

Dated [insert date]

MANAGED CONNECTION AGREEMENT
NEW CUSTOMERS (DEMAND AND GENERATION)

ELECTRICITY NORTH WEST LIMITED

&

[INSERT CUSTOMER'S REGISTERED NAME]

THIS MANAGED CONNECTION AGREEMENT is made and shall come into effect on [insert here date of signature] ("Effective Date")

BETWEEN

Electricity North West Limited,

Company Number 2366949

whose Registered Office is at 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG

(the "**Company**")

AND

[Insert Customer's Registered Name],

Company Number [Insert Co Number]

whose Registered Office is at [Insert Customer's Registered address]

(the "**Customer**")

GENERAL PROVISIONS

1. Background and Structure

1.1 The Customer has agreed to participate in the Company's managed supply initiative, which aims to: (i) release previously untapped emergency network capacity for everyday use; (ii) enable savings by changing the way electricity is used; (iii) reduce infrastructure improvement costs being passed to customers; and (iv) deliver benefits to regions and the entire UK.

1.2 The Company is proposing a solution whereby the Customer's incoming supply is controlled by the Company without notice for the purpose of its demand response activities ("**Managed Supply**").

1.3 As part of Managed Supply, the Parties agree to the Connection of the Customer's Installation to the Company's Distribution System on the terms and conditions of this Managed Connection Agreement.

1.4 This Managed Connection Agreement consists of these General Provisions and the three additional parts: (i) Part A sets out the specific variations to Section 1 and Section 3 of the National Terms of Connection ("**Applicable NTC Sections**"); Part B sets out the additional terms that supplement the Applicable NTC Sections; and (iii) Part C sets out the Appendices.

1.5 Details of the Premises, the Connection Points, the technical characteristics of the Connection Points and other technical and operational matters are set out in Part C to this Managed Connection Agreement.

1.6 In consideration of the mutual rights and undertakings set out in this Managed Connection Agreement and of the monetary consideration set out in Part B, the Parties agree to the terms and conditions set out in this Managed Connection Agreement.

2. The Applicable NTC Sections, the Construction and Installation Agreement and Order of Precedence

2.1 Save as varied in Part A below, and subject to the order of precedence in Clause 2.5, the Applicable NTC Sections (as amended from time to time) shall apply in full as if they were expressly set out in this Managed Connection Agreement.

2.2 The Applicable NTC Sections (as are in force at the Effective Date) are included in Annex I to this Managed Connection Agreement and the Customer confirms that it has read, and fully understands, the Applicable NTC Sections. The full National Terms of Connection (as may be in force from time to time) are available in writing from the Energy Networks Association, 6th Floor, Dean Bradley House, 52 Horseferry Road, London SW1P 2SF, or from the website at www.connectionterms.co.uk.

2.3 The Parties agree that the construction and installation agreement (dated and executed by the Parties on or before the Effective Date) ("**Construction and Installation Agreement**") governs the matters set out in the Construction and Installation Agreement insofar as they relate to Managed Supply.

2.4 Unless explicitly set out to the contrary, capitalised terms used in this Managed Connection Agreement shall have the meanings given to them in the Applicable NTC Sections.

2.5 For the avoidance of doubt, in the case of conflict or ambiguity then the provisions of:

(a) the Construction and Installation Agreement shall take precedence over this Managed Connection Agreement and the Applicable NTC Sections (Clause 7 and Clause 8 in particular);

(b) this Managed Connection Agreement shall all take precedence over the Applicable NTC Sections;

(c) these General Provisions shall take precedence over Part A, Part B and Part C;

(d) Part A shall take precedence over Part B and Part C; and

(e) Part A and Part B shall take precedence over Part C.

3. Other

3.1 The Parties may agree variations to this Managed Connection Agreement, and such variations must be recorded in writing and signed by an authorised representative of each Party. Each Party shall negotiate in good faith the terms of any variation proposed by the other. If any variation has not been agreed within one (1) month of its being proposed, either Party may refer the matter to the Authority for resolution pursuant to section 23 of the Electricity Act 1989. The Parties shall give effect to any such determination, and shall enter into any agreement as shall be necessary to give effect to any such determination.

3.2 Clause 25 of the Applicable NTC Sections shall apply to this Managed Connection Agreement.

SIGNED by (signature)
for and on behalf of the **Company** (print name)
(job title)
(date).....

