SP MANWEB PLC

Use of System Charging Statement

FINAL NOTICE

Effective from 1st April 2014

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

Version Control

Version	Date	Description of version and any changes made
1	19 Feb 14	Final Charges

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

Contents

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 charges[1] 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: commecial@scottishpower.com
Telephoone: 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 2001[2] and where operated in accordance with BSCP520[3].

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 statement[4].

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/uksi/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 2001 and where operated in accordance with BSCP520.

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.

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

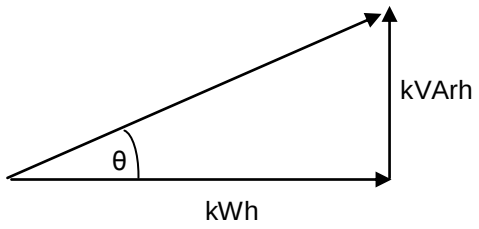
2.38. There is no minimum capacity threshold.

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

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

Where:

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 in the format of the D0036 or D0275 MRA data flow;
- the spreadsheet shall contain the metering reference specified by SP Manweb plc in place of the settlements MPAN;
- the spreadsheet shall be emailed to uos_administrators@scottishpower.com;
- the spreadsheet 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 lost[5] 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.

[5] 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 proposers to supply, or for the time being supplies, electricity through an exit point, or from who, a user or any relevant exempt supplier, is entitled to recover charges, compensation or an account of profits in respect of electricity supplied though 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	The system consisting (wholly or mainly) of: • 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 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.
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	A classification of metering systems which indicates how consumption is measured, i.e.: • 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[6].

[6] 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

Please note for Domestic Unrestricted and Domestic Two Rate the tariffs in Table 2 apply.

SP Manweb - Effective from 1 April 2014 - Final 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		

TABLE 1	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/kVArh	Excess capacity charge p/kVA/day	Closed LLFCs
Domestic Unrestricted (Unadjusted for £5 Rebate and will not apply for 2014/15 - see table below for tariffs)	101, 102	1	4.114			3.73				
Domestic Two Rate (Unadjusted for £5 Rebate and will not apply for 2014/15 - see table below for tariffs)	103, 105, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 131, 132, 133, 134, 147, 148, 149, 150	2	4.883	0.494		3.73				145, 146
Domestic Off Peak (related MPAN)	104, 106, 130, 153, 155	2	0.462							135, 136, 137, 138, 140, 141, 142, 143
Small Non Domestic Unrestricted	201, 202, 203, 209	3	3.477			4.76				207
Small Non Domestic Two Rate	205, 211, 231, 232	4	3.994	0.321		4.76				208, 210
Small Non Domestic Off Peak (related MPAN)	212	4	0.363							233, 234, 235, 236, 237
LV Medium Non-Domestic	401, 402	5-8	3.948	0.289		20.72				
LV Sub Medium Non-Domestic	403, 404	5-8	3.628	0.266		26.33				
LV HH Metered	511, 591	0	18.780	1.271	0.258	18.62	2.42	0.762	2.42	501
LV Sub HH Metered	513, 592	0	17.058	0.918	0.229	6.57	5.01	0.616	5.01	503
HV HH Metered	515, 593	0	13.287	0.618	0.157	99.53	3.85	0.441	3.85	505
NHH UMS category A	900	8	2.029							904, 912, 913
NHH UMS category B	901	1	2.757							905
NHH UMS category C	902	1	4.782							906
NHH UMS category D	903	1	1.489							907
LV UMS (Pseudo HH Metered)	910	0	37.437	1.446	0.529					
LV Generation NHH	781, 782, 783, 784, 785	8	-1.187							
LV Sub Generation NHH	780	8	-1.068							
LV Generation Intermittent	786, 787	0	-1.187					0.353		
LV Generation Non-Intermittent	791, 795	0	-8.384	-0.920	-0.151			0.353		
LV Sub Generation Intermittent	788, 789	0	-1.068					0.330		
LV Sub Generation Non-Intermittent	792, 796	0	-7.662	-0.799	-0.138			0.330		
HV Generation Intermittent	770, 771	0	-0.694			72.68		0.251		
HV Generation Non-Intermittent	793, 797	0	-5.521	-0.388	-0.095	72.68		0.251		

TABLE 2	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/kVArh	Excess capacity charge p/kVA/day	Closed LLFCs
Domestic Unrestricted (including £5 rebate adjustment)	101, 102	1	4.114			2.36				
Domestic Two Rate (including £5 rebate adjustment)	103, 105, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 131, 132, 133, 134, 147, 148, 149, 150	2	4.883	0.494		2.36				145, 146

