WESTERN POWER DISTRIBUTION

Serving the Midlands, South West and Wales

Western Power Distribution

(South Wales) plc

Use of System Charging Statement

FINAL NOTICE

Effective from 1st April 2013

Version 6.5

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

Version Control

Version	Date	Description of version and any changes made
V6.5	December 2012	Final Version

Contents

1. Introduction

1.1. This statement has been prepared in order to discharge Western Power Distribution (South Wales) plc's (hereafter referred to as WPD) obligation under Standard Licence Condition 14 of our Electricity Distribution Licence. It contains information on our charges[1] and charging principles for use of our Distribution System. It also contains information on our Line Loss Factors.

1.2. The charges in this statement are calculated using the Common Distribution Charging Methodology (CDCM) for LV/HV Designated Properties and the EHV Distribution Charging Methodology (EDCM) for Designated EHV Properties. The application of charges to a premise can be referenced using the Line Loss Factor Class (LLFC) contained in the charge tables.

1.3. If you have any questions about this statement please contact us at the address shown below:

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

1.4. 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] Charges can be positive or negative.
[2] WPD SWAE - Schedule of charges and other tables - Version7.xlsx
[3] The Electricity (Unmetered Supply) