WESTERN POWER DISTRIBUTION

Serving the Midlands, South West and Wales

Western Power Distribution

(West Midlands) plc

Use of System Charging Statement

FINAL NOTICE

Effective from 1st April 2014

Version 7.8

Version Control

Version	Date	Description of version and any changes made
v7.8	December 2013	Final

Contents

1. Introduction

1.1. This statement has been prepared in order to discharge Western Power Distribution (West Midlands) plc's (hereafter referred to as WPD) 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. 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 www.westernpower.co.uk.

1.5. If you have any questions about this statement please contact us at this address:

WPD Income and Connections
Western Power Distribution
Avonbank
Feeder Rd
Bristol
BS2 0TB
Email : wpdpricing@westernpower.co.uk

[1] Charges can be positive or negative.

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

Connection Policy Engineer
Western Power Distribution
Avonbank
Feeder Rd
Bristol
BS2 0TB
Email : wpdpricing@westernpower.co.uk

1.7. For all other queries please contact our general enquiries telephone number: 0845 724 0240, lines are open 08:00 to 18:00 Monday to Friday

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 WPD is transporting electricity through its Distribution System. Invoices are reconciled, over a period of approximately 28 months, to ensure the cash positions of Users and WPD 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 WPD. 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. WPD does not apply a default tariff for invalid combinations.

- For all two rate NHH MPANs night is defined as 00.30 to 07.30 hours.

2.11. 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 WPD 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.

2.15. 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] 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] WPD MIDE - Schedule of charges and other tables – Version 10.7.xlsx

2.16. All LLFCs are assigned at the sole discretion of WPD. Where an incorrectly applied LLFC is identified, WPD 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[5] and where operated in accordance with BSCP520[6].

2.21. Fixed charges are generally levied on a pence per MPAN per day or pence per MSID per day basis. Where two or more HH MPANs are located at the same point of connection (as identified in the connection agreement), with the same LLFC, and registered to the same Supplier, only one daily fixed charge will be applied.

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.

[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

2.23. 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. WPD 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. WPD 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. WPD 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 WPD 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 WPD 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. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.

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. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.

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

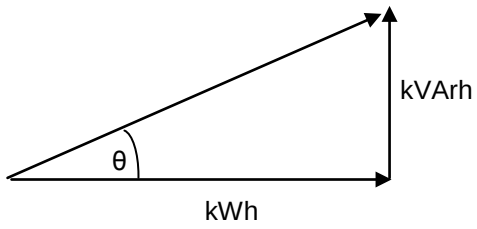
2.38. There is no minimum capacity threshold.

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. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.

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. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.

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 WPD 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 WPD 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 WPD shall be consistent with that received through the metering equipment installed. Metering data shall be provided in an electronic format specified by WPD 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 DNO). The data shall be emailed to wpdduos@westernpower.co.uk.

2.51. WPD 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. WPD reserves the right to levy a charge on Users who fail to provide such reactive data.

Out of area Use of System Charges

2.52. WPD 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 WPD's 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. WPD does not apply a default tariff for invalid combinations.

- For all two rate NHH MPANs night is defined as 00.30 to 07.30 hours.

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.

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.westernpower.co.uk.

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 WPD'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 WPD 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[7] 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 FCP 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. WPD MIDE - Schedule of charges and other tables – Version 10.7.xlsx.

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 WPD'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, WPD 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 revised ' Schedule of charges and other table' spreadsheet on www.westernpower.co.uk. The modified Designated EHV property charges will be added to Annex 2 in the next full statement released.

Demand-side management

5.8. WPD's Demand Side Management approach is as follows:

- All EDCM Customers will be entitled to enter into a Demand Side Management Contract
- WPD may, at its sole discretion approach specific Customers, aggregators or Suppliers to provide a range of demand side responses in specific locations based on network needs. These agreements may be for pre or post fault arrangements. It is at WPD's sole discretion whether to offer post-fault Demand Side Management agreements.
- Payments accrued by a Customer who enters into a Demand Side Management agreement will be reflected in their Distribution Use of System Charges to their Supplier. Payments may be subject to reduction if the Customer fails to deliver demand reductions in accordance with the agreement
- The minimum demand reduction capacity a Customer can offer is 25% of its Maximum Import Capacity.

5.9. Requests for Demand Side Management agreements should be sent to the Income and Connections Manager at the address shown in paragraph 1.5.

6. Electricity distribution rebates

6.1. WPD 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

Administration charge

7.1. Where a User has failed to settle a DUoS invoice or notify WPD of a bona fide dispute, in accordance with the DCUSA an account review charge may be made in accordance with the Late Payment of Commercial Debts regulations 2002 to cover the associated credit control, administration, invoicing and collection costs. This is in addition to the interest charge that will be made in accordance with clause 23.3 of the Distribution Connection and Use of System Agreement (DCUSA)

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

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.

Term	Definition
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.
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

Western Power Distribution (West Midlands) plc - 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	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
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 Nov to Feb	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Monday to Friday Mar to Oct		07:30 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
Notes	All the above times are in UK Clock time		

	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	**1**	**1**	**2.356**			**2.27**				**2, 3**
Domestic Two Rate	**4**	**2**	**2.676**	**0.083**		**2.27**				**5, 6, 30**
Domestic Off Peak (related MPAN)	**34**	**2**	**0.181**							**35, 36**
Small Non Domestic Unrestricted	**7**	**3**	**1.968**			**6.21**				**8, 9, 13, 14, 15, 46, 47, 49, 107, 108, 109**
Small Non Domestic Two Rate	**10**	**4**	**2.282**	**0.074**		**6.21**				**11, 12, 110, 111, 112**
Small Non Domestic Off Peak (related MPAN)	**40**	**4**	**0.318**							**41, 42**
LV Medium Non-Domestic	**21**	**5-8**	**2.222**	**0.070**		**33.00**				**20, 22, 25, 26, 27**
LV Sub Medium Non-Domestic	19	**5-8**	**2.171**	**0.061**		**36.55**				
LV HH Metered	**127, 129**	**0**	**11.070**	**0.593**	**0.049**	**8.70**	**3.23**	**0.393**	**3.23**	
LV Sub HH Metered	**128**	**0**	**9.328**	**0.464**	**0.028**	**6.39**	**4.10**	**0.320**	**4.10**	
HV HH Metered	**365, 367**	**0**	**6.852**	**0.302**	**0.015**	**65.10**	**4.57**	**0.212**	**4.57**	

	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
NHH UMS category A	95	8	2.021							
NHH UMS category B	96	1	2.624							
NHH UMS category C	97	1	4.401							
NHH UMS category D	98	1	1.577							
LV UMS (Pseudo HH Metered)	99	0	39.298	1.217	0.671					
LV Generation NHH	625	8	-0.625							
LV Sub Generation NHH	570	8	-0.516							
LV Generation Intermittent	571	0	-0.625					0.259		
LV Generation Non-Intermittent	573	0	-5.217	-0.417	-0.047			0.259		
LV Sub Generation Intermittent	572	0	-0.516					0.228		
LV Sub Generation Non-Intermittent	574	0	-4.317	-0.347	-0.036			0.228		
HV Generation Intermittent	575	0	-0.314			31.99		0.186		
HV Generation Non-Intermittent	577	0	-2.653	-0.217	-0.015	31.99		0.186		

Annex 2 - Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Indicative EDCM charges

Time Periods for Designated EHV Properties	
Time periods	**Super Red Time Band**
Monday to Friday Nov to Feb	16:00 and 19:00
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)
0234	0234	0234				Cellarhead Whitfield Interconnector	0.000	0.00	3.87	3.87	0.000	0.00	0.00	0.00
702	702	1423197100003	703	703	1430000005417	Tyseley Waste	0.000	199.12	1.21	1.21	0.000	0.00	0.00	0.00
704	704	1423674500009				Takao Europe	0.000	292.97	2.06	2.06	0.000	0.00	0.00	0.00
705	705	1470000097947	750	750	1470000097965	Four Ashes Incinerator	0.000	127.39	1.87	1.87	-0.407	647.06	0.09	0.09
706	706	1470000077913	751	751	1470000077950	Witches Farm Solar	0.000	12.37	1.24	1.24	0.000	437.20	0.09	0.09
707	707	1430000001342, 1430000001351	708	708	1430000001370, 1430000001360	Uni of Birmingham	0.000	3321.41	3.05	3.05	0.000	0.00	0.00	0.00
709	709	1426644200003				Severn Trent Water (Wyelands)	0.000	3842.37	1.93	1.93	0.000	0.00	0.00	0.00
710	710	1425993500002	732	732	1424993500000	Wolverhampton Waste Services	0.000	270.96	1.33	1.33	0.000	0.00	0.00	0.00
711	711	1421696500001, 1430000000906	733	733	1430000000915, 1430000000924	Stoke CHP	0.871	217.53	1.81	1.81	0.000	0.00	0.00	0.00
712	712	1428483000001, 1429586500003				WBB Minerals	0.797	480.72	2.38	2.38	0.000	0.00	0.00	0.00
713	713	1422804000005				Cauldon Cement	0.856	346.94	3.55	3.55	0.000	0.00	0.00	0.00
714	714	1412791203000				Abson Gas Compressor Station	0.000	37.39	1.11	1.11	0.000	0.00	0.00	0.00
715	715	1422108000000, 1421108000009				Ervin Amasteel	0.000	2489.69	3.06	3.06	0.000	0.00	0.00	0.00
716	716	1426793500003	734	734	1425793500001	Hanford Waste Services	0.924	28.80	1.47	1.47	0.000	0.00	0.00	0.00
717	717	1422664500000, 1425861000001	735	735	1430000033051, 1430000033060	NR Kidsgrove	0.781	9652.37	2.70	2.70	0.000	0.00	0.00	0.00
718	718	1421664500008, 1426342000002	736	736	1430000033103, 1430000033098	NR Stafford	0.000	4710.72	4.86	4.86	0.000	0.00	0.00	0.00
719	719	1423124100000, 1428564500005	741	741	1430000033070, 1430000044090	NR Washwood Heath	0.000	5033.67	2.64	2.64	0.000	0.00	0.00	0.00
720	720	1420286500000	737	737	1430000033121	NR Winson Green	0.000	2308.63	4.43	4.43	0.000	0.00	0.00	0.00
721	721	1423566000006	738	738	1430000033089	NR Smethwick	0.000	11264.89	1.35	1.35	0.000	0.00	0.00	0.00
722	722	1424136000004	739	739	1430000033112	NR Willenhall	0.000	3280.67	1.54	1.54	0.000	0.00	0.00	0.00
723	723	1460002083346	748	748	1460002083355	Northwick	0.000	0.00	1.06	1.06	0.000	0.00	0.09	0.09
724	724	1430000027786, 1430000027795 1430000027800 1430000027810 1430000027829 1430000027838 1430000027847 1430000027856				Inco Alloys	0.000	445.25	6.08	6.08	0.000	0.00	0.00	0.00
725	725	1460002258662	749	749	1460002258671	Swancote	0.000	24.48	1.09	1.09	0.000	520.25	0.09	0.09
726	726	1460002256025	752	752	1460002256034	Spring Hill Solar generation	0.000	0.00	1.34	1.34	0.000	0.00	0.09	0.09
727	727	1460001869731, 1460001869750				NG Wormington Gas Compressor	0.000	2509.27	2.89	2.89	0.000	0.00	0.00	0.00
728	728	1470000086156	753	753	1470000086147	Greenfrog STOR generation	0.000	0.00	1.07	1.07	0.000	0.00	0.09	0.09
729	729	1470000223432	754	754	1470000223441	Union Road	0.000	407.07	1.58	1.58	0.000	1424.76	0.09	0.09
730	730	1423464500000, 1429264500000	731	731	1422464500009, 1421464500007	Quatt	0.000	94.19	4.72	4.72	0.000	0.00	0.00	0.00
740	740	1425886500002	746	746	1426886500004	Knypersley	0.997	0.28	5.08	5.08	0.000	0.00	0.00	0.00
742	742	1429414500005				Simplex	0.000	111.31	8.80	8.80	0.000	0.00	0.00	0.00
743	743	1470000174885				Northwick STOR sub supply	0.000	0.00	4.87	4.87	0.000	0.00	0.00	0.00
744	744	1428882200005				Star Aluminium	0.000	1936.49	2.20	2.20	0.000	0.00	0.00	0.00
747	747	1422949000004				Goodyear	0.347	2991.81	3.42	3.42	0.000	0.00	0.00	0.00
770	770	1470000190520	755	755	1470000190530	Battlefield Incinerator	0.000	82.65	1.85	1.85	0.000	572.67	0.09	0.09
771	771	1470000275547	756	756	1470000275556	Says Court Farm PV	0.000	0.74	1.24	1.24	0.000	552.69	0.09	0.09
785	785	1470000174928	805	805	1470000174900	5 Mile Drive Solar Park	0.000	0.00	1.16	1.16	0.000	0.00	0.09	0.09
800	800		7070	7070	7070	Heartlands Power Ltd / Fort Dunlop	0.000	8.92	1.37	1.37	0.000	0.00	0.00	0.00
2226	2226	2226				Cellarhead Barlaston (Meaford) Interconnector	0.000	0.00	3.91	3.91	0.000	0.00	0.00	0.00
New Import 1	New Import 1	New Import 1	New Export 1	New Export 1	New Export 1	Condover PV / Condover Solar Park	0.000	18.99	1.37	1.37	0.000	2373.68	0.09	0.09

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 2 - Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

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)
New Import 2	New Import 2	New Import 2	New Export 2	New Export 2	New Export 2	Hadleigh Park STOR	0.631	1.94	1.96	1.96	-0.808	387.90	0.09	0.09
772	772	1470000283681	757	757	1470000283690	Hayford Farm Solar Park	0.000	3.71	1.24	1.24	0.000	557.04	0.09	0.09
			745	745	1430000021836	Redditch Gas Turbine	0.000	0.00	0.00	0.00	0.000	0.00	0.00	0.00
New Import 4	New Import 4	New Import 4	New Export 4	New Export 4	New Export 4	Rotherdale Solar Farm	0.000	10.80	1.16	1.16	0.000	539.92	0.09	0.09
New Import 5	New Import 5	New Import 5	New Export 5	New Export 5	New Export 5	Sundorne Solar Park	0.000	0.45	1.01	1.01	0.000	255.87	0.09	0.09
New Import 6	New Import 6	New Import 6	New Export 6	New Export 6	New Export 6	Troughton Solar Park	0.000	4.31	1.18	1.18	0.000	1795.17	0.09	0.09

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 2a - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Final EDCM import charges

Time Periods for Designated EHV Properties	
Time periods	**Super Red Time Band**
Monday to Friday Nov to Feb	16:00 and 19:00
Notes	All the above times are in UK Clock time

Import Unique Identifier	LLFC	Import 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)
0234	0234	0234	Cellarhead Whitfield Interconnector			3.87	3.87
702	702	1423197100003	Tyseley Waste		199.12	1.21	1.21
704	704	1423674500009	Takao Europe		292.97	2.06	2.06
705	705	1470000097947	Four Ashes Incinerator		127.39	1.87	1.87
706	706	1470000077913	Witches Farm Solar		12.37	1.24	1.24
707	707	1430000001342, 1430000001351	Uni of Birmingham		3,321.41	3.05	3.05
709	709	1426644200003	Severn Trent Water (Wyelands)		3,842.37	1.93	1.93
710	710	1425993500002	Wolverhampton Waste Services		270.96	1.33	1.33
711	711	1421696500001, 1430000000906	Stoke CHP	0.871	217.53	1.81	1.81
712	712	1428483000001, 1429586500003	WBB Minerals	0.797	480.72	2.38	2.38
713	713	1422804000005	Cauldon Cement	0.856	346.94	3.55	3.55
714	714	1412791203000	Abson Gas Compressor Station		37.39	1.11	1.11
715	715	1422108000000, 1421108000009	Ervin Amasteel		2,489.69	3.06	3.06
716	716	1426793500003	Hanford Waste Services	0.924	28.80	1.47	1.47
717	717	1422664500000, 1425861000001	NR Kidsgrove	0.781	9,652.37	2.70	2.70
718	718	1421664500008, 1426342000002	NR Stafford		4,710.72	4.86	4.86
719	719	1423124100000, 1428564500005	NR Washwood Heath		5,033.67	2.64	2.64
720	720	1420286500000	NR Winson Green		2,308.63	4.43	4.43

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 2a - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Import Unique Identifier	LLFC	Import 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)
721	721	1423566000006	NR Smethwick		11,264.89	1.35	1.35
722	722	1424136000004	NR Willenhall		3,280.67	1.54	1.54
723	723	1460002083346	Northwick			1.06	1.06
724	724	1430000027786, 1430000027795 1430000027800 1430000027810 1430000027829 1430000027838 1430000027847 1430000027856	Inco Alloys		445.25	6.08	6.08
725	725	1460002258662	Swancote		24.48	1.09	1.09
726	726	1460002256025	Spring Hill Solar generation			1.34	1.34
727	727	1460001869731, 1460001869750	NG Wormington Gas Compressor		2,509.27	2.89	2.89
728	728	1470000086156	Greenfrog STOR generation			1.07	1.07
729	729	1470000223432	Union Road		407.07	1.58	1.58
730	730	1423464500000, 1429264500000	Quatt		94.19	4.72	4.72
740	740	1425886500002	Knypersley	0.997	0.28	5.08	5.08
742	742	1429414500005	Simplex		111.31	8.80	8.80
743	743	1470000174885	Northwick STOR sub supply			4.87	4.87
744	744	1428882200005	Star Aluminium		1,936.49	2.20	2.20
747	747	1422949000004	Goodyear	0.347	2,991.81	3.42	3.42
770	770	1470000190520	Battlefield Incinerator		82.65	1.85	1.85
771	771	1470000275547	Says Court Farm PV		0.74	1.24	1.24
785	785	1470000174928	5 Mile Drive Solar Park			1.16	1.16
800	800	0	Heartlands Power Ltd / Fort Dunlop		8.92	1.37	1.37
2226	2226	2226	Cellarhead Barlaston (Meaford) Interconnector			3.91	3.91
New Import 1	New Import 1	New Import 1	Condover PV / Condover Solar Park		18.99	1.37	1.37
New Import 2	New Import 2	New Import 2	Hadleigh Park STOR	0.631	1.94	1.96	1.96
772	772	1470000283681	Hayford Farm Solar Park		3.71	1.24	1.24
New Import 4	New Import 4	New Import 4	Rotherdale Solar Farm		10.80	1.16	1.16
New Import 5	New Import 5	New Import 5	Sundorne Solar Park		0.45	1.01	1.01
New Import 6	New Import 6	New Import 6	Troughton Solar Park		4.31	1.18	1.18

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 2b - Schedule of Export Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Final EDCM export charges

Time Periods for Designated EHV Properties	
Time periods	**Super Red Time Band**
Monday to Friday Nov to Feb	16:00 and 19:00
Notes	All the above times are in UK Clock time

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	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)
703	703	1430000005417	Tyseley Waste				
750	750	1470000097965	Four Ashes Incinerator	-0.407	647.06	0.09	0.09
751	751	1470000077950	Witches Farm Solar		437.20	0.09	0.09
708	708	1430000001370, 1430000001360	Uni of Birmingham				
732	732	1424993500000	Wolverhampton Waste Services				
733	733	1430000000915, 1430000000924	Stoke CHP				
734	734	1425793500001	Hanford Waste Services				
735	735	1430000033051, 1430000033060	NR Kidsgrove				
736	736	1430000033103, 1430000033098	NR Stafford				
741	741	1430000033070, 1430000044090	NR Washwood Heath				
737	737	1430000033121	NR Winson Green				
738	738	1430000033089	NR Smethwick				
739	739	1430000033112	NR Willenhall				
748	748	1460002083355	Northwick			0.09	0.09
749	749	1460002258671	Swancote		520.25	0.09	0.09
752	752	1460002256034	Spring Hill Solar generation			0.09	0.09
753	753	1470000086147	Greenfrog STOR generation			0.09	0.09
754	754	1470000223441	Union Road		1,424.76	0.09	0.09
731	731	1422464500009, 1421464500007	Quatt				

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 2b - Schedule of Export Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	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)
746	746	1426886500004	Knypersley				
755	755	1470000190530	Battlefield Incinerator		572.67	0.09	0.09
756	756	1470000275556	Says Court Farm PV		552.69	0.09	0.09
805	805	1470000174900	5 Mile Drive Solar Park			0.09	0.09
7070	7070	7070	Heartlands Power Ltd / Fort Dunlop				
New Export 1	New Export 1	New Export 1	Condover PV / Condover Solar Park		2,373.68	0.09	0.09
New Export 2	New Export 2	New Export 2	Hadleigh Park STOR	-0.808	387.90	0.09	0.09
757	757	1470000283690	Hayford Farm Solar Park		557.04	0.09	0.09
745	745	1430000021836	Redditch Gas Turbine				
New Export 4	New Export 4	New Export 4	Rotherdale Solar Farm		539.92	0.09	0.09
New Export 5	New Export 5	New Export 5	Sundorne Solar Park		255.87	0.09	0.09
New Export 6	New Export 6	New Export 6	Troughton Solar Park		1,795.17	0.09	0.09

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Western Power Distribution (West Midlands) plc - 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**			
HV Medium Non-Domestic	322, 323	**5-8**	**1.265**	**0.017**		**294.14**			
Notes:	Refer to main text in LC14 Statement Of Charges								

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**
		0							.
Notes:									

Western Power Distribution (West Midlands) plc - 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	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
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 Nov to Feb	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Monday to Friday Mar to Oct		07:30 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
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	200	1	1.620			1.13			
LDNO LV: Domestic Two Rate	201	2	1.840	0.057		1.13			
LDNO LV: Domestic Off Peak (related MPAN)	202	2	0.124						
LDNO LV: Small Non Domestic Unrestricted	203	3	1.353			4.27			
LDNO LV: Small Non Domestic Two Rate	204	4	1.569	0.051		4.27			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	205	4	0.219						
LDNO LV: LV Medium Non-Domestic	206	5-8	1.528	0.048		22.69			
LDNO LV: LV HH Metered	207	0	7.611	0.408	0.034	5.98	2.22	0.270	2.22
LDNO LV: NHH UMS category A	TBC	8	1.389						
LDNO LV: NHH UMS category B	TBC	1	1.804						
LDNO LV: NHH UMS category C	TBC	1	3.026						
LDNO LV: NHH UMS category D	TBC	1	1.084						
LDNO LV: LV UMS (Pseudo HH Metered)	209	0	27.018	0.837	0.461				
LDNO LV: LV Generation NHH	210	8	-0.625						
LDNO LV: LV Generation Intermittent	211	0	-0.625					0.259	
LDNO LV: LV Generation Non-Intermittent	212	0	-5.217	-0.417	-0.047			0.259	