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 - Final 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	803	1300035361194	603	603	1300050649372	Shell Stanlow		19566.72	3.92	3.92				
804	804	1300035352942				Jaguar & Land Rover	0.688	7565.20	8.22	8.22				
805	805	1300035359423				Innospec		49952.15	7.64	7.64				
806	806	1300051060972	606	606	1300051060981	Bridgewater Paper		129.86	3.17	3.17				
807	807	1300035359752				General Motors		10246.63	4.25	4.25				
808	808	1300035360066				TATA Steel		27095.62	7.69	7.69				
809	809	1300035362480				Urenco			4.51	4.51				
810	810	1300051694818				Ineos Chlor Ltd (Lostock)	0.905	44208.41	3.47	3.47				
812	812	1300035356130				Knauf Insulation	0.672	1195.73	8.93	8.93				
813	813	1300035359585				Air Products		1167.54	14.37	14.37				
814	814	1300035359619				Shell Chemicals		5380.05	12.49	12.49				
815	815	1300035359780				GrowHow		6135.76	8.24	8.24				
816	816	1300053536398				Castle Cement		1662.20	4.29	4.29				
817	817	1300035361992				Kronospan	1.153	4332.66	14.24	14.73				
819	819	1300035365082	619	619	1300051136210	Albion Inorganic	1.743	269.56	1.84	1.84				
821	821	1300035367967	621	621	1300050649336	BHP		10567.76	2.70	2.70				
822	822	1300060251601				Hole House Farm		6715.60	5.09	5.09				
824	824	1300054940674	604	604	1300054940683	Port of Liverpool		19.48	2.69	2.69		1168.74	0.67	0.67
827	827	1300052785147				Kimberley Clark		373.89	12.51	12.51				
828	828	1300060075390	628	628	1300060075405	Amegni		5.60	3.80	3.80		437.11	0.67	0.67
829	829	1300035400611	629	629	1300038004507	Salt Union		1499.24	2.67	2.67				
831	831	1300035437700				Ineos Chlor Ltd (Percival Lane)		293.15	7.75	7.75				
833	833	1300035361803				Toyota		1993.45	5.52	5.52				
834	834	1300051028551				Warmingham Gas Storage		3868.98	7.30	7.30				
835	835	1300050648875	635	635	1300050931602	Arpley Landfill	1.574	15.45	3.14	3.14				
836	836	1300035360800				Amcor	1.546	1416.11	8.34	8.34				
838	838	1300052122840	638	638	1300052122859	Cemmaes C		4.93	2.92	2.92				
839	839	1300051822667	639	639	1300051821478	PG Strand Gate		2383.00	5.21	5.21				
840	840	1300052545267	640	640	1300052545276	Moel Maelogan (A)		11.44	2.69	2.69				
841	841	1300052545285	641	641	1300052545294	Moel Maelogan (B)		5.76	3.05	3.05				
842	842	1300053022082	642	642	1300053022091	North Hoyle		281.46	1.67	1.67				
843	843	1300053466350	643	643	1300053466369	Cefn Croyes (3)		2474.87	2.64	2.64				
844	844	1300053466378	644	644	1300053466387	Cefn Croyes (4)		2479.05	2.63	2.63				
845	845	1300053834682	645	645	1300053834691	Tir Mostyn		502.31	2.63	2.63				
846	846	1300053862801	646	646	1300053862796	Mynydd Clogau		13.04	3.78	3.78				
847	847	1300053962107	647	647	1300053962116	Granox	0.745	183.05	5.99	5.99				
849	849	1300054624390	649	649	1300054624405	Braich Ddu		30.77	2.75	2.75				

851	851	1300054933348	611	611	1300054914140	Moel Maelogan 2		4.60	2.60	2.60		269.13	0.67	0.67
852	852	1300053310848				Trafalgar Dock	0.326	1334.88	5.28	5.28				
853	853	0	653	653		CEW	0.728	196.18	3.23	3.23	-1.359	4102.64	0.67	0.67
854	854	1300060138720	654	654	1300060138739	Wern Ddu		35.95	2.57	2.57		1743.54	0.67	0.67
856	856	1300060102617	656	656	1300060102608	Rhyl Flats		117.20	2.79	2.79		10782.07	0.67	0.67
865	865	1300035438944	665	665	1300038004491	Cemmaes B		7.59	3.11	3.11				
866	866	1300037983737	666	666	1300037983746	Penrhyddlan	1.075	10.63	4.77	4.77				
867	867	1300037983755	667	667	1300037983764	Llidartywaun	1.173	9.93	4.63	4.63				
868	868	1300035368906	668	668	1300050649381	Rhyd y Groes		603.80	2.77	2.77				
869	869	1300035370393	669	669	1300050649070	Llangwyrfon		19.08	3.50	3.50				
870	870	1300060308295				Storenergy (Lostock)		1040.37	10.93	10.93				
871	871	1300037983996	671	671	1300037984002	Rheidol		56.96	2.33	2.33				
872	872	1300037983913	672	672	1300037983922	Carno B		139.53	3.76	3.76				
873	873	1300037983899	673	673	1300037983904	Carno A		49.52	3.91	3.91				
874	874	1300035438572	674	674	1300050649390	Trysglwyn		20.53	3.04	3.04				
875	875	1300050649406	675	675	1300050649415	Llanabo		10.19	3.05	3.05				
877	877	1300053593216				Quinn Glass		2101.87	12.42	12.42				
878	878	1300054122122				Liverpool Int Bus Park	0.325	2980.21	3.83	3.83				
887	887	1300035619768	687	687	1300050652905	Mynydd Gorduu		131.40	3.26	3.26				
898	898	1300051694552	698	698	1300051694827	PG Winnington		787.53	2.59	3.72				
921	921	1300050654248	691	691	1300060208518	Network Rail (Crewe)		6441.05	5.92	5.92		1610.26	0.67	0.67
922	922	1300050654257	682	682	1300060269895	Network Rail (Speke)		2350.48	8.33	8.33	-0.648	783.49	0.67	0.67
923	923	1300050649994				Network Rail (Bankhall)	0.307	1021.17	7.28	7.28				
924	924	1300050653040				Network Rail (Bromborough)		653.51	10.73	10.73				
925	925	1300050654220				Network Rail (Shore Road)		3813.88	8.34	8.34				
MSID 7120	MSID	MSID 7120	MSID 7120	MSID	MSID 7120	Shotton Paper		31959.72	2.05	2.05				
MSID 7203	MSID	MSID 7203	MSID 7203	MSID	MSID 7203	Burbo Bank		5374.48						
MSID 0030	MSID	MSID 0030				Risley			15.61	15.61				
MSID 0031/32	MSID	MSID 0031/32				Bold			3.33	3.33				
MSID 4532/33	MSID	MSID 4532/33	MSID 4532/33	MSID	MSID 4532/33	Dolgarrog PS			6.12	6.12			0.67	0.67
			MSID 6015	MSID	MSID 6015	Maentwrog PS			1.59	1.59	-0.162		0.67	0.67
MSID	MSID		MSID 4054	MSID	MSID 4054	Cwm Dyli PS			2.56	2.56	-0.162		0.67	0.67
300	300	1300035348714				Royal London Insurance		148.24	2.22	2.22				
301	301	1300035349160				Amerdale Ltd		148.24	5.30	5.30				
302	302	1300035349461				United Biscuits (Uk) Ltd		148.24	8.08	8.08				
303	303	1300035350156				Brocklebank Dock	1.181	148.24	9.83	9.83				
304	304	1300035351949				Bruntwood Limited	0.322	148.24	5.53	5.53				
305	305	1300035351958				L'pool Daily Post & Echo	0.354	148.24	6.26	6.26				
306	306	1300035352214				University Of Liverpool	0.321	148.24	5.74	5.74				
307	307	1300035352232				Norwepp Ltd	0.861	148.24	2.26	2.26				
308	308	1300035353050				New Capital Dev Ltd	0.324	148.24	10.22	10.22				
309	309	1300035354346				Chiron Vaccines Ltd	0.683	148.24	2.50	2.50				
310	310	1300035355465				Assidoman Print & Pack	2.877	148.24	10.75	10.75				
311	311	1300035355526				Bruntwood Ltd (Warrington)	2.637	148.24	5.51	5.51				
313	313	1300035359460				H H Robinson	1.558	148.24	2.26	2.26				
314	314	1300035359567				SCA Limited	1.393	148.24	8.47	8.47				
315	315	1300035359725				UU Water Plc - Sutton Hall	1.369	148.24	9.30	9.30				
316	316	1300035360386				Dairy Crest Ltd	2.334	148.24	6.44	6.44				
317	317	1300035360632				Tetra Pak Manufacturing Uk Ltd	2.281	148.24	6.96	6.96				
318	318	1300035360952				Hydro Aluminium Deeside Ltd	2.389	148.24	6.68	6.68				
319	319	1300035362719				British Polythene Industries Plc	0.678	148.24	8.51	8.51				
320	320	1300035363002				Stanton Land And Marine Ltd	2.162	801.86	3.99	3.99				
321	321	1300035364619				Bombardier UK Ltd	0.872	1307.23	7.91	7.91				
322	322	1300035364707	700	700	1300060416993	Bentley Motor Cars Ltd	0.853	148.24	6.19	6.19		74.12	0.67	0.67
323	323	1300035366379				Tarmac Limited		74.12	4.81	4.81				

