

SP MANWEB PLC

Use of System Charging Statement

INDICATIVE NOTICE

Effective from 1st April 2014

This statement is in a form to be approved by the Gas and Electricity Markets Authority.

Version Control

Version	Date	Description of version and any changes made
1	24 Dec 12	Indicative Charges

A change-marked version of this statement can be provided upon request.

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1. Introduction

- 1.1. This statement has been prepared in order to discharge SP Manweb plc's obligation under standard licence condition 14 of its electricity distribution licence. It contains information about our charges¹ and charging principles for use of our distribution system. It also contains information about our line loss factors (LLFs).
- 1.2. The charges in this statement are calculated using the common distribution charging methodology (CDCM) for low-voltage and high-voltage (LV and HV) Designated Properties and the extra-high voltage distribution charging methodology (EDCM) for Designated Extra-high voltage (EHV) Properties for metering point administration numbers/metering system identifiers (MPANs/MSIDs) connected to our designated distribution services area. The application of charges to a premises can usually be referenced using the line loss factor class (LLFC) contained in the charge tables.
- 1.3. All charges in this statement are shown exclusive of VAT.
- 1.4. The annexes that form part of this statement are also provided for additional convenience in spreadsheet format. This spreadsheet also contains supplementary information used for charging purposes but which is not required to be provided in accordance with standard licence condition 14. This spreadsheet can be downloaded from

http://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.asp
- 1.5. If you have any questions about this statement please contact us at this address:

SP Energy Networks, Regulation and Commercial
Prenton Way
Birkenhead, Merseyside
CH43 3ET
Email: commercial@scottishpower.com
Telephone: 0151 609 2335

¹ Charges can be positive or negative.

- 1.6. All enquiries regarding connection agreements and changes to maximum capacities should be addressed to:

SP Energy Networks

Ochil House

10 Technology Avenue

Hamilton International Technology Park

Blantyre

G72 0HT

E-mail: capacityq@scottishpower.com

Telephone: 0141 614 1605

- 1.7. For all other queries please contact our general enquiries telephone number: 0845 273 4444.

2. Charge application and definitions

Supercustomer billing and payment

- 2.1. Supercustomer billing and payment applies to metering points registered as non-half-hourly (NHH) metered or NHH unmetered. The Supercustomer approach makes use of aggregated data obtained from the 'Supercustomer Distribution Use of System (DUoS) Report'.
- 2.2. Invoices are calculated on a periodic basis and sent to each user for whom SP Manweb is transporting electricity through its distribution system. Invoices are reconciled, over a period of approximately 14 months, to ensure the cash positions of users and SP Manweb are adjusted to reflect later and more accurate consumption figures.
- 2.3. The charges are applied on the basis of the LLFC assigned to a Meter Point Administration Number (MPAN), and the units consumed within the time periods specified in this statement. These time periods may not necessarily be the same as those indicated by the time pattern regimes (TPRs) assigned to the standard settlement configuration (SSC) – specific to distribution network operators (DNOs). All LLFCs are assigned at the sole discretion of SP Manweb. Invoices take account of previous settlement runs and include VAT.

Supercustomer charges

- 2.4. Supercustomer charges are generally billed through the following components:
 - a fixed charge - pence/MPAN/day, there will only be one fixed charge applied to each MPAN; and
 - unit charges, pence/kWh, more than one unit charge may be applied.
- 2.5. Users who wish to supply electricity to customers whose metering system is measurement class A or B, and settled on profile classes (PC) 1 through to 8 will be allocated the relevant charge structure set out in Annex 1.
- 2.6. Measurement class A charges apply to exit/entry points where NHH metering is used for settlement.

- 2.7. Measurement class B charges apply to exit points deemed to be suitable as unmetered supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001² and where operated in accordance with BSCP520³.
- 2.8. Identification of the appropriate charge can be made by cross-reference to the LLFC.
- 2.9. Valid settlement profile class/standard settlement configuration/meter timeswitch code (PC/SSC/MTC) combinations for these LLFCs are detailed in market domain data (MDD).
- 2.10. Where an MPAN has an invalid settlement combination, the 'Domestic Unrestricted' fixed and unit charge will be applied as default until the invalid combination is corrected. Where there are multiple standard settlement configuration/time pattern regime (SSC/TPR) combinations, the default 'Domestic Unrestricted' fixed and unit charge will be applied for each invalid TPR combination.
- 2.11. The time periods for the charge rates are as specified by the SSC. To determine the appropriate charge rate for each SSC/TPR a lookup table is provided in the spread sheet that accompanies this statement⁴.
- 2.12. The 'Domestic Off-Peak' and 'Small Non-Domestic Off-Peak' charges are supplementary to either an unrestricted or a two-rate charge.

Site-specific billing and payment

- 2.13. Site-specific billing and payment applies to metering points settled as half-hourly (HH) metered. The site-specific billing and payment approach to use of system (UoS) billing makes use of HH metering data received through settlement.
- 2.14. Invoices are calculated on a periodic basis and sent to each user for whom SP Manweb is transporting electricity through its distribution system. Where an account is based on estimated data, the account shall be subject to any adjustment that may be necessary following the receipt of actual data from the user.

² The Electricity (Unmetered Supply) Regulations 2001 available from <http://www.legislation.gov.uk/ukxi/2001/3263/made>

³ Balancing and Settlement Code Procedures on unmetered supplies are available from <http://www.elexon.co.uk/pages/bscps.aspx>

⁴ [SP Manweb plc] - Schedule of charges and other tables

- 2.15. The charges are applied on the basis of the LLFCs assigned to the MPAN (or the MSID for central volume allocation (CVA) sites), and the units consumed within the time periods specified in this statement.
- 2.16. All LLFCs are assigned at the sole discretion of SP Manweb. Where an incorrectly applied LLFC is identified, SP Manweb may at its sole discretion apply the correct LLFC and/or charges.

Site-specific billed charges

- 2.17. Site-specific billed charges may include the following components:
- a fixed charge pence/MPAN/day or pence/MSID/day;
 - a capacity charge, pence/kVA/day, for maximum import capacity (MIC) and/or maximum export capacity (MEC);
 - an excess capacity charge, pence/kVA/day, if a site exceeds its MIC and/or MEC;
 - unit charges, pence/kWh, more than one unit charge may be applied; and
 - an excess reactive power charge, pence/kVArh, for each unit in excess of the reactive charge threshold.
- 2.18. Users who wish to supply electricity to customers whose metering system is measurement class C, D or E or CVA will be allocated the relevant charge structure dependent upon the voltage and location of the metering point.
- 2.19. Measurement class C, E or CVA charges apply to exit/entry points where HH metering, or an equivalent meter, is used for settlement purposes.
- 2.20. Measurement class D charges apply to exit points deemed to be suitable as unmetered supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001⁵ and where operated in accordance with BSCP520⁶.
- 2.21. Fixed charges are generally levied on a pence per MPAN or pence per MSID basis.
- 2.22. LV and HV Designated Properties will be charged in accordance with the CDCM and allocated the relevant charge structure set out in Annex 1.
- 2.23. Designated EHV Properties will be charged in accordance with the EDCM and allocated the relevant charge structure set out in Annex 2.

⁵ The Electricity (Unmetered Supply) Regulations 2001 available from <http://www.legislation.gov.uk/uksi/2001/3263/made>

⁶ Balancing and Settlement Code Procedures on unmetered supplies and available from <http://www.elexon.co.uk/pages/bscps.aspx>

- 2.24. Where LV and HV Designated Properties or Designated EHV Properties have more than one point of connection (as identified in the connection agreement) then separate charges will be applied to each point of connection.

Time periods for half-hourly metered properties

- 2.25. The time periods for the application of unit charges to LV and HV Designated Properties that are HH metered are detailed in Annex 1. SP Manweb has not issued a notice to change the time bands

- 2.26. The time periods for the application of unit charges to Designated EHV Properties are detailed in Annex 2. SP Manweb has not issued a notice to change the time bands.

Time periods for half-hourly unmetered properties

- 2.27. The time periods for the application of unit charges to connections that are pseudo HH metered are detailed in Annex 1. SP Manweb has not issued a notice to change the time bands.

Application of capacity charges

- 2.28. The following sections explain the application of capacity charges and exceeded capacity charges.

Chargeable capacity

- 2.29. The chargeable capacity is, for each billing period, the MIC/MEC, as detailed below.

- 2.30. The MIC/MEC will be agreed with SP Manweb at the time of connection or pursuant to a later change in requirements. Following such an agreement (be it at the time of connection or later) no reduction in MIC/MEC will be allowed for a period of one year. In the absence of an agreement the chargeable capacity, save for error or omission, will be based on the last MIC and/or MEC previously agreed by the distributor for the relevant premises' connection. A customer can seek to agree or vary the MIC and/or MEC by contacting SP Manweb using the contact details in paragraph 1.6.

- 2.31. Reductions to the MIC/MEC may only be permitted once in a 12 month period and no retrospective changes will be allowed. Where MIC/MEC is reduced the new lower level will be agreed with reference to the level of the customer's maximum demand. It should be noted that, where a new lower level is agreed,

the original capacity may not be available in the future without the need for network reinforcement and associated charges.

Exceeded capacity

2.32. Where a customer takes additional unauthorised capacity over and above the MIC/MEC, the excess will be classed as exceeded capacity. The exceeded portion of the capacity will be charged at the excess capacity charge p/kVA/day rate, based on the difference between the MIC/MEC and the actual capacity used. This will be charged for the full duration of the month in which the breach occurs.

Demand exceeded capacity

$$\text{Demand exceeded capacity} = \max(2 \times \sqrt{AI^2 + \max(RI, RE)^2} - MIC, 0)$$

Where:

AI = Active Import (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

MIC = Maximum import capacity (kVA)

2.33. Only reactive import and reactive export values occurring at times of active import are used in the calculation. For sites which are importing and exporting in the same HH, i.e. where AI is not equal to zero and AE is not equal to zero, use zero for RI and RE when calculating capacity taken.

2.34. This calculation is completed for every half hour and the maximum value from the billing period is applied.

Generation exceeded capacity

$$\text{Generation exceeded capacity} = \max(2 \times \sqrt{AE^2 + \max(RI, RE)^2} - MEC, 0)$$

Where:

AE = Active Export (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

MEC = Maximum export capacity (kVA)

- 2.35. Only reactive import and reactive export values occurring at times of active export are used in the calculation. For sites which are importing and exporting in the same HH, i.e. where AI is not equal to zero and AE is not equal to zero, use zero for RI and RE when calculating capacity taken.
- 2.36. This calculation is completed for every half hour and the maximum value from the billing period is applied.

Standby capacity for additional security on site

- 2.37. Where standby capacity charges are applied, the charge will be set at the same rate as that applied to normal MIC.

Minimum capacity levels

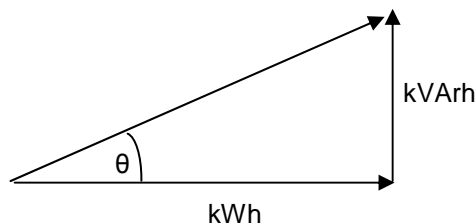
- 2.38. There is no minimum capacity threshold.

Application of charges for excess reactive power

- 2.39. When an individual HH metered MPAN's reactive power (measured in kVArh) at LV and HV Designated Properties exceeds 33% of total active power (measured in kWh), excess reactive power charges will apply. This threshold is equivalent to an average power factor of 0.95 during the period. Any reactive units in excess of the 33% threshold are charged at the rate appropriate to the particular charge.

- 2.40. Power factor is calculated as follows:

Cos θ = Power factor



- 2.41. The chargeable reactive power is calculated as follows:

Demand chargeable reactive power

Where:

$$D = \max \left(\frac{kVArh}{m} - \left(\frac{m}{a} (RI, RE) - \left(\sqrt{\left(\frac{1}{0.95^2} - 1 \right)} \times AI \right) \right), 0 \right)$$

AI = Active import (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

2.42. Only reactive import and reactive export values occurring at times of active import are used in the calculation. For sites which are importing and exporting in the same HH i.e. where AI is not equal to zero and AE is not equal to zero, no calculation for that HH is made and the result for that HH would be zero.

2.43. The square root calculation will be to two decimal places.

2.44. This calculation is completed for every half hour and the values summated over the billing period.

Generation chargeable reactive power

$$\text{Generation chargeable kVArh} = \max \left(\max(RI, RE) - \left(\sqrt{\left(\frac{1}{0.95^2} - 1 \right)} \times AE \right), 0 \right)$$

Where:

AE = Active export (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

2.45. Only reactive import and reactive export values occurring at times of active export are used in the calculation. For sites which are importing and exporting in the same HH i.e. where AI is not equal to zero and AE is not equal to zero, no calculation for that HH is made and the result for that HH would be zero.

2.46. The square root calculation will be to two decimal places.

2.47. This calculation is completed for every half hour and the values summated over the billing period.

Generation charges for pre-2005 Designated EHV Properties

2.48. Designated EHV Properties that were connected to the distribution system under a pre-2005 connection charging policy are eligible for exemption from generation use of system charges unless one of the following criteria has been met:

- 25 years have passed since their first energisation/connection date (ie Designated EHV Properties with energisation/connection agreements dated prior to 1st April 2005, and for which 25 years has passed since their first energisation/connection date will receive generation use of system charges from the next charging year following the expiry of their 25 years exemption, (starting 1st April), or
- the person responsible for the Designated EHV Property has provided notice to SP Manweb that they wish to opt in to generation use of system charges.

If a notice to opt in has been provided there will be no further opportunity to opt out.

- 2.49. Furthermore, if an exempt customer makes an alteration to its export requirement then the customer may be eligible to be charged for the additional capacity required or energy imported or exported. For example, where a generator increases its export capacity the incremental increase in export capacity will attract UoS charges as other non-exempt generators.

Provision of billing data

- 2.50. Where HH metering data is required for UoS charging and this is not provided through settlement processes, such metering data shall be provided by the user of the system to SP Manweb in respect of each calendar month within five working days of the end of that calendar month. The metering data shall identify the amount consumed and/or produced in each half hour of each day and shall separately identify active and reactive import and export. Metering data provided to SP Manweb shall be consistent with that received through the metering equipment installed. Metering data shall be provided in an electronic format specified by SP Manweb from time to time and, in the absence of such specification, metering data shall be provided in a comma-separated text file in the format of D0036 MRA data flow (as agreed with the SP Manweb). The data shall be emailed to <mailto:uosadministrators2@scottishpower.com>.
- 2.51. SP Manweb requires details of reactive power imported or exported to be provided for all measurement class C (mandatory HH metered) sites and for measurement class E (elective HH metered sites). It is also required for CVA sites and exempt distribution network boundaries with difference metering. SP Manweb reserves the right to levy a charge on users who fail to provide such

reactive data. In order to estimate missing reactive data, a power factor of 0.95 lag will be applied to the active consumption in any half hour.

Out of area use of system charges

2.52. SP Manweb plc does not operate networks outside its distribution service area.

Licensed distribution network operator charges

2.53. Licenced distribution network operator (LDNO) charges are applied to LDNOs who operate embedded networks within SP Manweb distribution services area.

2.54. The charge structure for LV and HV Designated Properties embedded in networks operated by LDNOs will mirror the structure of the 'all-the-way' charge and is dependent upon the voltage of connection of each embedded network to the host DNO's network. The same charge elements will apply as those that match the LDNO's end customer charges. The relevant charge structures are set out in Annex 4.

2.55. Where an MPAN has an invalid settlement combination, the 'LDNO LV: Domestic Unrestricted' fixed and unit charges will be applied as default until the invalid combination is corrected. Where there are multiple SSC/TPR combinations, the default 'LDNO LV: Domestic Unrestricted' fixed and unit charges will be applied for each invalid TPR combination.

2.56. The charge structure for Designated EHV Properties embedded in networks operated by LDNOs will be calculated individually using the EDCM. The relevant charge structures are set out in Annex 2.

2.57. For nested networks the relevant charging principles set out in DCUSA Schedule 21 will apply.

Third party access from exempt distribution networks

2.58. Where one of our MPANs (provide details of MPAN prefix relevant to SP Manweb's licence) is embedded within an exempt distribution network connected to one of SP Manweb's distribution systems, and a dispensation for difference metering is in place for settlement purposes, we will continue to charge the supplier of the boundary MPAN of the connection, based on gross measurement for UoS. No charges will be levied directly to the customer or supplier of the embedded MPAN(s) connected within the exempt distribution network.

2.59. SP Manweb requires that gross metered data for the boundary of the connection is provided to them. Until a new flow is introduced for the sending of such gross data, gross metered data shall:

- be sent using the D0036 or D0275 MRA data flow; and
- the D0036 or D0275 shall contain the metering reference specified by SP Manweb in place of the boundary settlements MPAN.

2.60. For the avoidance of doubt the reduced difference metered measurement data for the boundary connection that is to enter settlements should continue to be sent using the settlements MPAN.

2.61. Where the data collector is unable to send the D0036 or D0275 MRA data flow due to system constraints, gross metered data shall;

- be provided in a spreadsheet/text file in the format of the D0036 or D0275 MRA data flow;
- the spreadsheet/text file shall contain the metering reference specified by SP Manweb plc in place of the settlements MPAN;
- the spreadsheet/text file shall be emailed to uos_administrators@scottishpower.com;
- the spreadsheet/text filename shall be formed of the metering reference specified by SP Manweb followed by a hyphen and followed by a timestamp in the format YYYYMMDDHHMMSS and followed by “.txt”; and
- the title of the email should contain the phrase “gross data for difference metered private network”.

3. Schedule of charges for use of the distribution system

- 3.1. Tables listing the charges for the distribution of electricity for UoS are published in the annexes to this document.
- 3.2. These charges are also listed in a spreadsheet which is published with this statement and can be downloaded from http://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.asp.
- 3.3. Annex 1 contains charges to LV and HV Designated Properties.
- 3.4. Annex 2 contains the charges to Designated EHV Properties and charges applied to LDNOs with Designated EHV Properties embedded in networks within SP Manweb's area.
- 3.5. Annex 3 contains details of any preserved and additional charges that are valid at this time. Preserved charges are mapped to an appropriate charge and are closed to new customers.
- 3.6. Annex 4 contains the charges applied to LDNOs in respect of LV and HV Designated Properties embedded in networks within SP Manweb distribution services area.

4. Schedule of line loss factors

Role of line loss factors in the supply of electricity

- 4.1. Electricity entering or exiting the DNOs' networks is adjusted to take account of energy that is lost⁷ as it is distributed through the network.
- 4.2. This adjustment is made to ensure that energy bought or sold by a user, from/to a customer, accounts for energy lost as part of distributing energy to and from the customer's premises.
- 4.3. DNOs are responsible for calculating the Line Loss Factors (LLFs) and providing these factors to Elexon. Elexon manage the Balancing and Settlement Code (BSC). The code covers the governance and rules for the balancing and settlement arrangements.
- 4.4. Annex 5 provides the LLFs which must be used to adjust the metering system volumes to take account of losses on the distribution network.

Calculation of line loss factors

- 4.5. LLFs are calculated in accordance with BSC Procedure (BSCP) 128, which determines the principles that DNOs must comply with when calculating LLFs.
- 4.6. LLFs are calculated using either a generic method or a site-specific method. The generic method is used for sites connected at LV or HV and the site-specific method is used for sites connected at EHV or where a request for site-specific LLFs has been agreed. Generic LLFs will be applied to all new EHV sites until sufficient data is available for a site-specific calculation.
- 4.7. The Elexon website (<http://www.elexon.co.uk/reference/technical-operations/losses/>) contains more information on LLFs. This page also has links to BSC Procedure (BSCP) 128 and to our LLF methodology.

Line loss factor time periods

- 4.8. LLFs are calculated for a set number of time periods during the year and are detailed in Annex 5.

⁷ Energy can be lost for technical and non-technical reasons and losses normally occur by heat dissipation through power flowing in conductors and transformers. Losses can also reduce if a customer's action reduces power flowing in the distribution network. This might happen when a customer generates electricity and the produced energy is consumed locally.

Line loss factor tables

- 4.9. When using the LLF tables in Annex 5 reference should be made to the LLFC allocated to the MPAN to find the appropriate LLF.
- 4.10. The Elexon portal website, <https://www.elexonportal.co.uk>, contains the LLFs in standard industry data format (D0265). A user guide with details on registering and using the portal can be downloaded from www.elexonportal.co.uk/userguide.

5. Notes for Designated EHV Properties

EDCM network group costs

5.1. A table is provided in the accompanying spreadsheet which shows the unscaled FCP network group costs used to calculate the current EDCM charges. This spreadsheet SPM – Schedule of Charges and Other Tables.xlsx is available to download from

http://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.asp

5.2. These are illustrative of the modelled costs at the time that this statement was published. A new connection will result in changes to current network utilisations, which will then form the basis of future prices: the charge determined in this statement will not necessarily be the charge in subsequent years because of the interaction between new and existing network connections and any other changes made to SP Manweb's distribution system which may affect charges.

Charges for new Designated EHV Properties

5.3. Charges for any new Designated EHV Properties calculated after publication of the current statement will be published in an addendum to that statement as and when necessary.

5.4. The form of the addendum is detailed in Annex 6 to this statement.

5.5. The addendum will be sent to relevant DCUSA parties and published as a revised 'Schedule of charges and other tables' spreadsheet on our website. The addendum will include charge information that under enduring circumstances would be found in Annex 2 and line loss factors that would normally be found in Annex 5.

5.6. The new Designated EHV Properties charges will be added to Annex 2 in the next full statement released.

Charges for amended Designated EHV Properties

5.7. Where an existing Designated EHV Property is modified and energised in the charging year, SP Manweb may revise its EDCM charges for the modified Designated EHV Property. If revised charges are appropriate, an addendum will be sent to relevant DCUSA parties and published as a revised 'Schedule of charges and other table' spreadsheet on

http://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.asp. The modified Designated EHV property charges will be added to Annex 2 in the next full statement released.

Demand-side management

- 5.8. For those premises where use of system is charged under the EDCM, some customers may be able to benefit from entering into a Demand Side Management ("DSM") Agreement with SP Manweb.
- 5.9. The DSM Agreement will be based upon a contractual commitment by the customer to materially reduce their MIC in certain time periods (which shall be determined by SP Manweb) in return for reduced Use of System Charges. Where a DSM Agreement is entered into, the applicable demand capacity costs will be based on the MIC minus the capacity subject to interruption.
- 5.10. EDCM customers wishing further details and/or wishing to enquire whether they can take advantage of a DSM Agreement should contact in the first instance:

The Distribution Policy Team
Regulation & Commercial
SP Manweb Plc
Ochil House
10 Technology Avenue
Hamilton International Technology Park
Blantyne
G72 0HT
Email: commercial@sppowersystem.com

6. Electricity distribution rebates

- 6.1. SP Manweb has neither given nor announced any distribution use of system rebates to users in the 12 months preceding the date of publication of this revision of the statement.

7. Accounting and administration services

- 7.1. None.

8. Charges for electrical plant provided ancillary to the grant of use of system

- 8.1. None.

9. Glossary of terms

9.1. The following definitions, which can extend to grammatical variations and cognate expressions, are included to aid understanding:

Term	Definition
All-the-way charge	A tariff applicable to an end user rather than an LDNO.
Balancing and Settlement Code (BSC)	The BSC contains the governance arrangements for electricity balancing and settlement in Great Britain. An overview document is available from www.elexon.co.uk/ELEXON Documents/trading_arrangements.pdf .
CDCM	The common distribution charging methodology used for calculating charges to Designated Properties as required by standard licence condition 13A of the electricity distribution licence.
Central volume allocation (CVA)	As defined in the BSC.
Customer	A person to whom a user proposes to supply, or for the time being supplies, electricity through an exit point, or from whom, a user or any relevant exempt supplier, is entitled to recover charges, compensation or an account of profits in respect of electricity supplied through an exit point; Or A person from whom a user purchases, or proposes to purchase, electricity, at an entry point (who may from time to time be supplied with electricity as a customer of that user (or another electricity supplier) through an exit point).
Designated Properties	As defined in standard condition 13A of the electricity distribution licence.
Distributed generator	A generator directly connected or embedded within the distribution system.
Distribution Connection and Use of System Agreement (DCUSA)	The DCUSA is a multi-party contract between the licensed electricity distributors, suppliers, generators and Offshore Transmission Owners (OFTOs) of Great Britain. It is a requirement that all licensed electricity distributors and suppliers become parties to the DCUSA.
Distribution network operator (DNO)	An electricity distributor who operates one of the 14 distribution services areas and in whose electricity distribution licence the requirements of Section B of the standard conditions of that licence have effect.
Distribution services area	The area specified by the authority within which each DNO must provide specified distribution services.

Term	Definition
Distribution system	<p>The system consisting (wholly or mainly) of:</p> <ul style="list-style-type: none"> • electric lines owned or operated by an authorised distributor that is used for the distribution of electricity from grid supply points or generation sets or other entry points to the points of delivery to customers or users; or • any transmission licensee in its capacity as operator of that licensee's transmission system or the Great Britain (GB) transmission system <p>and includes any remote transmission assets (owned by a transmission licensee within England and Wales) that are operated by that authorised distributor and any electrical plant, electricity meters, and metering equipment owned or operated by it in connection with the distribution of electricity, but does not include any part of the GB transmission system.</p>
Designated EHV Properties	As defined in standard condition 13B of the electricity distribution licence.
EDCM	The EHV distribution charging methodology used for calculating charges to Designated EHV Properties as required by standard licence condition 13B of the electricity distribution licence.
Electricity distribution licence	The electricity distribution licence granted or treated as granted pursuant to section 6(1) of the Electricity Act 1989.
Electricity distributor	Any person who is authorised by an electricity distribution licence to distribute electricity.
Embedded LDNO	This refers to an LDNO operating a distribution network which is embedded within another distribution network.
Embedded network	An electricity distribution system operated by an LDNO and embedded within another distribution network.
Entry point	A boundary point at which electricity is exported onto a distribution system from a connected installation or from another distribution system, not forming part of the total system (boundary point and total system having the meaning given to those terms in the BSC).
Exit point	A point of connection at which a supply of electricity may flow from the distribution system to the customer's installation or user's installation or the distribution system of another person.
Extra-high voltage (EHV)	Nominal voltages of 22kV and above.
Gas and Electricity Markets Authority (GEMA) (the Authority)	As established by the Utilities Act 2000.

Term	Definition
Grid supply point (GSP)	A metered connection between the National Grid Electricity Transmission (NGET) system and the licensee's distribution system at which electricity flows to or from the distribution system.
GSP group	A distinct electrical system that is supplied from one or more GSPs for which total supply into the GSP group can be determined for each half hour.
High voltage (HV)	Nominal voltages of at least 1kV and less than 22kV.
Host DNO	A distribution network operator that is responsible for a distribution services area as defined in standard conditions of the electricity distribution licence.
Intermediate LDNO	An embedded licenced distribution network operator that is responsible for a distribution system between a host DNO and another embedded distribution system.
Invalid settlement combination	A settlement combination that is not recognised as a valid combination in market domain data - see https://www.elexonportal.co.uk/MDDVIEWER .
kVA	Kilovolt amperes.
kVArh	Kilovolt ampere reactive hour.
kW	Kilowatt.
kWh	Kilowatt hour (equivalent to one "unit" of electricity).
Licensed distribution network operator (LDNO)	The holder of a licence in respect of distribution activities in Great Britain.
Line loss factor (LLF)	The factor that is used in settlement to adjust the metering system volumes to take account of losses on the distribution system.
Line loss factor class (LLFC)	An identifier assigned to an SVA metering system which is used to assign the LLF and use of system charges.
Low voltage (LV)	Nominal voltages below 1kV.
Market domain data (MDD)	Market domain data is a central repository of reference data used by all users involved in settlement. It is essential to the operation of SVA trading arrangements.
Maximum export capacity (MEC)	The maximum export capacity of apparent power expressed in kVA that has been agreed can flow through the entry point to the distribution system from the customer's installation as specified in the connection agreement.

Term	Definition
Maximum import capacity (MIC)	The maximum import capacity of apparent power expressed in kVA that has been agreed can flow through the exit point from the distribution system to the customer's installation as specified in the connection agreement.
Measurement class	<p>A classification of metering systems which indicates how consumption is measured, i.e.:</p> <ul style="list-style-type: none"> • non-half-hourly metering equipment (equivalent to measurement class A); • non-half-hourly unmetered supplies (equivalent to measurement class B); • half-hourly metering equipment at or above 100kW premises (equivalent to measurement class C); • half-hourly unmetered supplies (equivalent to measurement class D); and • half-hourly metering equipment below 100kw premises (equivalent to measurement class E).
Metering point	The point at which electricity that is exported to or imported from the licensee's distribution system is measured, is deemed to be measured, or is intended to be measured and which is registered pursuant to the provisions of the MRA. For the purposes of this statement, GSPs are not 'metering points'.
Metering system	Particular commissioned metering equipment installed for the purposes of measuring the quantities of exports and/or imports at the exit point or entry point.
Metering point administration number (MPAN)	A number relating to a metering point under the MRA.
MRA	The Master Registration Agreement.
Meter timeswitch code (MTC)	MTCs are three digit codes allowing suppliers to identify the metering installed in customers' premises. They indicate whether the meter is single or multi-rate, pre-payment or credit, or whether it is 'related' to another meter.
Nested LDNO	A distribution system operator that is responsible for a nested network.
Nested networks	This refers to a situation where there is more than one level of embedded network and therefore nested distribution systems between LDNOs (e.g. host DNO→intermediate LDNO→nested LDNO→customer).
Ofgem	Office of Gas and Electricity Markets – Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.
Profile class (PC)	A categorisation applied to NHH MPANs and used in settlement to group customers with similar consumption patterns to enable the calculation of consumption profiles.

Term	Definition
Settlement	The determination and settlement of amounts payable in respect of charges (including reconciling charges) in accordance with the BSC.
Settlement class (SC)	The combination of profile class, line loss factor class, time pattern regime and standard settlement configuration, by supplier within a GSP group and used for settlement.
Standard settlement configuration (SSC)	A standard metering configuration relating to a specific combination of TPRs.
Supercustomer	The method of billing users for use of system on an aggregated basis, grouping together consumption and standing charges for all similar NHH metered customers.
Supercustomer DUoS Report	A report of profiled data by settlement class providing counts of MPANs and units consumed.
Supplier	An organisation with a supply license which can register itself as being responsible for electricity supplied to and/or exported from a metering point.
Supplier volume allocation (SVA)	As defined in the BSC.
Time pattern regime (TPR)	The pattern of switching behaviour through time that one or more meter registers follow.
Use of system charges	Charges applicable to demand and generation connections which are connected to and utilise the distribution network.
User	Someone that has a use of system agreement with the DNO e.g. a supplier, generator or other DNO.
Unmetered Supplies	Exit points deemed to be suitable as unmetered supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001 and where operated in accordance with BSCP520 ⁸ .

⁸ Balancing and Settlement Code Procedures are available from <http://www.elexon.co.uk/pages/bscps.aspx>

Annex 1 - Schedule of charges for use of the distribution system by LV and HV Designated Properties

SP Manweb - Effective from 1 April 2014 - Indicative LV and HV charges

Time Bands for Half Hourly Metered Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) All Year	16.30 - 19.30		
Monday to Friday (Including Bank Holidays) All Year		08.00 - 16.30 19.30 - 22.30	
Monday to Friday (Including Bank Holidays) All Year			00.00 - 08.00 22.30 - 00.00
Saturday and Sunday All Year		16.00 - 20.00	00.00 - 16.00 20.00 - 00.00
Notes	All the above times are in UK Clock time		

Time Bands for Half Hourly Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) June to August Inclusive		08.00 - 22.30	00.00 - 08.00 22.30 - 00.00
Monday to Friday (Including Bank Holidays) November to February Inclusive	16.30 - 19.30	08.00 - 16.30 19.30 - 22.30	00.00 - 08.00 22.30 - 00.00
Monday to Friday (Including Bank Holidays) March to May, and September to October, Inclusive		08.00 - 22.30	00.00 - 08.00 22.30 - 00.00
Saturday and Sunday		16.00 - 20.00	00.00 - 16.00 20.00 - 00.00
All other times			
Notes	All the above times are in UK Clock time		

DNOS paste value cells A15:K42 from CDCM 3701 into cells A14:J41	Open LLFCs	PCs	Unit rate 1 p/kWh (red/black)	Unit rate 2 p/kWh (amber/yellow)	Unit rate 3 p/kWh (green)	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess capacity charge p/kVA/day	Closed LLFCs
Domestic Unrestricted	101, 102	1	4.009			3.69				
Domestic Two Rate	103, 105, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 131, 132, 133, 134, 147, 148, 149, 150	2	4.736	0.481		3.69				145, 146
Domestic Off Peak (related MPAN)	104, 106, 130, 153, 155	2	0.451							135, 136, 137, 138, 140, 141,
Small Non Domestic Unrestricted	201, 202, 203, 209	3	3.389			4.70				207
Small Non Domestic Two Rate	205, 211, 231, 232	4	3.889	0.314		4.70				208, 210
Small Non Domestic Off Peak (related MPAN)	212	4	0.355							233, 234, 235, 236, 237
LV Medium Non-Domestic	401, 402	5-8	3.847	0.283		20.89				
LV Sub Medium Non-Domestic	403, 404	5-8	3.533	0.260		26.70				
HV Medium Non-Domestic		5-8	2.694	0.184		183.93				405
LV HH Metered	511, 591	0	18.222	1.247	0.252	18.31	2.40	0.743	2.40	501
LV Sub HH Metered	513, 592	0	16.521	0.897	0.224	6.46	4.97	0.598	4.97	503
HV HH Metered	515, 593	0	12.842	0.601	0.152	97.85	3.82	0.427	3.82	505
NHH UMS category A	900	8	1.980							904, 912, 913
NHH UMS category B	901	1	2.685							905
NHH UMS category C	902	1	4.652							906
NHH UMS category D	903	1	1.459							907
LV UMS (Pseudo HH Metered)	910	0	36.351	1.421	0.519					
LV Generation NHH	781, 782, 783, 784, 785	8	-1.175							
LV Sub Generation NHH	780	8	-1.058							
LV Generation Intermittent	786, 787	0	-1.175					0.349		
LV Generation Non-Intermittent	791, 795	0	-8.289	-0.913	-0.149			0.349		
LV Sub Generation Intermittent	788, 789	0	-1.058					0.327		
LV Sub Generation Non-Intermittent	792, 796	0	-7.574	-0.792	-0.137			0.327		
HV Generation Intermittent	770, 771	0	-0.685			71.45		0.248		
HV Generation Non-Intermittent	793, 797	0	-5.446	-0.384	-0.094	71.45		0.248		

Annex 2 - Schedule of charges for use of the distribution system by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users)

SP Manweb - Effective from 1 April 2014 - Indicative EDCM charges

Time Periods for Designated EHV Properties	
Time periods	Super Red Time Band
Monday to Friday (Including Bank Holidays) June to August Inclusive	
Monday to Friday (Including Bank Holidays) November to February Inclusive	16:30 - 19:30
Notes	All the above times are in UK Clock time

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Import Super Red unit rate (p/kWh)	Import fixed charge (p/day)	Import capacity rate (p/kVA/day)	Import exceeded capacity rate (p/kVA/day)	Export Super Red unit rate (p/kWh)	Export fixed charge (p/day)	Export capacity rate (p/kVA/day)	Export exceeded capacity rate (p/kVA/day)
		803 1300035361194		603	1300050649372	Shell Stanlow		19553.08	3.83	3.83				
		804 1300035352942				Jaguar & Land Rover	0.688	7473.77	8.00	8.00				
		805 1300035359423				Innospec		63335.00	7.44	7.44				
		806 1300051060972		606	1300051060981	Bridgewater Paper		127.93	3.10	3.10				
		807 1300035359752				General Motors		10093.92	4.15	4.15				
		808 1300035360066				TATA Steel		26691.79	7.49	7.49				
		809 1300035362480				Ureenco		0.00	4.40	4.40				
		810 1300051694818				Ineos Chlor Ltd (Lostock)	0.905	44045.66	3.40	3.40				
		812 1300035356130				Knauf Insulation	0.672	1177.91	8.71	8.71				
		813 1300035359585				Air Products		1163.41	14.00	14.00				
		814 1300035359619				Shell Chemicals		5361.82	12.17	12.17				
		815 1300035359780				GrowHow		6044.31	8.05	8.05				
		816 1300053536398				Castle Cement		1652.09	4.18	4.18				
		817 1300035361992				Kronospan	1.153	4322.94	13.88	14.37				
		819 1300035365082		619	1300051136210	Albion Inorganic	1.743	255.71	1.81	1.81				
		821 1300035367967		621	1300050649336	BHP		10536.25	2.65	2.65				
		822 1300060251601				Hole House Farm		6615.51	5.03	5.03				
		824 1300054940674		604	1300054940683	Port of Liverpool		19.19	2.64	2.64		1151.32	0.68	0.68
		827 1300052785147				Kimberley Clark		369.46	12.17	12.17				
		828 1300060075390		628	1300060075405	Amegni		5.52	3.75	3.75		430.60	0.68	0.68
		829 1300035400611		629	1300038004507	Salt Union		1476.89	2.62	2.62				
		831 1300035437700				Ineos Chlor Ltd (Percival Lane)		288.78	7.55	7.55				
		833 1300035361803		663	1300035361803	Toyota		1963.74	5.39	5.39				
		834 1300051028551				Warringham Gas Storage		3851.32	7.18	7.18				
		835 1300050648875		635	1300050931602	Arpley Landfill	1.574	15.22	3.09	3.09				
		836 1300035360800				Amcor	1.546	1395.01	8.14	8.14				
		838 1300052122840		638	1300052122859	Cemmaes C		4.87	2.86	2.86				
		839 1300051822667		639	1300051821478	PG Strand Gate		2347.49	5.09	5.09				
		840 1300052545267		640	1300052545276	Moel Maelogan (A)		11.31	2.64	2.64				
		841 1300052545285		641	1300052545294	Moel Maelogan (B)		5.69	2.99	2.99				
		842 1300053022082		642	1300053022091	North Hoyle		278.13	1.65	1.65				
		843 1300053466350		643	1300053466369	Cefn Croyes (3)		2472.96	2.59	2.59				
		844 1300053466378		644	1300053466387	Cefn Croyes (4)		2477.09	2.58	2.58				
		845 1300053834682		645	1300053834691	Tir Mostyn		494.82	2.58	2.58				
		846 1300053862801		646	1300053862796	Mynydd Clogau		12.85	3.73	3.73				
		847 1300053962107		647	1300053962116	Granox	0.745	180.33	5.84	5.84				
		848		651		Tai Moelion		26.98	3.11	3.11				
		849 1300054624390		649	1300054624405	Braich Ddu		30.31	2.70	2.70	-0.421	809.47	0.68	0.68

850			652		BWSC A/S (Eddie Stobart)	0.732	122.24	2.88	2.88	-1.006	2981.49	0.68	0.68
851	1300054933348		611	1300054914140	Moel Maelogan 2		4.53	2.55	2.55		265.12	0.68	0.68
852	1300053310848				Trafalgar Dock	0.326	1319.07	5.15	5.15				
853			653		CEW	0.728	193.26	3.17	3.17	-1.359	4041.50	0.68	0.68
854	1300060138720		654	1300060138739	Wern Ddu		35.41	2.52	2.52		1717.56	0.68	0.68
856	1300060102617		656	1300060102608	Rhyl Flats		115.45	2.74	2.74		10621.38	0.68	0.68
857					Seaforth Liverpool Dock 2		46831.71	1.16	1.16				
865	1300035438944		665	1300038004491	Cemmaes B		7.48	3.05	3.05				
866	1300037983737		666	1300037983746	Penrhyddlan	1.075	10.48	4.69	4.69				
867	1300037983755		667	1300037983764	Llidartywaun	1.173	9.78	4.55	4.55				
868	1300035368906		668	1300050649381	Rhyd y Groes		602.89	2.72	2.72				
869	1300030308295		669	1300050649070	Llangwyrion		18.80	3.44	3.44				
870	1300060308295				Storenergy (Lostock)		1024.86	10.68	10.68				
871	1300037983996		671	1300037984002	Rheidol		56.11	2.31	2.31				
872	1300037983913		672	1300037983922	Carno B		137.45	3.71	3.71				
873	1300037983899		673	1300037983904	Carno A		48.78	3.85	3.85				
874	1300035438572		674	1300050649390	Trysglwyn		20.22	2.98	2.98				
875	1300050649406		675	1300050649415	Llanabo		10.04	3.00	3.00				
877	1300053593216				Quinn Glass		2076.99	12.11	12.11				
878	1300054122122				Liverpool Int Bus Park	0.325	2935.79	3.74	3.74				
887	1300035619768		687	1300050652905	Mynydd Gorduu		129.45	3.21	3.21				
898	1300051694552		698	1300051694827	PG Winnington		775.79	2.54	3.67				
899	1300060484140				Airbus UK Ltd (33kV)		4927.75	12.93	12.93				
921	1300050654248		691	1300060208518	Network Rail (Crewe)		6345.05	5.77	5.77		1586.26	0.68	0.68
922	1300050654257		682	1300060269895	Network Rail (Speke)		2315.45	8.12	8.12	-0.648	771.82	0.68	0.68
923	1300050649994				Network Rail (Bankhall)	0.307	1005.95	7.11	7.11				
924	1300050653040				Network Rail (Bromborough)		643.77	10.46	10.46				
925	1300050654220				Network Rail (Shore Road)		3757.04	8.12	8.12				
MSID	MSID 7120		MSID	MSID 7120	Shotton Paper		31836.58	2.02	2.02				
MSID	MSID 7203		MSID	MSID 7203	Burbo Bank		5253.97						
MSID	MSID 0030				Risley			15.22	15.22				
MSID	MSID 0031/32				Bold			3.27	3.27				
MSID	MSID 4532/33		MSID	MSID 4532/33	Dolgarog PS			5.96	5.96				
MSID	MSID 5025		MSID	MSID 5025	Rheidol PS			2.24	2.24	-1.124	0.00	0.68	0.68
			MSID	MSID 6015	Maentwrog PS			1.57	1.57	-0.162	0.00	0.68	0.68
			MSID	MSID 4054	Cwm Dylli PS			2.51	2.51	-0.162	0.00	0.68	0.68
300	1300035348714				Royal London Insurance		146.03	2.18	2.18				
301	1300035349160				Amerdale Ltd		146.03	5.17	5.17				
302	1300035349461				United Biscuits (UK) Ltd		146.03	7.87	7.87				
303	1300035350156				Brocklebank Dock	1.181	146.03	9.58	9.58				
304	1300035351949				Brunwood Limited	0.322	146.03	5.39	5.39				
305	1300035351958				Lpool Daily Post & Echo	0.354	146.03	6.10	6.10				
306	1300035352214				University Of Liverpool	0.321	146.03	5.60	5.60				
307	1300035352232				Norwepp Ltd	0.861	146.03	2.21	2.21				
308	1300035353050				New Capital Dev Ltd	0.324	146.03	9.95	9.95				
309	1300035354346				Chiron Vaccines Ltd	0.683	146.03	2.45	2.45				
310	1300035355465				Assidoman Print & Pack	2.877	146.03	10.46	10.46				
311	1300035355526				Brunwood Ltd (Warrington)	2.637	146.03	5.37	5.37				
313	1300035359460				H H Robinson	1.558	146.03	2.23	2.23				
314	1300035359567				SCA Limited	1.393	146.03	8.26	8.26				
315	1300035359725				UU Water Plc - Sutton Hall	1.369	146.03	9.08	9.08				

316	1300035360386			Dairy Crest Ltd	2.334	146.03	6.28	6.28				
317	1300035360632			Tetra Pak Manufacturing Uk Ltd	2.281	146.03	6.78	6.78				
318	1300035360952			Hydro Aluminium Deeside Ltd	2.389	146.03	6.51	6.51				
319	1300035362719			British Polythene Industries Plc	0.678	146.03	8.29	8.29				
320	1300035363002			Stanton Land And Marine Ltd	2.162	789.91	3.90	3.90				
321	1300035364619			Bombardier UK Ltd	0.872	1287.74	7.70	7.70				
322	1300035364707	700	1300060416993	Bentley Motor Cars Ltd	0.853	154.62	6.05	6.05	64.43	0.68	0.68	
323	1300035366379			Tarmac Limited	0.000	73.02	4.69	4.69				
324	1300035369760			Texplan	2.972	146.03	11.64	11.64				
325	1300051555440			SCA		146.03	13.57	13.57				
326	1300052619849			Somerfield Plc	1.399	146.03	5.87	5.87				
327	1300035348644			Midland Bank		146.03	2.51	2.51				
328	1300035348662			Alliance & Leicester Plc		146.03	9.57	9.57				
329	1300035349035			Dairy Crest		146.03	5.24	5.24				
330	1300035349044			Yorkshire Copper Tube Ltd		1433.78	4.87	4.87				
331	1300035349114			Kodak Ltd		146.03	2.28	2.28				
332	1300035349220			Delphi Lockheed Auto Ltd		146.03	2.79	2.79				
333	1300035349346			Thyssen Krupp (Group)		146.03	6.47	6.47				
334	1300035349355			New Horizon Global Ltd		146.03	3.32	3.32				
335	1300035349639			Sealorh Commill		146.03	6.02	6.02				
336	1300035349745			King Sturge Ltd		146.03	4.70	4.70				
337	1300035350680			News International Plc		146.03	4.32	4.32				
338	1300035351248			Essex International Limited	0.899	146.03	3.33	3.33				
339	1300035351735			Elizabeth II Law Courts	0.322	146.03	3.43	3.43				
340	1300035351967			Downing Property Services Ltd	0.329	146.03	5.95	5.95				
341	1300035352739			Canada Dock	0.408	146.03	4.14	4.14				
343	1300035352970			Liverpool Airport	0.312	146.03	9.82	9.82				
344	1300035354179			HP Chemie Pelzer Uk Ltd	0.337	146.03	5.98	5.98				
345	1300035354986			Novelis Uk Ltd	2.806	146.03	9.79	9.79				
346	1300035355118			PQ Silicas UK Ltd	2.825	219.05	7.09	7.09				
347	1300035355136			Baronet Works	2.761	2150.67	10.25	10.25				
348	1300035355749			Unifrax Ltd	1.318	146.03	8.19	8.19				
349	1300035355837			Delta Metals	1.417	146.03	6.20	6.20				
350	1300035355970			M Baker Recycling Limited	1.466	146.03	4.62	4.62				
351	1300035356194			BOC Limited	1.466	146.03	11.52	11.52				
352	1300035356380			Daresbury Laboratory		146.03	5.94	5.94				
353	1300035356724			Gypsum		2721.52	9.81	9.81				
354	1300035356770			Dyson Group Plc	1.043	146.03	8.35	8.35				
356	1300035357009			Rockwood Additives Ltd	0.976	146.03	4.53	4.53				
357	1300035358795			Airbus Uk Ltd		146.03	1.72	1.72				
358	1300035359600			Greif Uk Ltd	1.077	146.03	10.70	10.70				
359	1300035359673			BP International Limited	1.117	146.03	4.94	4.94				
360	1300035359799			Shell UK Limited	1.254	146.03	6.29	6.29				
361	1300035359901			Owens Corning UK	0.000	146.03	12.54	12.54				
362	1300035360181			Cadbury Schweppes Plc	3.297	146.03	12.87	12.87				
363	1300035360580			Kelloggs Company Of GB Ltd	2.420	146.03	9.23	9.23				
364	1300035360679			Bryn Lane Properties Llp	2.292	789.91	1.89	1.89				
365	1300035360688			BICC Wrexham	2.520	146.03	9.35	9.35				
366	1300035361130			Bank	3.272	146.03	8.26	8.26				
367	1300035361812			Element Six Production Ltd		146.03	2.37	2.37				
368	1300035361983			Barry Callebaut (Uk) Ltd	3.519	146.03	9.18	9.18				
369	1300035362295			Caparo Steel Products Ltd	2.825	146.03	6.18	6.18				
370	1300035362700			Thermal Ceramics Ltd	1.464	146.03	3.54	3.54				
371	1300035362904			Egerton Dock	2.338	14251.03	0.00	0.00				
372	1300035362978			Shell UK	2.498	146.03	6.42	6.42				
373	1300035363067			Mobil Sasol		146.03	5.16	5.16				
374	1300035363191			Burtons Foods Ltd		146.03	4.89	4.89				
375	1300035363225			Unilever UK	0.669	146.03	3.97	3.97				
376	1300035363252			Champion Properties LLP		146.03	8.22	8.22				
377	1300035363883	719	1300060263839	Nestle UK Ltd	0.749	85.52	2.15	2.15	60.52	0.68	0.68	
378	1300035364060			A&P Falmouth Ltd	2.250	1433.78	5.96	5.96				

379	1300035364177			Barclays Bank Plc	1.953	146.03	10.43	10.43					
380	1300035364256			Harman Technology Limited	1.999	146.03	6.13	6.13					
381	1300035364432			Twyford's Bathrooms	2.475	146.03	5.26	5.26					
382	1300035364646			Morning Foods Limited	3.385	146.03	10.18	10.18					
383	1300035364822			Fisons	1.943	146.03	6.62	6.62					
384	1300035365161			N W F Ltd	3.442	146.03	14.59	14.59					
385	1300035365240			Linpac Wcb	2.049	146.03	9.87	9.87					
386	1300035365287			Britton Group Plc	2.072	146.03	14.53	14.53					
387	1300035366494			Synthite		146.03	13.64	13.64					
388	1300035366801			Nowar Plc	0.183	146.03	11.91	11.91					
389	1300035368232			Bangor Hospital (Health Sup)		146.03	7.56	7.56					
390	1300035351860			Copperas Hill (Royal Mail)	0.268	146.03	4.10	4.10					
391	1300035368400			Bourne Leisure Limited	0.173	146.03	8.52	8.52					
392	1300035368428			Rehau Ltd	0.163	146.03	9.78	9.78					
393	1300035370116			University Of Wales	1.153	146.03	21.85	21.85					
394	1300035618356			Smiths Group Plc		146.03	5.47	5.47					
395	1300038178922			Yardley Plastic		146.03	6.50	6.50					
397	1300050455959			Tulip International Ltd	0.730	146.03	4.61	4.61					
398	1300050482127			Unilever Research	0.685	146.03	5.60	5.60					
399	1300050628390	717	1300050867852	Sealorth		718.10	1.60	1.60					
450	1300050632704			Decoma-Merplas	0.743	146.03	9.26	9.26					
451	1300050781976			Sonae UK Limited		2867.55	1.75	1.75					
452	1300050955454			Gilbrook Dock		11853.53	0.00	0.00					
453	1300050977573			UU Water Plc - Woodside	2.313	1433.78	5.03	5.03					
454	1300050977670			UU Water Plc - Bromborough	0.685	1433.78	4.38	4.38					
455	1300051438963			S Norton & Co. Ltd	1.182	1433.78	1.83	1.83					
456	1300051517481			MOD - RAF Sealard		146.03	7.21	7.21					
457	1300051708346			Healthcare Distribution		146.03	6.23	6.23					
458	1300052182955			Aluminium Powder Company	0.439	146.03	17.35	17.35					
459	1300053398578			Chiron Vaccines	0.663	1433.78	3.81	3.81					
460	1300054917684			ESP	0.308	146.03	3.58	3.58					
461	1300060172544			Neptune (Mann Island)	0.309	1433.78	15.10	15.10					
462	1300035322620	710	1300051349870	L.A.H. Teaching Hospital	0.369	716.89	2.37	2.37					
463	1300035354123	711	1300052227204	UU Water Plc - Sandon Dock	1.171	1379.82	6.57	6.57	-0.629	275.96	0.68	0.68	
464	1300035355242	712	1300053163518	UU Water Plc Gateworth Sewage	2.561	117.29	4.36	4.36	-2.613	28.74	0.68	0.68	
465	1300035359770	713	1300050970114	UU Water Plc - Huntington	3.357	58.71	6.14	6.14					
466	1300035401331	714	1300052226920	UU Water Plc - Shell Green	1.048	810.40	6.25	6.25					
467	1300035353148	715	1300052368838	Eli Lilly & Co	0.816	1753.94	4.89	4.89					
468	1300035355794	703	1300050867791	Pilkington Glass - Greengate	1.357	902.75	3.19	3.19					
469	1300035355882	704	1300050867807	Pilkington Glass - Cowley Hill	1.366	698.51	2.93	2.93					
470	1300035355190	718	1300054580101	Iceland	2.742	138.73	15.14	15.14	-3.488	7.30	0.68	0.68	
471	1300035359813			Meadow Foods Ltd	3.251	146.03	5.65	5.65					
472	1300035362746			Wirral Hospital		146.03	7.44	7.44					
473	1300060172562			Conway & Denbighshire NHS Trust	1.467	146.03	11.18	11.18					
474	1300035438261			Morrisons (Dist Centre)	2.061	146.03	8.36	8.36					
475	1300060172562			Mersey Travel (Mann Island)	0.312	73.02	3.18	3.18					
476	1300050712379			Pilkington Glass HO	1.454	146.03	5.81	5.81					
477	1300051517515			Mod - Raf Valley	0.429	146.03	16.02	16.02					
478	1300051517747			Mod - Shawbury	2.868	73.02	21.64	21.64					
479	1300035365640			Crewe Station	3.363	146.03	9.19	9.19					
480	1300051747708			Merseyside PTA	1.128	146.03	5.34	5.34					
481	1300035356255			Mackamx Primary		73.02	5.25	5.25					
482	1300035352906			Whiston Hospital	0.982	146.03	8.82	8.82					
483	1300052598765	716	1300052598756	Maw Green 2	0.816	4.43	2.25	2.25					
484	1300035355999	702	1300050867755	Pilkington Glass - Watson Street	1.501	716.89	2.03	2.03					
486	1300060340420			BAE Radway		1998.92	1.46	1.46					
488				Unilever (Chester Gates)		1866.71	0.83	0.83					
489	1300060222169			Unilever (Georgia)	0.685	405.95	5.64	5.64					
487	1300035349480			Aintree Fazakerly Hospital	0.000	2721.51	3.58	3.58					

Annex 3 - Schedule of charges for use of the distribution system by preserved/additional LLF classes

SP Manweb - Effective from 1 April 2014 - Indicative LV and HV tariffs									
NHH preserved charges/additional LLFCs									
	Closed LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day			
Domestic Two Rate	145, 146	2	4.736	0.481		3.69			
Domestic Off Peak (related MPAN)	135, 136, 137, 138, 140, 141, 142, 143	2	0.451						
Small Non Domestic Unrestricted	207	3	3.389			4.70			
Small Non Domestic Two Rate	208, 210	4	3.889	0.314		4.70			
Small Non Domestic Off Peak (related MPAN)	233, 234, 235, 236, 237	4	0.355						
HV Medium Non-Domestic	405	5-8	2.694	0.184		183.93			
Notes:	<p>Unit time periods are as specified in the SSC.</p> <p>SP Manweb uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted Rates.</p> <p>The Domestic and Non-Domestic Off Peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.</p> <p>Preserved tariffs are only available to existing supplies, subject to certain conditions:</p> <p>a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff;</p> <p>b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored;</p> <p>c) Any additional load required to be supplied on the preserved tariff must be within the existing supply capacity.</p>								

HH preserved charges/additional LLFCs									
	Closed LLFCs	PCs	Unit rate 1 p/kWh (red/black)	Unit rate 2 p/kWh (amber/yellow)	Unit rate 3 p/kWh (green)	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge p/kVA
LV HH Metered	501		18.222	1.247	0.252	18.31	2.40	0.743	2.40
LV Sub HH Metered	503		16.521	0.897	0.224	6.46	4.97	0.598	4.97
HV HH Metered	505		12.842	0.601	0.152	97.85	3.82	0.427	3.82
Notes:	<p>Time periods</p> <p>The time periods for each unit rate where applicable area as follows:</p> <p>Unit charges in the red time band apply – between 16:30 to 19:30, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 08:00 to 16:30 and 19:30 to 22:30, Mon to Fri including Bank Holidays and 16:00 to 20:00 Sat and Sun.</p> <p>Unit charges in the green time band apply – between 00:00 to 08:00 and 22:30 to 00:00, Mon to Fri including Bank Holidays, and 00:00 to 16:00 and 20:00 to 00:00 Sat and Sun.</p> <p>All times are UK clock-time.</p> <p>Preserved tariffs are only available to existing supplies, subject to certain conditions:</p> <p>a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff;</p> <p>b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored;</p> <p>c) Any additional load required to be supplied on the preserved tariff must be within the existing supply capacity.</p>								

Annex 4 - Charges applied to LDNOs with LV and HV end-users

SP Manweb - Effective from 1 April 2014 - Indicative LDNO tariffs			
Time Bands for Half Hourly Metered Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) All Year	16.30 - 19.30		
Monday to Friday (Including Bank Holidays) All Year		08.00 - 16.30 19.30 - 22.30	
Monday to Friday (Including Bank Holidays) All Year			
Saturday and Sunday All Year		16.00 - 20.00	
Notes	All the above times are in UK Clock time		

Time Bands for Half Hourly Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) June to August Inclusive		07.00 - 11.00 14.00 - 23.00	00.00 - 08.00 22.30 - 00.00
Monday to Friday (Including Bank Holidays) November to February Inclusive	16.30 - 19.30	08.00 - 16.30 19.30 - 22.30	00.00 - 08.00 22.30 - 00.00
Monday to Friday (Including Bank Holidays) March to May, & September to October, Inclusive		08.00 - 22.30	00.00 - 08.00 22.30 - 00.00
Saturday and Sunday		16.00 - 20.00	00.00 - 16.00 20.00 - 00.00
All other times			
Notes	All the above times are in UK Clock time		

	Unique billing identifier	PCs	Unit rate 1 p/kWh (red/black)	Unit rate 2 p/kWh (amber/yellow)	Unit rate 3 p/kWh (green)	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess capacity charge p/kVA
LDNO LV: Domestic Unrestricted		1	2.669			2.46			
LDNO LV: Domestic Two Rate		2	3.153	0.320		2.46			
LDNO LV: Domestic Off Peak (related MPAN)		2	0.300						
LDNO LV: Small Non Domestic Unrestricted		3	2.256			3.13			
LDNO LV: Small Non Domestic Two Rate		4	2.589	0.209		3.13			
LDNO LV: Small Non Domestic Off Peak (related MPAN)		4	0.236						
LDNO LV: LV Medium Non-Domestic		5-8	2.561	0.188		13.91			
LDNO LV: LV HH Metered		0	12.130	0.830	0.168	12.19	1.60	0.495	1.60
LDNO LV: NHH UMS category A		8	1.318						
LDNO LV: NHH UMS category B		1	1.787						
LDNO LV: NHH UMS category C		1	3.097						
LDNO LV: NHH UMS category D		1	0.971						
LDNO LV: LV UMS (Pseudo HH Metered)		0	24.198	0.946	0.345				
LDNO LV: LV Generation NHH		8	-1.175						
LDNO LV: LV Generation Intermittent		0	-1.175					0.349	
LDNO LV: LV Generation Non-Intermittent		0	-8.289	-0.913	-0.149			0.349	
LDNO HV: Domestic Unrestricted		1	1.461			1.34			
LDNO HV: Domestic Two Rate		2	1.726	0.175		1.34			
LDNO HV: Domestic Off Peak (related MPAN)		2	0.164						
LDNO HV: Small Non Domestic Unrestricted		3	1.235			1.71			
LDNO HV: Small Non Domestic Two Rate		4	1.417	0.114		1.71			
LDNO HV: Small Non Domestic Off Peak (related MPAN)		4	0.129						
LDNO HV: LV Medium Non-Domestic		5-8	1.402	0.103		7.61			
LDNO HV: LV HH Metered		0	6.639	0.454	0.092	6.67	0.87	0.271	0.87
LDNO HV: LV Sub HH Metered		0	9.549	0.518	0.129	3.73	2.87	0.346	2.87
LDNO HV: HV HH Metered		0	8.350	0.391	0.099	63.62	2.48	0.278	2.48
LDNO HV: NHH UMS category A		8	0.721						
LDNO HV: NHH UMS category B		1	0.978						
LDNO HV: NHH UMS category C		1	1.695						
LDNO HV: NHH UMS category D		1	0.532						
LDNO HV: LV UMS (Pseudo HH Metered)		0	13.244	0.518	0.189				
LDNO HV: LV Generation NHH		8	-1.175						
LDNO HV: LV Sub Generation NHH		8	-1.058						
LDNO HV: LV Generation Intermittent		0	-1.175					0.349	
LDNO HV: LV Generation Non-Intermittent		0	-8.289	-0.913	-0.149			0.349	
LDNO HV: LV Sub Generation Intermittent		0	-1.058					0.327	
LDNO HV: LV Sub Generation Non-Intermittent		0	-7.574	-0.792	-0.137			0.327	
LDNO HV: HV Generation Intermittent		0	-0.685					0.248	
LDNO HV: HV Generation Non-Intermittent		0	-5.446	-0.384	-0.094			0.248	

LDNO HVplus: Domestic Unrestricted		1	1.268			1.17			
LDNO HVplus: Domestic Two Rate		2	1.498	0.152		1.17			
LDNO HVplus: Domestic Off Peak (related MPAN)		2	0.143						
LDNO HVplus: Small Non Domestic Unrestricted		3	1.072			1.49			
LDNO HVplus: Small Non Domestic Two Rate		4	1.230	0.099		1.49			
LDNO HVplus: Small Non Domestic Off Peak (related MPAN)		4	0.112						
LDNO HVplus: LV Medium Non-Domestic		5-8	1.216	0.089		6.61			
LDNO HVplus: LV Sub Medium Non-Domestic		5-8	1.728	0.127		13.06			
LDNO HVplus: HV Medium Non-Domestic		5-8	1.471	0.100		100.42			
LDNO HVplus: LV HH Metered		0	5.762	0.394	0.080	5.79	0.76	0.235	0.76
LDNO HVplus: LV Sub HH Metered		0	8.082	0.439	0.110	3.16	2.43	0.293	2.43
LDNO HVplus: HV HH Metered		0	7.012	0.328	0.083	53.42	2.09	0.233	2.09
LDNO HVplus: NHH UMS category A		8	0.626						
LDNO HVplus: NHH UMS category B		1	0.849						
LDNO HVplus: NHH UMS category C		1	1.471						
LDNO HVplus: NHH UMS category D		1	0.461						
LDNO HVplus: LV UMS (Pseudo HH Metered)		0	11.495	0.449	0.164				
LDNO HVplus: LV Generation NHH		8	-0.575			0.00			
LDNO HVplus: LV Sub Generation NHH		8	-0.578			0.00			
LDNO HVplus: LV Generation Intermittent		0	-0.575			0.00		0.171	
LDNO HVplus: LV Generation Non-Intermittent		0	-4.055	-0.447	-0.073	0.00		0.171	
LDNO HVplus: LV Sub Generation Intermittent		0	-0.578			0.00		0.179	
LDNO HVplus: LV Sub Generation Non-Intermittent		0	-4.135	-0.432	-0.075	0.00		0.179	
LDNO HVplus: HV Generation Intermittent		0	-0.685			71.45		0.248	
LDNO HVplus: HV Generation Non-Intermittent		0	-5.446	-0.384	-0.094	71.45		0.248	
LDNO EHV: Domestic Unrestricted		1	0.916			0.84			
LDNO EHV: Domestic Two Rate		2	1.082	0.110		0.84			
LDNO EHV: Domestic Off Peak (related MPAN)		2	0.103						
LDNO EHV: Small Non Domestic Unrestricted		3	0.774			1.07			
LDNO EHV: Small Non Domestic Two Rate		4	0.888	0.072		1.07			
LDNO EHV: Small Non Domestic Off Peak (related MPAN)		4	0.081						
LDNO EHV: LV Medium Non-Domestic		5-8	0.879	0.065		4.77			
LDNO EHV: LV Sub Medium Non-Domestic		5-8	1.248	0.092		9.43			
LDNO EHV: HV Medium Non-Domestic		5-8	1.062	0.073		72.54			
LDNO EHV: LV HH Metered		0	4.162	0.285	0.058	4.18	0.55	0.170	0.55
LDNO EHV: LV Sub HH Metered		0	5.838	0.317	0.079	2.28	1.76	0.211	1.76
LDNO EHV: HV HH Metered		0	5.065	0.237	0.060	38.59	1.51	0.168	1.51
LDNO EHV: NHH UMS category A		8	0.452						
LDNO EHV: NHH UMS category B		1	0.613						
LDNO EHV: NHH UMS category C		1	1.063						
LDNO EHV: NHH UMS category D		1	0.333						
LDNO EHV: LV UMS (Pseudo HH Metered)		0	8.303	0.325	0.119				
LDNO EHV: LV Generation NHH		8	-0.415			0.00			
LDNO EHV: LV Sub Generation NHH		8	-0.417			0.00			
LDNO EHV: LV Generation Intermittent		0	-0.415			0.00		0.123	
LDNO EHV: LV Generation Non-Intermittent		0	-2.929	-0.323	-0.053	0.00		0.123	
LDNO EHV: LV Sub Generation Intermittent		0	-0.417			0.00		0.129	
LDNO EHV: LV Sub Generation Non-Intermittent		0	-2.987	-0.312	-0.054	0.00		0.129	
LDNO EHV: HV Generation Intermittent		0	-0.495			51.61		0.179	
LDNO EHV: HV Generation Non-Intermittent		0	-3.934	-0.277	-0.068	51.61		0.179	
LDNO 132kV/EHV: Domestic Unrestricted		1	0.674			0.62			
LDNO 132kV/EHV: Domestic Two Rate		2	0.797	0.081		0.62			
LDNO 132kV/EHV: Domestic Off Peak (related MPAN)		2	0.076						
LDNO 132kV/EHV: Small Non Domestic Unrestricted		3	0.570			0.79			
LDNO 132kV/EHV: Small Non Domestic Two Rate		4	0.654	0.053		0.79			
LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN)		4	0.060						
LDNO 132kV/EHV: LV Medium Non-Domestic		5-8	0.647	0.048		3.51			
LDNO 132kV/EHV: LV Sub Medium Non-Domestic		5-8	0.919	0.068		6.95			
LDNO 132kV/EHV: HV Medium Non-Domestic		5-8	0.782	0.053		53.41			
LDNO 132kV/EHV: LV HH Metered		0	3.065	0.210	0.042	3.08	0.40	0.125	0.40
LDNO 132kV/EHV: LV Sub HH Metered		0	4.299	0.233	0.058	1.68	1.29	0.156	1.29
LDNO 132kV/EHV: HV HH Metered		0	3.729	0.175	0.044	28.42	1.11	0.124	1.11

LDNO 132kV/EHV: NHH UMS category A		8	0.333						
LDNO 132kV/EHV: NHH UMS category B		1	0.452						
LDNO 132kV/EHV: NHH UMS category C		1	0.782						
LDNO 132kV/EHV: NHH UMS category D		1	0.245						
LDNO 132kV/EHV: LV UMS (Pseudo HH Metered)		0	6.114	0.239	0.087				
LDNO 132kV/EHV: LV Generation NHH		8	-0.306			0.00			
LDNO 132kV/EHV: LV Sub Generation NHH		8	-0.307			0.00			
LDNO 132kV/EHV: LV Generation Intermittent		0	-0.306			0.00		0.091	
LDNO 132kV/EHV: LV Generation Non-Intermittent		0	-2.157	-0.238	-0.039	0.00		0.091	
LDNO 132kV/EHV: LV Sub Generation Intermittent		0	-0.307			0.00		0.095	
LDNO 132kV/EHV: LV Sub Generation Non-Intermittent		0	-2.200	-0.230	-0.040	0.00		0.095	
LDNO 132kV/EHV: HV Generation Intermittent		0	-0.364			38.00		0.132	
LDNO 132kV/EHV: HV Generation Non-Intermittent		0	-2.897	-0.204	-0.050	38.00		0.132	
LDNO 132kV: Domestic Unrestricted		1	0.308			0.28			
LDNO 132kV: Domestic Two Rate		2	0.364	0.037		0.28			
LDNO 132kV: Domestic Off Peak (related MPAN)		2	0.035						
LDNO 132kV: Small Non Domestic Unrestricted		3	0.260			0.36			
LDNO 132kV: Small Non Domestic Two Rate		4	0.299	0.024		0.36			
LDNO 132kV: Small Non Domestic Off Peak (related MPAN)		4	0.027						
LDNO 132kV: LV Medium Non-Domestic		5-8	0.295	0.022		1.60			
LDNO 132kV: LV Sub Medium Non-Domestic		5-8	0.420	0.031		3.17			
LDNO 132kV: HV Medium Non-Domestic		5-8	0.357	0.024		24.39			
LDNO 132kV: LV HH Metered		0	1.399	0.096	0.019	1.41	0.18	0.057	0.18
LDNO 132kV: LV Sub HH Metered		0	1.963	0.107	0.027	0.77	0.59	0.071	0.59
LDNO 132kV: HV HH Metered		0	1.703	0.080	0.020	12.97	0.51	0.057	0.51
LDNO 132kV: NHH UMS category A		8	0.152						
LDNO 132kV: NHH UMS category B		1	0.206						
LDNO 132kV: NHH UMS category C		1	0.357						
LDNO 132kV: NHH UMS category D		1	0.112						
LDNO 132kV: LV UMS (Pseudo HH Metered)		0	2.792	0.109	0.040				
LDNO 132kV: LV Generation NHH		8	-0.140			0.00			
LDNO 132kV: LV Sub Generation NHH		8	-0.140			0.00			
LDNO 132kV: LV Generation Intermittent		0	-0.140			0.00		0.041	
LDNO 132kV: LV Generation Non-Intermittent		0	-0.985	-0.108	-0.018	0.00		0.041	
LDNO 132kV: LV Sub Generation Intermittent		0	-0.140			0.00		0.043	
LDNO 132kV: LV Sub Generation Non-Intermittent		0	-1.004	-0.105	-0.018	0.00		0.043	
LDNO 132kV: HV Generation Intermittent		0	-0.166			17.35		0.060	
LDNO 132kV: HV Generation Non-Intermittent		0	-1.323	-0.093	-0.023	17.35		0.060	
LDNO 0000: Domestic Unrestricted		1	0.000			0.00			
LDNO 0000: Domestic Two Rate		2	0.000	0.000		0.00			
LDNO 0000: Domestic Off Peak (related MPAN)		2	0.000						
LDNO 0000: Small Non Domestic Unrestricted		3	0.000			0.00			
LDNO 0000: Small Non Domestic Two Rate		4	0.000	0.000		0.00			
LDNO 0000: Small Non Domestic Off Peak (related MPAN)		4	0.000						
LDNO 0000: LV Medium Non-Domestic		5-8	0.000	0.000		0.00			
LDNO 0000: LV Sub Medium Non-Domestic		5-8	0.000	0.000		0.00			
LDNO 0000: HV Medium Non-Domestic		5-8	0.000	0.000		0.00			
LDNO 0000: LV HH Metered		0	0.000	0.000	0.000	0.00	0.00	0.000	
LDNO 0000: LV Sub HH Metered		0	0.000	0.000	0.000	0.00	0.00	0.000	
LDNO 0000: HV HH Metered		0	0.000	0.000	0.000	0.00	0.00	0.000	
LDNO 0000: NHH UMS category A		8	0.000						
LDNO 0000: NHH UMS category B		1	0.000						
LDNO 0000: NHH UMS category C		1	0.000						
LDNO 0000: NHH UMS category D		1	0.000						
LDNO 0000: LV UMS (Pseudo HH Metered)		0	0.000	0.000	0.000				
LDNO 0000: LV Generation NHH		8	0.000			0.00			
LDNO 0000: LV Sub Generation NHH		8	0.000			0.00			
LDNO 0000: LV Generation Intermittent		0	0.000			0.00		0.000	
LDNO 0000: LV Generation Non-Intermittent		0	0.000	0.000	0.000	0.00		0.000	
LDNO 0000: LV Sub Generation Intermittent		0	0.000			0.00		0.000	
LDNO 0000: LV Sub Generation Non-Intermittent		0	0.000	0.000	0.000	0.00		0.000	
LDNO 0000: HV Generation Intermittent		0	0.000			0.00		0.000	
LDNO 0000: HV Generation Non-Intermittent		0	0.000	0.000	0.000	0.00		0.000	

Annex 5 - Schedule of line loss factors

SP Manweb - Effective from 1 April 2014 - Indicative LLF Time Periods					
Time periods	Period 1	Period 2	Period 3	Period 4	
	Night	Other	Winder Weekday	Winter Peak	
Monday to Friday March to October	23:30 – 07:30	07:30 – 23:30			
Monday to Friday November to February	23:30 – 07:30	20:00 – 23:30	07:30 – 16:00 19:00 – 20:00	16:00 – 19:00	
Saturday and Sunday All Year	23:30 – 07:30	07:30 – 23:30			
Notes	All the above times are in UK Clock time				
Generic demand and generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low-voltage network	1.082	1.102	1.111	1.134	101, 102, 103, 104, 105, 106, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 130, 131, 132, 133, 134, 135, 136, 137, 138, 140, 141, 142, 143, 145, 146, 147, 148, 149, 150, 153, 155, 201, 202, 203, 205, 211, 212, 231, 232, 233, 234, 235, 236, 237, 401, 402, 501, 511, 591, 781, 782, 783, 784, 785, 786, 787, 791, 795, 900, 901, 902, 903, 910
Low-voltage substation	1.057	1.061	1.065	1.072	207, 208, 209, 210, 403, 404, 503, 513, 592, 780, 788, 789, 792, 796
High-voltage network	1.032	1.039	1.044	1.050	405, 505, 515, 593, 770, 771, 793, 797
High-voltage substation	1.024	1.027	1.030	1.033	300 TO 399 INCLUSIVE, 450 TO 499 INCLUSIVE, 700 to 725 INCLUSIVE
33kV generic Import	1.016	1.019	1.021	1.023	
33kV generic Export	1.012	1.013	1.014	1.015	
132kV generic Import	1.004	1.005	1.006	1.007	
132kV generic Export	1.000	1.000	1.000	1.000	

EHV site specific LLFs					
Demand					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Shell Stanlow	1.039	1.041	1.041	1.041	803
Jaguar & Land Rover	1.068	1.073	1.074	1.081	804
Innospec	1.039	1.041	1.041	1.046	805
Bridgewater Paper	1.051	1.050	1.058	1.050	806
General Motors	1.026	1.028	1.027	1.031	807
TATA Steel	1.010	1.018	1.016	1.020	808
Urenco	1.028	1.028	1.028	1.030	809
ICI Lostock	1.022	1.062	1.057	1.055	810
Knauf Insulation	1.053	1.063	1.062	1.067	812
Air Products	1.041	1.043	1.043	1.046	813
Shell Chemicals	1.039	1.042	1.040	1.044	814
Growhow	1.043	1.045	1.044	1.048	815
Castle Cement	1.019	1.026	1.021	1.033	816
Kronospan	1.037	1.053	1.083	1.072	817
Albion Inorganic	1.042	1.070	1.064	1.089	819
BHP Petroleum	1.033	1.056	1.050	1.065	821
Hole House Farm	1.016	1.019	1.021	1.023	822
Port of Liverpool	1.034	1.040	1.039	1.027	824
Kimberly Clark	1.046	1.087	1.062	1.082	827
Amegni	1.011	1.026	1.017	1.047	828
Salt Union	1.060	1.067	1.065	1.069	829
ICI Percival Lane	1.065	1.066	1.064	1.071	831
Toyota	1.019	1.070	1.069	1.076	833
Warmingham Gas Storage	1.054	1.074	1.073	1.086	834
Arpley Landfill	1.000	1.051	1.036	1.000	835
Amcor	1.021	1.030	1.025	1.038	836
Cemmaes Windfarm C	1.043	1.051	1.100	1.089	838
PG Strand Gate	1.030	1.041	1.037	1.037	839
Moel Maelogan A	1.015	1.015	1.017	1.023	840
Moel Maelogan B	1.015	1.015	1.017	1.023	841
North Hoyle	1.019	1.037	1.031	1.048	842
Cefn Croyes (3)	1.068	1.064	1.066	1.083	843
Cefn Croyes (4)	1.068	1.064	1.066	1.083	844
Tir Mostyn	1.024	1.056	1.053	1.057	845
Myndd Clogau	1.006	1.038	1.031	1.051	846
Granox	1.012	1.021	1.018	1.026	847
Braich Ddu	1.017	1.007	1.078	1.013	849
Moel Maelogan 2	1.015	1.015	1.017	1.023	851
Trafalgar Dock	1.065	1.068	1.067	1.073	852
CEW	1.016	1.019	1.021	1.023	853
Wern Ddu	1.027	1.047	1.036	1.058	854
Rhyl Flats	1.009	1.009	1.008	1.017	856
Cemmaes B	1.043	1.051	1.100	1.089	865
Penrhyddlan	1.020	1.051	1.055	1.082	866
Llidiartywaun	1.008	1.038	1.046	1.067	867
Rhyd-y-Groes	1.010	1.007	1.013	1.011	868
Llangwryfon	1.024	1.038	1.029	1.059	869
Storengy	1.004	1.005	1.006	1.007	870

Rheidol	1.003	1.007	1.009	1.023	871
Carno B	1.011	1.026	1.017	1.047	872
Carno A	1.011	1.026	1.017	1.047	873
Trysglwyn	1.011	1.020	1.028	1.053	874
Llanabo	1.010	1.011	1.014	1.018	875
Quinn Glass	1.040	1.042	1.042	1.046	877
Liverpool Int Bus Park	1.065	1.069	1.068	1.076	878
Mynydd Gorddu	1.037	1.056	1.012	1.083	887
PG Winnington	1.067	1.065	1.059	1.000	898
Network Rail - Crewe	1.039	1.049	1.051	1.058	921
Network Rail - Speke	1.079	1.073	1.072	1.077	922
Network Rail - Bankhall	1.065	1.070	1.069	1.076	923
Network Rail - Bromborough	1.042	1.047	1.045	1.053	924
Network Rail - Shore Road	1.039	1.043	1.042	1.047	925
Burbo Bank	0.998	1.000	0.999	1.000	MSID 7203
Shotton Paper	1.000	0.999	1.000	0.999	MSID 7120
Risley DSCP	1.029	1.039	1.038	1.034	MSID 0030
Bold DSCP	1.042	1.050	1.061	1.124	MSID 0031 / 0032
Dolgarrog PS	0.984	0.990	0.986	0.991	MSID 4532 - 4533
Rheidol PS	0.989	0.990	0.987	0.985	MSID 5025

Generation					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Shell Stanlow	1.025	1.030	1.030	1.032	603
Port of Liverpool Windfarm	1.003	1.005	1.003	1.006	604
Bridgewater Paper	1.003	1.003	1.011	1.013	606
Moel Maelogan 2	0.962	0.966	0.969	0.975	611
Albion Inorganic	1.022	1.034	1.041	1.017	619
BHP	1.021	1.041	1.036	1.057	621
Amegni	0.993	1.005	0.997	1.018	628
Salt Union	1.031	1.033	1.032	0.981	629
Arpley Landfill	1.004	1.034	1.031	1.022	635
Cemmaes C	0.961	0.955	0.970	0.960	638
PG Strand Gate	0.989	0.996	0.994	1.001	639
Moel Maelogan A	0.962	0.966	0.969	0.975	640
Moel Maelogan B	0.962	0.966	0.969	0.975	641
North Hoyle Windfarm	0.984	0.999	0.991	1.004	642
Cefn Croyes 3	1.046	1.057	1.058	1.069	643
Cefn Croyes 4	1.037	1.048	1.046	1.057	644
Tir Mostyn	0.978	0.998	0.984	1.001	645
Mynydd Clogau	1.002	1.017	1.022	1.028	646
Granox	1.009	1.018	1.016	1.024	647
Braich Ddu Windfarm	0.967	0.990	0.999	0.930	649
CEW	1.012	1.013	1.014	1.015	653
Wern Ddu	1.017	0.989	0.982	1.036	654
Rhyl Flats Windfarm	0.985	0.996	0.984	0.971	656
Cemmaes B Windfarm	0.961	0.955	0.970	0.960	665
Penrhyddlan Windfarm	0.992	0.986	0.949	0.963	666
Llidiartywaun	0.972	0.984	0.962	0.980	667
Rhyd y Groes	0.983	0.983	0.983	0.986	668
Llangwryfon	0.990	1.000	1.013	1.029	669
Rheidol Windfarm	1.018	1.031	1.034	1.049	671
Carno B	0.993	1.005	0.997	1.018	672
Carno A	0.993	1.005	0.997	1.018	673
Tysglwyn	0.999	0.999	0.997	0.992	674
Llanabo	0.987	0.982	0.985	0.988	675
Network Rail Speke	1.000	1.000	1.000	1.000	682
Mynydd Gorddu	1.023	1.045	1.049	1.065	687
Network Rail Crewe	1.000	1.000	1.000	1.000	691
PG Winnington	0.993	1.007	1.003	1.016	698
Burbo Bank	0.998	1.000	0.999	1.000	MSID 7203
Shotton Paper	1.000	0.999	1.000	0.999	MSID 7120
Cwm Dylli PS	0.974	0.990	0.999	0.989	MSID 4054
Dolgarrog PS	0.984	0.990	0.986	0.991	MSID 4532 / 4533
Rheidol PS	0.989	0.990	0.987	0.985	MSID 5025
Maentwrog PS	0.925	0.930	0.972	0.959	MSID 6015

Annex 6 - Addendum to charging statement detailing charges for new Designated EHV Properties