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

	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 HV: Domestic Unrestricted	213	1	1.113			0.35			
LDNO HV: Domestic Two Rate	214	2	1.264	0.039		0.35			
LDNO HV: Domestic Off Peak (related MPAN)	215	2	0.086						
LDNO HV: Small Non Domestic Unrestricted	216	3	0.930			2.93			
LDNO HV: Small Non Domestic Two Rate	217	4	1.078	0.035		2.93			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	218	4	0.150						
LDNO HV: LV Medium Non-Domestic	219	5-8	1.050	0.033		15.59			
LDNO HV: LV HH Metered	220	0	5.231	0.280	0.023	4.11	1.53	0.186	1.53
LDNO HV: LV Sub HH Metered	221	0	6.622	0.329	0.020	4.54	2.91	0.227	2.91
LDNO HV: HV HH Metered	222	0	5.542	0.244	0.012	52.66	3.70	0.171	3.70
LDNO HV: NHH UMS category A	TBC	8	0.955						
LDNO HV: NHH UMS category B	TBC	1	1.240						
LDNO HV: NHH UMS category C	TBC	1	2.080						
LDNO HV: NHH UMS category D	TBC	1	0.745						
LDNO HV: LV UMS (Pseudo HH Metered)	224	0	18.570	0.575	0.317				
LDNO HV: LV Generation NHH	225	8	-0.625						
LDNO HV: LV Sub Generation NHH	226	8	-0.516						
LDNO HV: LV Generation Intermittent	227	0	-0.625					0.259	
LDNO HV: LV Generation Non-Intermittent	228	0	-5.217	-0.417	-0.047			0.259	
LDNO HV: LV Sub Generation Intermittent	229	0	-0.516					0.228	
LDNO HV: LV Sub Generation Non-Intermittent	230	0	-4.317	-0.347	-0.036			0.228	
LDNO HV: HV Generation Intermittent	231	0	-0.314					0.186	
LDNO HV: HV Generation Non-Intermittent	232	0	-2.653	-0.217	-0.015			0.186	

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

	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 HVplus: Domestic Unrestricted		1	0.992			0.16			
LDNO HVplus: Domestic Two Rate		2	1.127	0.035		0.16			
LDNO HVplus: Domestic Off Peak (related MPAN)		2	0.076						
LDNO HVplus: Small Non Domestic Unrestricted		3	0.829			2.61			
LDNO HVplus: Small Non Domestic Two Rate		4	0.961	0.031		2.61			
LDNO HVplus: Small Non Domestic Off Peak (related MPAN)		4	0.134						
LDNO HVplus: LV Medium Non-Domestic		5-8	0.936	0.029		13.90			
LDNO HVplus: LV Sub Medium Non-Domestic		5-8	1.366	0.038		22.99			
LDNO HVplus: HV Medium Non-Domestic		5-8	0.904	0.012		210.31			
LDNO HVplus: LV HH Metered		0	4.661	0.250	0.021	3.66	1.36	0.165	1.36
LDNO HVplus: LV Sub HH Metered		0	5.867	0.292	0.018	4.02	2.58	0.201	2.58
LDNO HVplus: HV HH Metered		0	4.899	0.216	0.011	46.55	3.27	0.152	3.27
LDNO HVplus: NHH UMS category A		8	0.851						
LDNO HVplus: NHH UMS category B		1	1.105						
LDNO HVplus: NHH UMS category C		1	1.853						
LDNO HVplus: NHH UMS category D		1	0.664						
LDNO HVplus: LV UMS (Pseudo HH Metered)		0	16.547	0.512	0.283				
LDNO HVplus: LV Generation NHH		8	-0.393			0.00			
LDNO HVplus: LV Sub Generation NHH		8	-0.369			0.00			
LDNO HVplus: LV Generation Intermittent		0	-0.393			0.00		0.163	
LDNO HVplus: LV Generation Non-Intermittent		0	-3.281	-0.262	-0.030	0.00		0.163	
LDNO HVplus: LV Sub Generation Intermittent		0	-0.369			0.00		0.163	
LDNO HVplus: LV Sub Generation Non-Intermittent		0	-3.087	-0.248	-0.026	0.00		0.163	
LDNO HVplus: HV Generation Intermittent		0	-0.314			31.99		0.186	
LDNO HVplus: HV Generation Non-Intermittent		0	-2.653	-0.217	-0.015	31.99		0.186	

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

	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 EHV: Domestic Unrestricted		1	0.802			-0.13			
LDNO EHV: Domestic Two Rate		2	0.911	0.028		-0.13			
LDNO EHV: Domestic Off Peak (related MPAN)		2	0.062						
LDNO EHV: Small Non Domestic Unrestricted		3	0.670			2.11			
LDNO EHV: Small Non Domestic Two Rate		4	0.777	0.025		2.11			
LDNO EHV: Small Non Domestic Off Peak (related MPAN)		4	0.108						
LDNO EHV: LV Medium Non-Domestic		5-8	0.756	0.024		11.23			
LDNO EHV: LV Sub Medium Non-Domestic		5-8	1.104	0.031		18.59			
LDNO EHV: HV Medium Non-Domestic		5-8	0.731	0.010		170.04			
LDNO EHV: LV HH Metered		0	3.769	0.202	0.017	2.96	1.10	0.134	1.10
LDNO EHV: LV Sub HH Metered		0	4.744	0.236	0.014	3.25	2.09	0.163	2.09
LDNO EHV: HV HH Metered		0	3.961	0.175	0.009	37.63	2.64	0.123	2.64
LDNO EHV: NHH UMS category A		8	0.688						
LDNO EHV: NHH UMS category B		1	0.893						
LDNO EHV: NHH UMS category C		1	1.498						
LDNO EHV: NHH UMS category D		1	0.537						
LDNO EHV: LV UMS (Pseudo HH Metered)		0	13.379	0.414	0.228				
LDNO EHV: LV Generation NHH		8	-0.318			0.00			
LDNO EHV: LV Sub Generation NHH		8	-0.298			0.00			
LDNO EHV: LV Generation Intermittent		0	-0.318			0.00		0.132	
LDNO EHV: LV Generation Non-Intermittent		0	-2.653	-0.212	-0.024	0.00		0.132	
LDNO EHV: LV Sub Generation Intermittent		0	-0.298			0.00		0.132	
LDNO EHV: LV Sub Generation Non-Intermittent		0	-2.496	-0.201	-0.021	0.00		0.132	
LDNO EHV: HV Generation Intermittent		0	-0.254			25.87		0.150	
LDNO EHV: HV Generation Non-Intermittent		0	-2.145	-0.175	-0.012	25.87		0.150	

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

	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 132kV/EHV: Domestic Unrestricted		1	0.768			-0.18			
LDNO 132kV/EHV: Domestic Two Rate		2	0.873	0.027		-0.18			
LDNO 132kV/EHV: Domestic Off Peak (related MPAN)		2	0.059						
LDNO 132kV/EHV: Small Non Domestic Unrestricted		3	0.642			2.03			
LDNO 132kV/EHV: Small Non Domestic Two Rate		4	0.744	0.024		2.03			
LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN)		4	0.104						
LDNO 132kV/EHV: LV Medium Non-Domestic		5-8	0.725	0.023		10.76			
LDNO 132kV/EHV: LV Sub Medium Non-Domestic		5-8	1.058	0.030		17.81			
LDNO 132kV/EHV: HV Medium Non-Domestic		5-8	0.701	0.009		162.91			
LDNO 132kV/EHV: LV HH Metered		0	3.611	0.193	0.016	2.84	1.05	0.128	1.05
LDNO 132kV/EHV: LV Sub HH Metered		0	4.545	0.226	0.014	3.11	2.00	0.156	2.00
LDNO 132kV/EHV: HV HH Metered		0	3.795	0.167	0.008	36.05	2.53	0.117	2.53
LDNO 132kV/EHV: NHH UMS category A		8	0.659						
LDNO 132kV/EHV: NHH UMS category B		1	0.856						
LDNO 132kV/EHV: NHH UMS category C		1	1.435						
LDNO 132kV/EHV: NHH UMS category D		1	0.514						
LDNO 132kV/EHV: LV UMS (Pseudo HH Metered)		0	12.817	0.397	0.219				
LDNO 132kV/EHV: LV Generation NHH		8	-0.305			0.00			
LDNO 132kV/EHV: LV Sub Generation NHH		8	-0.286			0.00			
LDNO 132kV/EHV: LV Generation Intermittent		0	-0.305			0.00		0.126	
LDNO 132kV/EHV: LV Generation Non-Intermittent		0	-2.542	-0.203	-0.023	0.00		0.126	
LDNO 132kV/EHV: LV Sub Generation Intermittent		0	-0.286			0.00		0.126	
LDNO 132kV/EHV: LV Sub Generation Non-Intermittent		0	-2.391	-0.192	-0.020	0.00		0.126	
LDNO 132kV/EHV: HV Generation Intermittent		0	-0.243			24.78		0.144	
LDNO 132kV/EHV: HV Generation Non-Intermittent		0	-2.055	-0.168	-0.012	24.78		0.144	

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

	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 132kV: Domestic Unrestricted		1	0.508			-0.58			
LDNO 132kV: Domestic Two Rate		2	0.578	0.018		-0.58			
LDNO 132kV: Domestic Off Peak (related MPAN)		2	0.039						
LDNO 132kV: Small Non Domestic Unrestricted		3	0.425			1.34			
LDNO 132kV: Small Non Domestic Two Rate		4	0.492	0.016		1.34			
LDNO 132kV: Small Non Domestic Off Peak (related MPAN)		4	0.069						
LDNO 132kV: LV Medium Non-Domestic		5-8	0.480	0.015		7.12			
LDNO 132kV: LV Sub Medium Non-Domestic		5-8	0.700	0.020		11.78			
LDNO 132kV: HV Medium Non-Domestic		5-8	0.464	0.006		107.79			
LDNO 132kV: LV HH Metered		0	2.389	0.128	0.011	1.88	0.70	0.085	0.70
LDNO 132kV: LV Sub HH Metered		0	3.007	0.150	0.009	2.06	1.32	0.103	1.32
LDNO 132kV: HV HH Metered		0	2.511	0.111	0.005	23.86	1.67	0.078	1.67
LDNO 132kV: NHH UMS category A		8	0.436						
LDNO 132kV: NHH UMS category B		1	0.566						
LDNO 132kV: NHH UMS category C		1	0.950						
LDNO 132kV: NHH UMS category D		1	0.340						
LDNO 132kV: LV UMS (Pseudo HH Metered)		0	8.481	0.263	0.145				
LDNO 132kV: LV Generation NHH		8	-0.201			0.00			
LDNO 132kV: LV Sub Generation NHH		8	-0.189			0.00			
LDNO 132kV: LV Generation Intermittent		0	-0.201			0.00		0.083	
LDNO 132kV: LV Generation Non-Intermittent		0	-1.682	-0.134	-0.015	0.00		0.083	
LDNO 132kV: LV Sub Generation Intermittent		0	-0.189			0.00		0.084	
LDNO 132kV: LV Sub Generation Non-Intermittent		0	-1.582	-0.127	-0.013	0.00		0.084	
LDNO 132kV: HV Generation Intermittent		0	-0.161			16.40		0.095	
LDNO 132kV: HV Generation Non-Intermittent		0	-1.360	-0.111	-0.008	16.40		0.095	