324	324	1300035369760				Texplan	2.972	148.24	11.97	11.97				
325	325	1300051555440				SCA		148.24	13.95	13.95				
326	326	1300052619849				Somerfield Plc	1.399	148.24	5.99	5.99				
327	327	1300035348644				Midland Bank		148.24	2.56	2.56				
328	328	1300035348662				Alliance & Leicester Plc		148.24	9.83	9.83				
329	329	1300035349035				Dairy Crest		148.24	5.37	5.37				
330	330	1300035349044				Yorkshire Copper Tube Ltd		1455.47	5.00	5.00				
331	331	1300035349114				Kodak Ltd		148.24	2.33	2.33				
332	332	1300035349220				Delphi Lockhheed Auto Ltd		148.24	2.84	2.84				
333	333	1300035349346				Thyssen Krupp (Group)		148.24	6.62	6.62				
334	334	1300035349355				New Horizon Global Ltd		148.24	3.38	3.38				
335	335	1300035349639				Seaforth Cornmill		148.24	6.18	6.18				
336	336	1300035349745				King Sturge Ltd		148.24	4.82	4.82				
337	337	1300035350680				News International Plc		148.24	4.41	4.41				
338	338	1300035351248				Essex International Limited	0.899	148.24	3.41	3.41				
339	339	1300035351735				Elizabeth II Law Courts	0.322	148.24	3.50	3.50				
340	340	1300035351967				Downing Property Services Ltd	0.329	148.24	6.10	6.10				
341	341	1300035352739				Canada Dock	0.408	148.24	4.23	4.23				
343	343	1300035352970				Liverpool Airport	0.312	148.24	10.09	10.09				
344	344	1300035354179				HP Chemie Pelzer Uk Ltd	0.337	148.24	6.14	6.14				
345	345	1300035354986				Novelis Uk Ltd	2.806	148.24	10.06	10.06				
346	346	1300035355118				PQ Silicas UK Ltd	2.825	222.37	7.28	7.28				
347	347	1300035355136				Baronet Works	2.761	2183.20	10.53	10.53				
348	348	1300035355749				Unifrax Ltd	1.318	148.24	8.41	8.41				
349	349	1300035355837				Delta Metals	1.417	148.24	6.36	6.36				
350	350	1300035355970				M Baker Recycling Limited	1.456	148.24	4.74	4.74				
351	351	1300035356194				BOC Limited	1.466	148.24	11.82	11.82				
352	352	1300035356380				Daresbury Laboratory		148.24	6.10	6.10				
353	353	1300035356724				Gypsum		2762.69	10.08	10.08				
354	354	1300035356770				Dyson Group Plc	1.043	148.24	8.56	8.56				
356	356	1300035357009				Rockwood Additives Ltd	0.976	148.24	4.61	4.61				
357	357	1300035358795				Airbus Uk Ltd		148.24	1.75	1.75				
358	358	1300035359600				Greif Uk Ltd	1.077	148.24	10.99	10.99				
359	359	1300035359673				BP International Limited	1.117	148.24	5.06	5.06				
360	360	1300035359799				Shell UK Limited	1.254	148.24	6.45	6.45				
361	361	1300035359901				Owens Corning UK		148.24	12.88	12.88				
362	362	1300035360181				Cadbury Schweppes Plc	3.297	148.24	13.20	13.20				
363	363	1300035360580				Kelloggs Company Of GB Ltd	2.420	148.24	9.45	9.45				
364	364	1300035360679				Bryn Lane Properties Llp	2.292	801.86	1.93	1.93				
365	365	1300035360688				BICC Wrexham	2.520	148.24	9.57	9.57				
366	366	1300035361130				M&S Financial Services	3.272	148.24	8.48	8.48				
367	367	1300035361812				Element Six Production Ltd		148.24	2.42	2.42				
368	368	1300035361983				Barry Callebaut (Uk) Ltd	3.519	148.24	9.43	9.43				
369	369	1300035362295				Caparo Steel Products Ltd	2.825	148.24	6.31	6.31				
370	370	1300035362700				Thermal Ceramics Ltd	1.464	148.24	3.62	3.62				
371	371	1300035362904				Egerton Dock	2.338	14610.74						
372	372	1300035362978				Shell UK	2.498	148.24	6.55	6.55				
373	373	1300035363067				Mobil Sasol		148.24	5.29	5.29				
374	374	1300035363191				Burtons Foods Ltd		148.24	5.01	5.01				
375	375	1300035363225				Unilever UK	0.669	148.24	4.06	4.06				
376	376	1300035363252				Champion Properties LLP		148.24	8.44	8.44				
377	377	1300035363883	719	719	1300060263839	Nestle UK Ltd	0.749	86.81	2.19	2.19		61.43	0.67	0.67
378	378	1300035364060				A&P Falmouth Ltd	2.250	1455.47	6.11	6.11				
379	379	1300035364177				Barclays Bank Plc	1.953	148.24	10.72	10.72				
380	380	1300035364256				Harman Technology Limited	1.999	148.24	6.28	6.28				
381	381	1300035364432				Twyfords Bathrooms	2.475	148.24	5.39	5.39				
382	382	1300035364646				Morning Foods Limited	3.385	148.24	10.45	10.45				
383	383	1300035364822				Fisons	1.943	148.24	6.79	6.79				
384	384	1300035365161				N W F Ltd	3.442	148.24	15.00	15.00				