SIGNED by (signature)
for and on behalf of the **Customer** (print name).....
(job title).....
(date)

PART A – VARIATIONS TO THE APPLICABLE NTC SECTIONS

1. Introduction

- 1.1 This Part A records, in accordance with Clause 22.2 of the Applicable NTC Sections, the variations as set out in more detail in Clause 2 directly below.

2. Variations

- 2.1 The following definitions are inserted into Clause 1.1 of the Applicable NTC Sections (and, for the avoidance of doubt, shall apply to this entire Managed Connection Agreement):

"Construction and Installation Agreement" means the construction and installation agreement entered into by the Company and the Customer in relation to Managed Supply on [insert date];

"Interruption Point" means the control interface between the Company and the Customer at which Managed Supply can be controlled;

"Managed Connection Agreement" means the Managed connection agreement entered into by the Company and the Customer in relation to Managed Supply on [insert date];

"Managed Supply" means that the Customer's incoming supply is controlled by the Company at either the Connection Point or the Interruption Point without notice for the purpose of its demand response activities;

"Relevant Fault" means a fault that causes the loss of electrical current flow to part or all of the HV feeder circuits to which the Customer is directly connected;

"Standard Customer" means a customer of the Company (other than the Customer) that is receiving electrical current flow from the Company pursuant to a standard connection;

- 2.2 A global change is made to the Applicable NTC Sections whereby all references to the "Connection Point" are now altered to read "Connection Point and/or the Interruption Point".

- 2.3 The definition of "Agreement" is altered to read:

"Agreement" means the terms and conditions of Sections 1 and 3 of the National Terms of Connection, the Managed Connection Agreement and the Construction and Installation Agreement;

2.4 The definition of "De-energisation" is altered to read:

"De-energisation" means the deliberate movement of any switch or the removal of any fuse or the taking of any other step whereby no electrical current can flow between the Distribution System and the Customer's Installation at a Connection Point and/or the Interruption Point, or any other step undertaken for or on behalf of the Company occurring at or on the Customer's Installation, following a Relevant Fault, which causes a reduction or reduced current flow in order to disconnect any Connection Equipment (and **"De-energise(d)"** shall be construed accordingly);

2.5 The definition of "Re-energisation" is altered to read:

"Re-energisation" means the movement of any switch or the installation of any fuse or the taking of any other step whereby electrical current can flow between the Distribution System and the Customer's Installation at the Connection Point and/or the Interruption Point, including the taking of any other step whereby electrical current can flow between the Distribution System and the Customer's Installation at the Connection Point and/or the Interruption Point following an event of De-energisation (and **"Re-energised"** shall be construed accordingly);

2.6 Clause 5.5 of the Applicable NTC Sections is altered to read:

5.5 The Company may De-energise the Connection Point and/or the Interruption Point:

5.5.1 if it is necessary or reasonable for the Company to do so as part of a System Outage carried out in accordance with its statutory rights and obligations and Good Industry Practice;

5.5.2 in order to permit other persons to connect to the Distribution System;
and

5.5.3 if the Company considers it necessary or reasonable to conduct testing of Managed Supply,

in which case, the Company shall give the Customer such notice of the De-energisation as is required by law (and shall use its reasonable endeavours to provide as long a notice as is practicable)."

2.7 The first line of Clause 5.6 is altered to read, and the following shall be inserted into the Applicable NTC Sections to be a new Clause 5.6.1A of the Applicable NTC Sections (and for the avoidance of doubt Clauses 5.6.1 to 5.6.7 shall, subject to the global change made by Clause 2.2 of this Part A, remain unaltered):

"5.6 The Company may, at any time without the need to give prior notice to the Customer, De-energise the Connection Point and/or the Interruption Point if:

5.6.1A the Company decides to do so (in its sole discretion), following a Relevant Fault, in order to continue the electrical current flow from the Distribution System to Standard Customers;"

2.8 Clause 5.9 of the Applicable NTC Sections is altered to read:

"5.9 Where the Connection Point and/or the Interruption Point is De-energised otherwise than pursuant to Clause 5.2, the Company shall, subject to the terms of the Managed Connection Agreement, Re-energise the Connection Point and/or the Interruption Point as soon as the Company considers reasonable (in its sole discretion) after the circumstances leading to the De-energisation have ceased to exist."

2.9 The following Clause shall be inserted into the Applicable NTC Sections to be a new Clause 8.4 of the Applicable NTC Sections:

"8.4 The Customer shall allow the Company (at the Company's sole option), in accordance with the terms of the Construction and Installation Agreement and Appendices 2 and 3 of the Managed Connection Agreement, at any time during the term of this Agreement to enter the Property in order to install the Company's Equipment (or any part of it) and the Customer shall provide, or shall procure that a third party provides (as applicable), such assistance as may be reasonably requested by the Company from time to time in order to install the Company's Equipment with the costs of such assistance to be agreed in advance and to be payable by the Company."

2.10 Clause 15.2.4 of the Applicable NTC Sections is altered to read:

"15.2.4 where such incident or series of related incidents entitles the Customer to claim compensation from the Company under this Agreement and any other agreement (including any other connection agreement, the Managed Connection Agreement and/or the Construction and Installation Agreement), the Company's aggregate liability under this Agreement and all such other agreements in respect of that incident or series of related incidents shall not exceed one million pounds (£1,000,000), irrespective of whether the Customer has claimed under this Agreement and/or any such other agreement; and"

2.11 The following Clause shall be inserted into the Applicable NTC Sections to be a new Clause 15.10 of the Applicable NTC Sections:

"15.10 For the avoidance of doubt, any compensation paid by the Company to the Customer under any other agreement (including any other connection agreement, the Managed Connection Agreement and/or the Construction and Installation Agreement) shall count towards the liability cap set out in Clause 15.2.4 and any amount so paid shall be deducted from the available amount under the liability cap set out in Clause 15.2.4."

2.12 Clause 19.2 of the Applicable NTC Sections is deleted and the numbering and cross-references in the Applicable NTC Sections are amended accordingly.

2.13 Clause 19.5.2 of the Applicable NTC Sections is altered to read:

"19.5.2 the Customer shall allow the Company (at the Company's sole option) for a period of no less than three (3) months following the ending or termination of this Agreement to enter the Property in order to remove the Company's Equipment (or any part of it) and the Customer shall provide, or shall procure that a third party provides (as applicable), such assistance as may be reasonably requested by the Company from time to time in order to remove the Company's Equipment with the costs of such assistance to be agreed in advance and to be payable by the Company; and/or"

2.14 Clause 19.5.3 of the Applicable NTC Sections is deleted and the numbering and cross-references in the Applicable NTC Sections are amended accordingly.

2.15 In accordance with Clause 23.3 of the Applicable NTC Sections, the addresses for notices are:

(a) to the Company: for the attention of the:

Business Improvement Manager,
Customer Contracts and Supplier Liaison
Electricity North West Limited,
Hartington Road,
Preston, PR1 8AF

(b) to the Customer: for the attention of the:

[insert name and address]

**PART B – ADDITIONAL TERMS SUPPLEMENTING THE APPLICABLE NTC SECTIONS FOR
NEW CONNECTION DEMAND AND GENERATION CUSTOMERS**

1. Defined Terms

1.1 In this Part B and the following Part C, the following additional definitions apply:

"Activation Date" means any date, following the Effective Date, from when the Company is entitled to activate Managed Supply for the Customer;

"Commencement Date" has the meaning set out in paragraph 2.3 of Appendix 5 (if this Appendix 5 is applicable);

"Customer Premises" means any land, building, structure and/or electrical installation of the Customer to which this Managed Connection Agreement applies;

"Demand Side Response" means an intentional reduction in the Customer's load to enable the balancing of the load on the electricity network. Other types of demand side response contracts include, but are not limited to, Short Term Operating Reserve (STOR), frequency response and TRIAD;

"Managed Supply Quote" means the quote provided to the Customer by the Company prior to the Effective Date for the Company to participate in Managed Supply. The Managed Supply Quote for the Customer, in total, is set out in Appendix 4;

"RPI" means the average annual retail price index measure of inflation in the United Kingdom as published by the Office for National Statistics available at www.ons.gov.uk/ons/taxonomy/index.html?nscl=Retail+Prices+Index;

"Standard Connection" means a standard GSOP connection;

"Standard Connection Quote" means the quote provided to the Customer by the Company prior to the Effective Date for the Company to receive a Standard Connection. The Standard Connection Quote for the Customer, in total, is [insert number];

"Total Managed Capacity" means the total overall capacity of Managed Supply as set out in Appendix 1; and

"Trial Period" means a period of eighteen (18) months, commencing at 00.01am on 1 April 2013 and ending at 11.59pm on 30 September 2014.

2. Commencement, Term and Termination

- 2.1 This Managed Connection Agreement shall commence on the Effective Date and shall continue in full force and effect unless and until terminated in accordance with this Clause 2.
- 2.2 The Company shall commence Managed Supply from the Activation Date.
- 2.3 The Customer may terminate this Managed Connection Agreement at any time after the expiry of the Trial Period on providing no less than six (6) months prior written notice to the Company of its intention to terminate this Managed Connection Agreement.
- 2.4 The Company may terminate this Managed Connection Agreement at any time after the expiry of the Trial Period on providing no less than six (6) months prior written notice to the Customer of its intention to terminate this Managed Connection Agreement.
- 2.5 In the event that the Customer elects to terminate this Managed Connection Agreement in accordance with Clause 2.3:
- (a) on receipt of the notice of termination, the Company will evaluate the licensed electricity network through which electricity is conveyed to and from the Connection Points to determine whether any reinforcement is required to convert Managed Supply into a Standard Connection ("**Network Reinforcement**"); and
 - (b) any costs and charges for Network Reinforcement shall be paid by the Customer, but such charges shall not exceed the difference in Customer contributions between the Managed Supply Quote and the Standard Connection Quote and the Customer shall, at the Customer's option, be transferred by the Company onto a Standard Connection and the Standard Connection Quote (taking into account RPI) shall apply.
- 2.6 In the event that the Company elects to terminate this Managed Connection Agreement in accordance with Clause 2.4:
- (a) all costs and charges for Network Reinforcement shall be paid by the Company; and
 - (b) the Company shall transfer the Customer onto a Standard Connection and the Standard Connection Quote (taking into account increases in RPI) shall apply.

3. Payment

- 3.1 In consideration of the Customer participating in Managed Supply, the Company shall offer, and the Customer shall pay, the Managed Supply Quote in accordance with Clause 17 of the Applicable NTC Sections and Appendix 4 of this Managed Connection Agreement.

4. Change of Ownership, Conflicts and Restrictions

4.1 In the event that ownership or occupancy of the Customer Premises changes during the term of this Managed Connection Agreement from the Customer to a third party ("**Third Party Customer**"), the Customer shall use best endeavours to procure that:

- (a) such change of ownership does not impact this Managed Connection Agreement;
- (b) that the Managed Connection Agreement is novated by the Customer to the Third Party Customer on the same date that ownership or occupancy of the Customer Premises changes from the Customer to the Third Party Customer; and
- (c) that this Managed Connection Agreement remains in force in accordance with its terms for that Customer Premises and the Third Party Customer (together the "**Required Actions**").

4.2 In the event that the Required Actions do not occur for any reason whatsoever:

- (a) the Company shall be entitled (in its sole discretion) to De-energise and/or Disconnect the Connection Point and/or the Interruption Point; and
- (b) the Customer shall indemnify and keep indemnified the Company, its officers, employees and/or agents from and against all costs, losses, liabilities and/or damages that the Company, its officers, employees and/or agents may suffer or incur by reason of the Required Actions not occurring.

4.3 The Customer agrees that it shall not enter into any other Demand Side Response activities with third parties in relation to the Customer Premises without the prior written consent of the Company (such consent to be at the Company's sole discretion).

4.4 The Customer agrees that it shall not materially alter the Interruption Point (plus or minus 10% of the agreed load as defined in Appendix 1) without the prior written consent of the Company (such consent to be at the Company's sole discretion).

5. Liability

5.1 The Company's aggregate liability to the Customer under this Managed Connection Agreement in respect of any incident or series of related incidents entitling the Customer to claim compensation from the Company under this Managed Connection Agreement shall not exceed one hundred percent (100%) of the charges paid or payable by the Customer to the Company pursuant to this Managed Connection Agreement. For the avoidance of doubt, any amounts paid by the Company to the Customer pursuant to either the Construction and Installation Agreement or the Applicable NTC Sections in relation to the same incident or series of related incidents that also entitle the Customer

to claim compensation from the Company under this Managed Connection Agreement shall count towards the liability cap in this Clause 5.1 and in no circumstances shall the Customer be entitled to recover under more than one of this Managed Connection Agreement, the Construction and Installation Agreement or the Applicable NTC Sections for the same incident or series of related incidents in the event that the incident or series of related incidents entitle the Customer to claim compensation under more than one of this Managed Connection Agreement, the Construction and Installation Agreement or the Applicable NTC Sections.