	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 0000: Domestic Unrestricted		1	0.107			-1.21			
LDNO 0000: Domestic Two Rate		2	0.121	0.004		-1.21			
LDNO 0000: Domestic Off Peak (related MPAN)		2	0.008						
LDNO 0000: Small Non Domestic Unrestricted		3	0.089			0.28			
LDNO 0000: Small Non Domestic Two Rate		4	0.103	0.003		0.28			
LDNO 0000: Small Non Domestic Off Peak (related MPAN)		4	0.014						
LDNO 0000: LV Medium Non-Domestic		5-8	0.100	0.003		1.49			
LDNO 0000: LV Sub Medium Non-Domestic		5-8	0.147	0.004		2.47			
LDNO 0000: HV Medium Non-Domestic		5-8	0.097	0.001		22.59			
LDNO 0000: LV HH Metered		0	0.501	0.027	0.002	0.39	0.15	0.018	0.15
LDNO 0000: LV Sub HH Metered		0	0.630	0.031	0.002	0.43	0.28	0.022	0.28
LDNO 0000: HV HH Metered		0	0.526	0.023	0.001	5.00	0.35	0.016	0.35
LDNO 0000: NHH UMS category A		8	0.091						
LDNO 0000: NHH UMS category B		1	0.119						
LDNO 0000: NHH UMS category C		1	0.199						
LDNO 0000: NHH UMS category D		1	0.071						
LDNO 0000: LV UMS (Pseudo HH Metered)		0	1.777	0.055	0.030				
LDNO 0000: LV Generation NHH		8	-0.042			0.00			
LDNO 0000: LV Sub Generation NHH		8	-0.040			0.00			
LDNO 0000: LV Generation Intermittent		0	-0.042			0.00		0.017	
LDNO 0000: LV Generation Non-Intermittent		0	-0.352	-0.028	-0.003	0.00		0.017	
LDNO 0000: LV Sub Generation Intermittent		0	-0.040			0.00		0.018	
LDNO 0000: LV Sub Generation Non-Intermittent		0	-0.332	-0.027	-0.003	0.00		0.018	
LDNO 0000: HV Generation Intermittent		0	-0.034			3.44		0.020	
LDNO 0000: HV Generation Non-Intermittent		0	-0.285	-0.023	-0.002	3.44		0.020	

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Final LLF Time Periods				
Time periods	**Period 1**	**Period 2**	**Period 3**	**Period 4**
	Peak	**Winter**	**Night**	**Other**
Monday to Friday Mar to Oct			00:30 – 07:30	07:30 – 00:30
Monday to Friday Nov to Feb	16:00 – 19:00	07:30 – 16:00 19:00 – 20:00	00:30 – 07:30	20:00 – 00:30
Saturday and Sunday All Year			00:30 – 07:30	07:30 – 00:30
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	1.094	1.083	1.057	1.070	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 21, 22, 24, 25, 26, 27, 30, 34, 35, 36, 40, 41, 42, 46, 47, 49, 85, 86, 87, 88, 95, 96, 97, 98, 99, 107, 108, 109, 110, 111, 112, 121, 124, 127, 129, 132, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 252,253,254,326, 571, 573, 625, 626,800.
Low Voltage Substation	1.054	1.050	1.036	1.042	19, 128, 570, 572, 574
High Voltage Network	1.043	1.040	1.029	1.034	23, 213,214,215,216,217, 218,219,220,221,222,223, 224,225,226,227,228,229, 230,231,232,249,250,251, 322,323,365,367,575,577
High Voltage Substation	1.027	1.025	1.020	1.022	N/A
33kV Generic	1.006	1.006	1.004	1.005	N/A
66kV Generic	1.006	1.006	1.004	1.005	N/A
132kV Generic	1.002	1.002	1.001	1.001	N/A

EHV site specific LLFs					
Demand					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Tyseley Waste Import	1.001	1.001	1.001	1.001	702
Takao Europe Import	1.024	1.017	1.013	1.017	704
Four Ashes Incinerator Import	1.006	1.006	1.004	1.005	705
Witches Farm Solar Import	1.006	1.006	1.004	1.005	706
Uni of Birmingham Import	1.003	1.003	1.001	1.002	707
South Staffs Water Import	1.101	1.075	1.048	1.051	709
Wolverhampton WS Import	1.001	1.001	1.000	1.000	710
Stoke CHP Import	1.001	1.003	1.002	1.002	711
WBB Minerals Import	1.027	1.029	1.015	1.023	712
Cauldon Cement Import	1.023	1.024	1.027	1.028	713
Abson Gas Compressor Import	1.017	1.018	1.015	1.019	714
Ervin Amasteel Import	1.002	1.002	1.002	1.002	715
Hanford Waste Services Import	1.004	1.007	1.008	1.008	716
NR Kidsgrove Import	1.015	1.014	1.008	1.012	717
NR Stafford Import	1.012	1.011	1.007	1.010	718
NR Nechells/Washwood Heath Import	1.002	1.002	1.002	1.002	719
NR Winson Green Import	1.002	1.002	1.001	1.001	720
NR Smethwick Import	1.000	1.000	1.000	1.000	721
NR Willenhall Import	1.001	1.001	1.001	1.001	722
Northwick Import	1.006	1.006	1.004	1.005	723
Inco Alloys Import	1.027	1.025	1.020	1.022	724
Swancote Energy Import	1.006	1.006	1.004	1.005	725
Springhill Solar Park Import	1.006	1.006	1.004	1.005	726
NG Gas Wormington	1.027	1.025	1.020	1.022	727
Greenfrog STOR Import	1.006	1.006	1.004	1.005	728
Union Road/EMR Oldbury Import	1.006	1.006	1.004	1.005	729
Quatt Import	1.027	1.025	1.020	1.022	730
Knypersley Import	1.027	1.025	1.020	1.022	740
Simplex Import	1.027	1.025	1.020	1.022	742
Northwick STOR sub supply	1.027	1.025	1.020	1.022	743
Star Aluminium Import	1.027	1.025	1.020	1.022	744
Goodyear	1.006	1.006	1.006	1.006	747
Battlefield Generation Import	1.006	1.006	1.004	1.005	770
Northwick 5 Mile Dr PV Import	1.027	1.025	1.020	1.022	785
Cellarhead Burlaston MSID 2226	1.005	1.005	1.002	1.003	2226
Cellarhead Whitfield MSID 0234	1.002	1.002	1.001	1.001	0234
Ironbridge St load	1.000	1.000	1.000	1.000	4003
Rugeley St load	1.000	1.000	1.000	1.000	4018
Fort Dunlop LV Import	1.094	1.083	1.057	1.070	7177
Havannah Mills	1.043	1.040	1.029	1.034	0039
Hayford Farm PV	1.006	1.006	1.004	1.005	772
Hadleigh Park STOR	tba	tba	tba	tba	tba
Troughton PV	tba	tba	tba	tba	tba
Sundorne PV	tba	tba	tba	tba	tba
Says Court Farm	1.006	1.006	1.004	1.005	771
Condover PV	tba	tba	tba	tba	tba
Rotherdale PV	tba	tba	tba	tba	tba
Staffs City Council (i54)	tba	tba	tba	tba	tba
Birch Coppice	tba	tba	tba	tba	tba

Annex 5 – Schedule of Line Loss Factors

EHV sites specific LLFs					
Generation					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Tyseley Waste Export	1.001	1.001	1.000	1.000	703
Uni of Birmingham Export	1.000	1.000	1.000	1.000	708
Quatt Export	1.027	1.025	1.020	1.022	731
Wolverhampton WS Export	1.000	1.000	1.000	1.000	732
Stoke CHP Export	0.998	0.998	0.997	0.997	733
Hanford Waste Services Export	0.996	0.996	0.993	0.993	734
NR Kidsgrove Export	1.003	1.003	1.002	1.002	735
NR Stafford Export	1.001	1.001	1.001	1.001	736
NR Winson Green Export	1.001	1.001	1.000	1.001	737
NR Smethwick Export	1.000	1.000	1.000	1.000	738
NR Willenhall Export	1.000	1.000	1.000	1.000	739
NR Nechells/Washwood Heath Export	1.000	1.000	1.000	1.000	741
Redditch Gas Turbine Export	1.027	1.025	1.020	1.022	745
Knypersley Export	1.027	1.025	1.020	1.022	746
Northwick Export	1.072	1.072	1.072	1.072	748
Swancote Energy Export	1.055	1.055	1.055	1.055	749
Four Ashes Incinerator Export	1.006	1.006	1.004	1.005	750
Witches Farm Solar Export	1.006	1.006	1.004	1.005	751
Springhill Solar Park Export	1.006	1.077	1.004	1.077	752
Greenfrog STOR Export	1.006	1.006	1.004	1.005	753
Union Road/EMR Oldbury Export	1.006	1.006	1.004	1.005	754
Battlefield Generation Export	1.006	1.006	1.004	1.005	755
Northwick 5 Mile Dr PV Export	1.027	1.025	1.020	1.022	805
Crewe - Barlaston interconnector	1.005	1.005	1.002	1.003	2226
Stanner interconnector	1.043	1.040	1.029	1.034	2818
Heartlands Power Ltd	1.000	1.000	1.000	1.000	7070
Hayford Farm PV Export	1.006	1.006	1.004	1.005	757
Hadleigh Park STOR Export	tba	tba	tba	tba	tba
Troughton PV Export	tba	tba	tba	tba	tba
Sundorne PV Export	tba	tba	tba	tba	tba
Says Court Farm Export	1.006	1.006	1.004	1.005	756
Condover PV Export	tba	tba	tba	tba	tba
Rotherdale PV Export	tba	tba	tba	tba	tba
Staffs City Council (i54) Export	tba	tba	tba	tba	tba
Birch Coppice Export	tba	tba	tba	tba	tba

Annex 6 - New Designated EHV Properties. Addendum to Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Final new designated EHV charges														
Import Unique Identifier	Import MPANs/MSIDs	Import LLFC	Export Unique Identifier	Export 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
EDCM import 1			EDCM export 1											
EDCM import 2			EDCM export 2											
EDCM import 3			EDCM export 3											
EDCM import 4			EDCM export 4											
EDCM import 5			EDCM export 5											
EDCM import 6			EDCM export 6											
EDCM import 7			EDCM export 7											
EDCM import 8			EDCM export 8											
EDCM import 9			EDCM export 9											
EDCM import 10			EDCM export 10											

Western Power Distribution (West Midlands) plc - Effective from 1 April 2014 - Final new designated EHV line loss factors																
Import Unique Identifier	Import MPANs/MSIDs	Import LLFC	Export Unique Identifier	Export LLFC	Export MPANs/MSIDs	Name	Import LLF period 1	Import LLF period 2	Import LLF period 3	Import LLF period 4	Import LLF period 5	Export LLF period 1	Export LLF period 2	Export LLF period 3	Export LLF period 4	Export LLF period 5
EDCM Import 1			EDCM Export 1													
EDCM Import 2			EDCM Export 2													
EDCM Import 3			EDCM Export 3													
EDCM Import 4			EDCM Export 4													
EDCM Import 5			EDCM Export 5													
EDCM Import 6			EDCM Export 6													
EDCM Import 7			EDCM Export 7													
EDCM Import 8			EDCM Export 8													
EDCM Import 9			EDCM Export 9													
EDCM Import 10			EDCM Export 10													

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.