall operate the automatic disconnection device within 2 seconds of disruption to the power system from the distribution system.																				
Voltage and frequency limits (passive anti-islanding protection)	The inverter shall be set to Australia A settings as per clause 4.4 of AS/NZS 4777.2.																				
Passive anti-islanding voltage limits	The inverter shall be enabled with passive anti-islanding voltage limit values (Australia A settings) as set out below.																				
	<table border="1"> <thead> <tr> <th>Protective function</th> <th>Protective function limit</th> <th>Trip delay time</th> <th>Maximum disconnection time</th> </tr> </thead> <tbody> <tr> <td>Under-voltage 2 (<math>V_{&lt;&lt;}</math>)</td> <td>70 V</td> <td>1 s</td> <td>2 s</td> </tr> <tr> <td>Under-voltage 1 (<math>V_{&lt;}</math>)</td> <td>180 V</td> <td>10 s</td> <td>11 s</td> </tr> <tr> <td>Over-voltage 1 (<math>V_{&gt;}</math>)</td> <td>265 V</td> <td>1 s</td> <td>2 s</td> </tr> <tr> <td>Over-voltage 2 (<math>V_{&gt;&gt;}</math>)</td> <td>275 V</td> <td>-</td> <td>0.2 s</td> </tr> </tbody> </table>	Protective function	Protective function limit	Trip delay time	Maximum disconnection time	Under-voltage 2 ( $V_{<<}$ )	70 V	1 s	2 s	Under-voltage 1 ( $V_{<}$ )	180 V	10 s	11 s	Over-voltage 1 ( $V_{>}$ )	265 V	1 s	2 s	Over-voltage 2 ( $V_{>>}$ )	275 V	-	0.2 s
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Source: AS4777.2:2020, Table 4.2																					
Sustained operation for voltage variations	The inverter shall operate the automatic disconnection device within 3 seconds when the average voltage for a 10-minute period exceeds 258 V ( $V_{nom-max}$ ).																				
Sustained operation for frequency variations	<p>The inverter shall be capable of supplying rated power between 45 Hz and 52 Hz.</p> <p>Where the inverter is a multiple mode inverter connecting an energy storage system, it shall be capable of charging the energy storage from the grid-interactive port between 49.5 Hz and 55 Hz.</p> <p>The inverter shall maintain continuous operation for frequency variations within the limits specified in Table 4.4 and respond as defined in Table 4.5 of AS/NZS 4777.2:2020, and</p>																				

Category	Requirement									
	shall be configured with Australia A settings nominated in Tables 4.4 and 4.5 of AS/NZS 4777.2:2020.									
Voltage phase angle shift withstand	<p>The inverter shall remain in continuous operation for a single-phase voltage angle shift within a voltage cycle of at least 60 electrical degrees. In addition, the three-phase inverter shall remain in continuous operation for a voltage phase angle shift within a voltage cycle, in the positive-sequence, of at least 20 electrical degrees, as shown in the table below.</p> <table border="1"> <thead> <tr> <th></th> <th>Single-phase disturbance</th> <th>Three-phase disturbance</th> </tr> </thead> <tbody> <tr> <td>Single-phase inverter</td> <td>60°</td> <td>-</td> </tr> <tr> <td>Three-phase inverter</td> <td>60°</td> <td>20°</td> </tr> </tbody> </table> <p>Source: AS4777.2:2020, Table 4.9</p>		Single-phase disturbance	Three-phase disturbance	Single-phase inverter	60°	-	Three-phase inverter	60°	20°
	Single-phase disturbance	Three-phase disturbance								
Single-phase inverter	60°	-								
Three-phase inverter	60°	20°								
Rate of change of frequency	The inverter shall maintain continuous operation for frequency excursions with a rate of change of frequency (ROCOF) that do not exceed $\pm 4.0$ Hz/s for a duration of 0.25 s.									