**PART C – APPENDICES FOR NEW CONNECTION DEMAND
AND GENERATION CUSTOMERS**

Appendix 1 – Customer Contract Variables

1.	Maximum Import / Export Capacity as per standard connection agreement	kVA
2.	Total Managed Capacity	kVA

Appendix 2 – Operating Conditions

The Parties agree that the following operating conditions shall apply:

1. The Company may De-energise the Customer's electrical current flow at all times without restriction.
2. Subject always to Clause 20 of the Applicable NTC Sections, following a Relevant Fault where the Customer's electrical current flow is De-energised, the Company shall Re-energise the Customer's electrical current flow no later than eight (8) hours after electrical current flow has been fully restored to Standard Customers.
3. The Company shall have full control at all times of the Company Equipment and, without limitation, the Company may open and close automation device used by the Customer without reference to the Customer. The automation device used by the Customer shall not be used as a means of isolation for work being undertaken on the electrical current flow of the Customer, unless such work is being undertaken by the Company or unless the Company has given its prior written consent to such work.

Appendix 3 – Site Ownership and Responsibility

[Insert Site Schematic diagram]

Appendix 4 – Price and Payment

Total Managed Supply Quote

[insert]

Price

- (a) The Managed Supply Quote shall remain valid for acceptance by the Customer for one hundred and eighty (180) days from the date of the Managed Supply Quote and shall then lapse.
- (b) The Managed Supply Quote is for the execution of the Works. In the event that the Customer's application is a request to make use of all or part of spare capacity or fault level headroom funded by the Company in the five (5) years prior to the Effective Date, the Managed Supply Quote may include an appropriate proportion of the original cost of such reinforcement assets. In the event that a connection is requested within a development area or regeneration zone, and the Company believes that it forms part of a larger project to be developed within five (5) years of the Effective Date, the Company may build infrastructure to facilitate connections in that zone or area. The cost for the provision of reinforcement may be apportioned between the Customer and subsequent connection requesters. If, as a result of such apportionment the Managed Supply Quote payable by the Customer is reduced, the Company shall pay such amount to the Customer within thirty (30) days of such reduction being identified by the Company.

Payment

- (a) Unless otherwise agreed in writing, payment of the Managed Supply Quote will be required in advance of the Company commencing the Works.
- (b) Without prejudice to paragraph (a) directly above, the Company reserves the right (in its sole discretion) to submit invoices at any time for any other amounts due under this Managed Connection Agreement.
- (c) If there is a variation to the Managed Supply Quote (pursuant to this Managed Connection Agreement), or any other charges become payable after the Works have commenced, the Company will be entitled to invoice the Customer for such sums immediately.
- (d) If, as a result of any variation to the Works pursuant to this Managed Connection Agreement, the Managed Supply Quote is reduced the Company shall make a payment of a sum equal to the reduction in the Managed Supply Quote within third (30) days of the date of such variation being agreed.

- (e) The Company reserves the right to submit invoices in respect of Materials not held on the Customer Premises.
- (f) If the Customer fails to make payment by the final date for payment then the Company shall be entitled to suspend provision of the Works until such time as payment is made.
- (g) All payments shall be made by the Customer in full, without any deductions for retention, set off or any other deductions of whatever nature.

ANNEX I – APPLICABLE NTC TERMS

FOR GENERATION CUSTOMERS ONLY – APPENDIX 5, 6 AND 7

APPENDIX 5

GENERAL PARTICULARS OF THE CONNECTION

- 1 Except as set out in paragraph 2 below, the characteristics of the connection(s) shall be as follows:

1.1 characteristics of supply:

1.1.1 number of phases: Three

1.1.2 current: Alternating current

1.1.3 voltage: [] kV \pm 6% or 400/230 volts +10%/-6% [delete as appropriate]

1.1.4 frequency: 50 Hertz \pm 1%

1.2 Connection Point(s): either

1.2.1 where connection is provided from the Company's final cut-out fuse, isolator, switch, metering switch fuse or metering circuit breaker, unless otherwise stated in this Managed Connection Agreement, the Connection Points are the outgoing terminals of the Company's final cut-out fuse, isolator, switch, metering switch fuse or metering circuit breaker, or

1.2.2 where the Company's electric lines connect directly to a Customer's intake isolator, switch, metering switch fuse or metering circuit breaker, unless otherwise stated in this Managed Connection Agreement the Connection Points are the incoming terminals of the Customer's intake isolator, switch, metering switch fuse or metering circuit breaker, and, for the avoidance of doubt, the Connection Points may be remote from the Customer's Installation where third party electric lines and/or electric plant provide the intermediate electrical connection from

the Company's Distribution System to the Customer's Installation.

1.2.3 use of system tariff type: "Rates published in relevant charging statement"

2 Details of Premises:

2.1 Address: *[SITE ADDRESS HERE]*

2.2

2.2.1 Import MPAN(s) : *[IMPORT MPANS HERE]*

2.2.2 Export MPAN(s) : *[EXPORT MPANS HERE]*

2.3 Commencement Date : the date of energisation of the MPANs

2.4 Capacity Details

2.4.1 Maximum Import Capacity : [] kVA

2.4.2 First date for Reduction of Maximum Import Capacity:
12 months after the Commencement Date

2.4.3 Maximum Export Capacity : [] kVA

2.4.4 First date for Reduction of Maximum Export Capacity:
12 months after the Commencement Date

2.5 Generator Details

[Include number of gen sets, rating in kVA or kW and fuel e.g. wind, hydro, landfill gas]

APPENDIX 6

TECHNICAL & OPERATING CONDITIONS

For the purposes of this Managed Connection Agreement, the following technical and operating conditions shall apply with respect to the operation of the Customer's Plant or Apparatus in parallel with the Company's Distribution System:

1. The compatibility of the means of connecting with earth that part of the Customer's Installation directly connected with the Company's Distribution System shall be in accordance with ER G59/2.
2. The following records of plant maintenance and failure shall be made and kept by the Customer:
 - (a) Routine maintenance, plant failure
 - (b) Routine protection testing and maintenance, in accordance with the requirements of G59/2.
3. The following means of connection and disconnection are to be employed (manual, automatic and emergency):
 - (a) Manual - for routine operations
 - (b) Automatic - for fault disconnection and planned connections.
 - (c) Emergency - by protection in accordance with G59/2 protection and emergency trip button.
4. The Customer shall take the following precautions to ensure continuance of safe conditions if any neutral point connected with earth in any Apparatus operated by it at high voltage becomes disconnected from earth: Protection in accordance with Engineering Recommendation G59/2.
5. The Customer shall at all times ensure that it does not operate its Plant or Apparatus in such a way so as to introduce or promote a level of harmonics or voltage fluctuations in the Company's Distribution System which results in damage, loss or inconvenience to the Company or any customer of the Company.
6. The Customer agrees to operate the Plant or Apparatus at all times without undue or improper interference with the supply to other customers of the Company and in the event of such interference to disconnect its Plant or Apparatus from the Distribution System at the request of the Company without delay.
7. The Customer shall indemnify the Company and its customers against any loss, damage or injury arising from the operation of the Customer's Plant or Apparatus, except to the extent that such loss, damage or injury has been caused by any material breach, wilful default, negligence or breach of statutory duty of the Company.

8. Whilst the Customer is operating its Plant or Apparatus in parallel with the Company's Distribution network, the Customer shall:
 - (a) Operate its system in accordance with the appropriate "Statutory Requirements", which for these purposes shall mean the Electricity Safety, Quality and Continuity Regulations 2002, the Electricity at Work Regulations 1989, the Health and Safety at Work Act 1974 and any regulations and codes of practice made thereunder, the Electricity Act 1989 and the Distribution Code.
 - (b) Comply with such of the Company's relevant operating rules and procedures as have been communicated to it and are relevant to it;
 - (c) Establish and operate rules and procedures governing the safe operation and maintenance of its electrical system and the means of connecting that system to the Company's Distribution System;
 - (d) Ensure that all persons carrying out operations on any part of its electrical lines are authorised persons and competent to carry out such operations;
 - (e) Ensure that there are adequate and reliable means of communication with the Company;
 - (f) Inform the Company of any condition, occurrence or incident which could affect the safety of the Company's personnel or the maintenance of its lines or apparatus and shall make and keep records of such information, and when it was communicated, and by, and to whom;
 - (g) Designate persons with authority to act and communicate on its behalf and inform the Company of the names of the persons so designated and where they may be reached;
 - (h) Arrange for the attendance at site of a person with the authority to operate its equipment in an emergency within one hour and keep appropriate records of such operation and of the nature of the emergency;
 - (i) Ensure that, in respect of each generation set on the Premises, provide for a manually operated means of disconnection; and that the settings, if any, on any automatic means of disconnection at any part of the Customer's Plant shall not be altered without the express agreement of the Company;
 - (j) Ensure that the electric lines under its control are capable of withstanding the prospective fault current associated with each generation set on the Premises;
 - (k) Take all reasonable precautions to limit the occurrence and effects of circulating currents in respect of the neutral points connected with earth of any interconnected electricity network;
 - (l) Inform the Company of any condition of particular incident, which could affect the safe operation, or maintenance of any Plant or Apparatus which forms part of the Company's Distribution System.
9. The Customer will not connect any additional (power factor correction) capacitors to its system without prior notification to the Company and the re-setting of the protection at the Premises.
10. Fault Level Control:

Prior to synchronising any of the Customer's Plant, the Customer must contact the

Company (via its control engineer) to ensure that arrangements are in place for Fault Level control. Other operating arrangements may be applied by the control engineer depending on the requirements of the Company's Distribution System.

11. Operational Contacts:

Control Engineers/ Customers Authorised Persons	Mon/Fri 08.30/17.00		Weekends & Out of hours	
	Telephone Number	Fax Number	Telephone Number	Fax Number
Control/Operations				
Control Engineer	0161 247 0025 0161 247 0166	0161 247 0107	0161 247 0024 0161 247 0166	0161 247 0107
The Customer	[Tel No]		[Tel No]	
Maintenance				
Operational Planning Engineer	0161 247 0010 0161 247 0012 0161 247 0017 0161 247 0944 0161 247 0958	0161 247 0066	0161 247 0010 0161 247 0012 0161 247 0017 0161 247 0944 0161 247 0958	0161 247 0066
The Customer	[Tel No]		[Tel No]	

Circuit State Certificate (CSC): will be used for operations at the control interface.

12. G59/2 Protection will trip the Customer's circuit breaker

13. The G59/2 protection settings are as agreed between the Company and the Customer.

14. Generating Equipment:

List : No of Generators, rating, prime mover, intermittent/non-int

APPENDIX 7
SITE OWNERSHIP AND RESPONSIBILITY

1. **Division of Responsibility for Control Maintenance and Operation**

- (a) The control and ownership boundary is as follows:

[Description of the boundary equipment and ownership where detailed description will assist to clarify the SRS and schematic diagram. This may not always be necessary on simple connections]

See site layout ref: [XXXX] attached

- (b) A single line diagram of the supply arrangements at the interface between the Company and the Customer is shown below. The Plant ownership and operational control boundary is shown on the diagram.

See site schematic ref: [XXXX] attached

- (c) *[Any protection requirements, intertripping arrangements etc]*

2. **Compliance with the Electricity Supply Emergency Code**

- (a) In carrying out its duties under the Electricity Supply Emergency Code, the Company will at times of system emergency disconnect the supply to the Customer.
- (b) The Customer is contained in rota '*[Insert correct value]*' identified from the Company's Rota Disconnection Plan.

3. **Site Responsibility Schedule in accordance with the Distribution Code for Configuration type**

Item	APPARATUS, BUILDINGS & COMPOUNDS CIRCUIT/EQUIPMENT BUILDINGS COMPOUNDS	Owner	Operational Responsibility						Maintenance Responsibility	
			Control Eng.	Operations carried out by:		Control Engineer to be informed	Safety Documents Issued/ Cancelled	Prot'n Relay Settings	Apparatus/ Premises	Prot'n
				Open or Close	Isolation earthing					
1		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
2		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
3		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
4		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
5		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
6		C	ENWL+C	ENWL+C	ENWL+C	ENWL+C	ENWL+C	-	C	-
7		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
8		ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL	ENWL
9		C	-	-	-	-	-	-	C	-
10		C	ENWL	-	-	ENWL	ENWL	-	C	-
11		C	-	-	-	-	-	-	C	-

Notes: Boundary established on bolted connections between the customer cable sealing end and the Open air Busbars

Abbreviations:- ENWL = Electricity North West Ltd. C = Customer = IDNO. PROTN = Protection (e.g. fuses and relays).