385	385	1300035365240				Linpac Wcb	2.049	148.24	10.14	10.14				
386	386	1300035365287				Britton Group Plc	2.072	148.24	14.90	14.90				
387	387	1300035366494				Synthite		148.24	14.02	14.02				
388	388	1300035366801				Novar Plc	0.183	148.24	12.24	12.24				
389	389	1300035368232				Bangor Hospital (Health Sup)		148.24	7.76	7.76				
390	390	1300035351860				Copperas Hill (Royal Mail)	0.268	148.24	4.17	4.17				
391	391	1300035368400				Bourne Leisure Limited	0.173	148.24	8.75	8.75				
392	392	1300035368428				Rehau Ltd	0.163	148.24	10.04	10.04				
393	393	1300035370116				University Of Wales	1.153	148.24	22.47	22.47				
394	394	1300035618356				Smiths Group Plc		148.24	5.60	5.60				
395	395	1300038178922				Yardley Plastic		148.24	6.67	6.67				
397	397	1300050455959				Tulip International Ltd	0.730	148.24	4.73	4.73				
398	398	1300050482127				Unilever Research	0.685	148.24	5.74	5.74				
399	399	1300050628390	717	717	1300050867852	Seaforth		50.12	1.61	1.61				
450	450	1300050632704				Decoma-Merplas	0.743	148.24	9.51	9.51				
451	451	1300050781976				Sonae UK Limited		2910.94	1.78	1.78				
452	452	1300050955454				Gilbrook Dock		12170.74						
453	453	1300050977573				UU Water Plc - Woodside	2.313	1455.47	5.16	5.16				
454	454	1300050977670				UU Water Plc - Bromborough	0.685	1455.47	4.49	4.49				
455	455	1300051438963				S Norton & Co. Ltd	1.182	1455.47	1.86	1.86				
456	456	1300051517481				MOD - RAF Sealand		148.24	7.40	7.40				
457	457	1300051708346				Healthcare Distribution		148.24	6.39	6.39				
458	458	1300052182955				Aluminium Powder Company	0.439	148.24	17.84	17.84				
459	459	1300053398578				Chiron Vaccines	0.663	1455.47	3.90	3.90				
460	460	1300054917684				ESP	0.308	148.24	3.67	3.67				
461	461	1300060172544				Neptune (Mann Island)	0.309	1455.47	10.34	10.34				
462	462	1300035352260	710	710	1300051349870	L.A.H. Teaching Hospital	0.369	727.73	2.42	2.42				
463	463	1300035354123	711	711	1300052227204	UU Water Plc - Sandon Dock	1.171	1400.56	6.74	6.74	-0.629	280.11	0.67	0.67
464	464	1300035355242	712	712	1300053163518	UU Water Plc Gateworth Sewage	2.561	119.07	4.47	4.47	-2.613	29.17	0.67	0.67
465	465	1300035359770	713	713	1300050970114	UU Water Plc - Huntington	3.357	59.60	6.26	6.26				
466	466	1300035401331	714	714	1300052226920	UU Water Plc - Shell Green	1.048	822.66	6.41	6.41				
467	467	1300035353148	715	715	1300052368838	Eli Lilly & Co	0.816	1780.48	5.01	5.01				
468	468	1300035355794	703	703	1300050867791	Pilkington Glass - Greengate	1.357	916.41	3.26	3.26				
469	469	1300035355882	704	704	1300050867807	Pilkington Glass - Cowley Hill	1.366	709.07	2.99	2.99				
470	470	1300035355190	718	718	1300054580101	Iceland	2.742	140.83	15.55	15.55	-3.488	7.41	0.67	0.67
471	471	1300035359813				Meadow Foods Ltd	3.251	148.24	5.79	5.79				
472	472	1300035362746				Wirral Hospital		148.24	7.63	7.63				
473	473	1300035366174				Conway & Denbighshire NHS Trust	1.467	148.24	11.47	11.47				
474	474	1300035438261				Morrisons (Dist Centre)	2.061	148.24	8.59	8.59				
475	475	1300060172562				Mersey Travel (Mann Island)	0.312	74.12	3.26	3.26				
476	476	1300050712379				Pilkington Glass HO	1.454	148.24	5.94	5.94				
477	477	1300051517515				Mod - Raf Valley	0.429	148.24	16.47	16.47				
478	478	1300051517747				Mod - Shawbury	2.868	74.12	22.26	22.26				
479	479	1300035365640				Crewe Station	3.363	148.24	9.43	9.43				
480	480	1300051747708				Merseyside PTA	1.128	148.24	5.48	5.48				
481	481	1300035356255				Mackamax Primary		74.12	5.38	5.38				
482	482	1300035352906				Whiston Hospital	0.982	148.24	9.06	9.06				
483	483	1300052598765	716	716	1300060245403	Maw Green 2	0.816	4.49	2.27	2.27				
484	484	1300035355999	702	702	1300050867755	Pilkington Glass - Watson Street	1.501	545.80	1.92	1.92				
486	486	1300060340420				BAE Radway	3.190	2028.97	7.08	7.08				
488	488					Unilever (Chester Gates)	1.289	1894.77	4.21	4.21				
489	489	1300060222169				Unilever (Georgia)	0.653	412.05	6.05	6.05				
487	487	1300035349480				Aintree Fazakerly Hospital		2762.41	3.65	3.65				
857	857					Seaforth Liverpool Dock 2		47535.62	3.61	3.61				
848	848	1300060499085	651	651		Tai Moelion		2.82	3.07	3.07		846.21	0.67	0.67
850	850	0	652	652		BWSC A/S (Eddie Stobart)	0.732	124.08	3.19	3.19	-1.006	3026.31	0.67	0.67
899	899	1300060484140				Airbus UK Ltd (33kV)		5001.81	13.29	13.29				

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

SP Manweb - Effective from 1 April 2014 - Final 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	4.883	0.494		2.36			
Domestic Off Peak (related MPAN)	135, 136, 137, 138, 140, 141, 142, 143	2	0.462						
Small Non Domestic Unrestricted	207	3	3.477			4.76			
Small Non Domestic Two Rate	208, 210	4	3.994	0.321		4.76			
Small Non Domestic Off Peak (related MPAN)	233, 234, 235, 236, 237	4	0.363						
HV Medium Non-Domestic	405	5-8	2.785	0.190		183.46			
Notes:	Unit time periods are as specified in the SSC.								
	SP Manweb uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted Rates.								
	The Domestic and Non-Domestic Off Peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.								
	Preserved tariffs are only available to existing supplies, subject to certain conditions: a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff; b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored; c) Any additional load requried to be supplied on the preserved tariff must be within the existing supply capacity.								

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/kVArh	Excess Capacity charge p/kVA
LV HH Metered	501		18.780	1.271	0.258	18.62	2.42	0.762	2.42
LV Sub HH Metered	503		17.058	0.918	0.229	6.57	5.01	0.616	5.01
HV HH Metered	505		13.287	0.618	0.157	99.53	3.85	0.441	3.85
Notes:	Time periods								
	The time periods for each unit rate where applicable area as follows:								
	Unit charges in the red time band apply – between 16:30 to 19:30, Mon to Fri including Bank Holidays								
	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.								
	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.								
	All times are UK clock-time.								
	Preserved tariffs are only available to existing supplies, subject to certain conditions: a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff; b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored; c) Any additional load requried to be supplied on the preserved tariff must be within the existing supply capacity.								

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

SP Manweb - Effective from 1 April 2014 - Final 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			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, & 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/kVArh	Excess capacity charge p/kVA
LDNO LV: Domestic Unrestricted		1	2.738			2.48			
LDNO LV: Domestic Two Rate		2	3.250	0.329		2.48			
LDNO LV: Domestic Off Peak (related MPAN)		2	0.308						
LDNO LV: Small Non Domestic Unrestricted		3	2.314			3.17			
LDNO LV: Small Non Domestic Two Rate		4	2.658	0.214		3.17			
LDNO LV: Small Non Domestic Off Peak (related MPAN)		4	0.242						
LDNO LV: LV Medium Non-Domestic		5-8	2.628	0.192		13.79			
LDNO LV: LV HH Metered		0	12.500	0.846	0.172	12.39	1.61	0.507	1.61
LDNO LV: NHH UMS category A		8	1.351						
LDNO LV: NHH UMS category B		1	1.835						
LDNO LV: NHH UMS category C		1	3.183						
LDNO LV: NHH UMS category D		1	0.991						
LDNO LV: LV UMS (Pseudo HH Metered)		0	24.918	0.962	0.352				
LDNO LV: LV Generation NHH		8	-1.187						
LDNO LV: LV Generation Intermittent		0	-1.187					0.353	
LDNO LV: LV Generation Non-Intermittent		0	-8.384	-0.920	-0.151			0.353	
LDNO HV: Domestic Unrestricted		1	1.498			1.36			
LDNO HV: Domestic Two Rate		2	1.778	0.180		1.36			
LDNO HV: Domestic Off Peak (related MPAN)		2	0.168						
LDNO HV: Small Non Domestic Unrestricted		3	1.266			1.73			
LDNO HV: Small Non Domestic Two Rate		4	1.455	0.117		1.73			
LDNO HV: Small Non Domestic Off Peak (related MPAN)		4	0.132						
LDNO HV: LV Medium Non-Domestic		5-8	1.438	0.105		7.55			
LDNO HV: LV HH Metered		0	6.839	0.463	0.094	6.78	0.88	0.278	0.88
LDNO HV: LV Sub HH Metered		0	9.856	0.530	0.132	3.80	2.89	0.356	2.89
LDNO HV: HV HH Metered		0	8.637	0.402	0.102	64.69	2.50	0.287	2.50
LDNO HV: NHH UMS category A		8	0.739						
LDNO HV: NHH UMS category B		1	1.004						
LDNO HV: NHH UMS category C		1	1.742						
LDNO HV: NHH UMS category D		1	0.542						
LDNO HV: LV UMS (Pseudo HH Metered)		0	13.634	0.527	0.193				
LDNO HV: LV Generation NHH		8	-1.187						
LDNO HV: LV Sub Generation NHH		8	-1.068						
LDNO HV: LV Generation Intermittent		0	-1.187					0.353	
LDNO HV: LV Generation Non-Intermittent		0	-8.384	-0.920	-0.151			0.353	
LDNO HV: LV Sub Generation Intermittent		0	-1.068					0.330	
LDNO HV: LV Sub Generation Non-Intermittent		0	-7.662	-0.799	-0.138			0.330	
LDNO HV: HV Generation Intermittent		0	-0.694					0.251	
LDNO HV: HV Generation Non-Intermittent		0	-5.521	-0.388	-0.095			0.251	

LDNO HVplus: Domestic Unrestricted		1	1.301			1.18			
LDNO HVplus: Domestic Two Rate		2	1.544	0.156		1.18			
LDNO HVplus: Domestic Off Peak (related MPAN)		2	0.146						
LDNO HVplus: Small Non Domestic Unrestricted		3	1.099			1.51			
LDNO HVplus: Small Non Domestic Two Rate		4	1.263	0.102		1.51			
LDNO HVplus: Small Non Domestic Off Peak (related MPAN)		4	0.115						
LDNO HVplus: LV Medium Non-Domestic		5-8	1.248	0.091		6.55			
LDNO HVplus: LV Sub Medium Non-Domestic		5-8	1.775	0.130		12.88			
LDNO HVplus: HV Medium Non-Domestic		5-8	1.521	0.104		100.17			
LDNO HVplus: LV HH Metered		0	5.938	0.402	0.082	5.89	0.77	0.241	0.77
LDNO HVplus: LV Sub HH Metered		0	8.344	0.449	0.112	3.21	2.45	0.301	2.45
LDNO HVplus: HV HH Metered		0	7.254	0.337	0.086	54.34	2.10	0.241	2.10
LDNO HVplus: NHH UMS category A		8	0.642						
LDNO HVplus: NHH UMS category B		1	0.872						
LDNO HVplus: NHH UMS category C		1	1.512						
LDNO HVplus: NHH UMS category D		1	0.471						
LDNO HVplus: LV UMS (Pseudo HH Metered)		0	11.838	0.457	0.167				
LDNO HVplus: LV Generation NHH		8	-0.581			0.00			
LDNO HVplus: LV Sub Generation NHH		8	-0.583			0.00			
LDNO HVplus: LV Generation Intermittent		0	-0.581			0.00		0.173	
LDNO HVplus: LV Generation Non-Intermittent		0	-4.101	-0.450	-0.074	0.00		0.173	
LDNO HVplus: LV Sub Generation Intermittent		0	-0.583			0.00		0.180	
LDNO HVplus: LV Sub Generation Non-Intermittent		0	-4.183	-0.436	-0.075	0.00		0.180	
LDNO HVplus: HV Generation Intermittent		0	-0.694			72.68		0.251	
LDNO HVplus: HV Generation Non-Intermittent		0	-5.521	-0.388	-0.095	72.68		0.251	
LDNO EHV: Domestic Unrestricted		1	0.940			0.85			
LDNO EHV: Domestic Two Rate		2	1.115	0.113		0.85			
LDNO EHV: Domestic Off Peak (related MPAN)		2	0.106						
LDNO EHV: Small Non Domestic Unrestricted		3	0.794			1.09			
LDNO EHV: Small Non Domestic Two Rate		4	0.912	0.073		1.09			
LDNO EHV: Small Non Domestic Off Peak (related MPAN)		4	0.083						
LDNO EHV: LV Medium Non-Domestic		5-8	0.902	0.066		4.73			
LDNO EHV: LV Sub Medium Non-Domestic		5-8	1.282	0.094		9.30			
LDNO EHV: HV Medium Non-Domestic		5-8	1.098	0.075		72.35			
LDNO EHV: LV HH Metered		0	4.290	0.290	0.059	4.25	0.55	0.174	0.55
LDNO EHV: LV Sub HH Metered		0	6.027	0.324	0.081	2.32	1.77	0.218	1.77
LDNO EHV: HV HH Metered		0	5.240	0.244	0.062	39.25	1.52	0.174	1.52
LDNO EHV: NHH UMS category A		8	0.463						
LDNO EHV: NHH UMS category B		1	0.630						
LDNO EHV: NHH UMS category C		1	1.092						
LDNO EHV: NHH UMS category D		1	0.340						
LDNO EHV: LV UMS (Pseudo HH Metered)		0	8.551	0.330	0.121				
LDNO EHV: LV Generation NHH		8	-0.419			0.00			
LDNO EHV: LV Sub Generation NHH		8	-0.421			0.00			
LDNO EHV: LV Generation Intermittent		0	-0.419			0.00		0.125	
LDNO EHV: LV Generation Non-Intermittent		0	-2.963	-0.325	-0.053	0.00		0.125	
LDNO EHV: LV Sub Generation Intermittent		0	-0.421			0.00		0.130	
LDNO EHV: LV Sub Generation Non-Intermittent		0	-3.022	-0.315	-0.054	0.00		0.130	
LDNO EHV: HV Generation Intermittent		0	-0.501			52.50		0.181	
LDNO EHV: HV Generation Non-Intermittent		0	-3.988	-0.280	-0.069	52.50		0.181	
LDNO 132kV/EHV: Domestic Unrestricted		1	0.692			0.63			
LDNO 132kV/EHV: Domestic Two Rate		2	0.821	0.083		0.63			
LDNO 132kV/EHV: Domestic Off Peak (related MPAN)		2	0.078						
LDNO 132kV/EHV: Small Non Domestic Unrestricted		3	0.585			0.80			
LDNO 132kV/EHV: Small Non Domestic Two Rate		4	0.672	0.054		0.80			
LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN)		4	0.061						
LDNO 132kV/EHV: LV Medium Non-Domestic		5-8	0.664	0.049		3.48			
LDNO 132kV/EHV: LV Sub Medium Non-Domestic		5-8	0.944	0.069		6.85			
LDNO 132kV/EHV: HV Medium Non-Domestic		5-8	0.809	0.055		53.28			
LDNO 132kV/EHV: LV HH Metered		0	3.159	0.214	0.043	3.13	0.41	0.128	0.41
LDNO 132kV/EHV: LV Sub HH Metered		0	4.438	0.239	0.060	1.71	1.30	0.160	1.30
LDNO 132kV/EHV: HV HH Metered		0	3.859	0.179	0.046	28.90	1.12	0.128	1.12

LDNO 132kV/EHV: NHH UMS category A		8	0.341						
LDNO 132kV/EHV: NHH UMS category B		1	0.464						
LDNO 132kV/EHV: NHH UMS category C		1	0.804						
LDNO 132kV/EHV: NHH UMS category D		1	0.250						
LDNO 132kV/EHV: LV UMS (Pseudo HH Metered)		0	6.297	0.243	0.089				
LDNO 132kV/EHV: LV Generation NHH		8	-0.309			0.00			
LDNO 132kV/EHV: LV Sub Generation NHH		8	-0.310			0.00			
LDNO 132kV/EHV: LV Generation Intermittent		0	-0.309			0.00		0.092	
LDNO 132kV/EHV: LV Generation Non-Intermittent		0	-2.181	-0.239	-0.039	0.00		0.092	
LDNO 132kV/EHV: LV Sub Generation Intermittent		0	-0.310			0.00		0.096	
LDNO 132kV/EHV: LV Sub Generation Non-Intermittent		0	-2.225	-0.232	-0.040	0.00		0.096	
LDNO 132kV/EHV: HV Generation Intermittent		0	-0.369			38.66		0.134	
LDNO 132kV/EHV: HV Generation Non-Intermittent		0	-2.937	-0.206	-0.051	38.66		0.134	
LDNO 132kV: Domestic Unrestricted		1	0.316			0.29			
LDNO 132kV: Domestic Two Rate		2	0.375	0.038		0.29			
LDNO 132kV: Domestic Off Peak (related MPAN)		2	0.035						
LDNO 132kV: Small Non Domestic Unrestricted		3	0.267			0.37			
LDNO 132kV: Small Non Domestic Two Rate		4	0.307	0.025		0.37			
LDNO 132kV: Small Non Domestic Off Peak (related MPAN)		4	0.028						
LDNO 132kV: LV Medium Non-Domestic		5-8	0.303	0.022		1.59			
LDNO 132kV: LV Sub Medium Non-Domestic		5-8	0.431	0.032		3.13			
LDNO 132kV: HV Medium Non-Domestic		5-8	0.369	0.025		24.33			
LDNO 132kV: LV HH Metered		0	1.442	0.098	0.020	1.43	0.19	0.059	0.19
LDNO 132kV: LV Sub HH Metered		0	2.027	0.109	0.027	0.78	0.60	0.073	0.60
LDNO 132kV: HV HH Metered		0	1.762	0.082	0.021	13.20	0.51	0.058	0.51
LDNO 132kV: NHH UMS category A		8	0.156						
LDNO 132kV: NHH UMS category B		1	0.212						
LDNO 132kV: NHH UMS category C		1	0.367						
LDNO 132kV: NHH UMS category D		1	0.114						
LDNO 132kV: LV UMS (Pseudo HH Metered)		0	2.875	0.111	0.041				
LDNO 132kV: LV Generation NHH		8	-0.141			0.00			
LDNO 132kV: LV Sub Generation NHH		8	-0.142			0.00			
LDNO 132kV: LV Generation Intermittent		0	-0.141			0.00		0.042	
LDNO 132kV: LV Generation Non-Intermittent		0	-0.996	-0.109	-0.018	0.00		0.042	
LDNO 132kV: LV Sub Generation Intermittent		0	-0.142			0.00		0.044	
LDNO 132kV: LV Sub Generation Non-Intermittent		0	-1.016	-0.106	-0.018	0.00		0.044	
LDNO 132kV: HV Generation Intermittent		0	-0.169			17.65		0.061	
LDNO 132kV: HV Generation Non-Intermittent		0	-1.341	-0.094	-0.023	17.65		0.061	
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
Tai Moelion	1.016	1.019	1.021	1.023	848
Braich Ddu	1.017	1.007	1.078	1.013	849
BWSC A/S (Eddie Stobart)	1.016	1.019	1.021	1.023	850
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
Seaforth Liverpool Dock 2	1.004	1.005	1.006	1.007	857
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
Llangwyryfon	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
Airbus UK Ltd (33kV)	1.016	1.019	1.021	1.023	899
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

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
Tai Moelion	1.012	1.013	1.014	1.015	651
BWSC A/S (Eddie Stobart)	1.012	1.013	1.014	1.015	652
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
Llangwyryfon	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 Dyli PS	0.974	0.990	0.999	0.989	MSID 4054
Dolgarrog PS	0.984	0.990	0.986	0.991	MSID 4532 / 4533
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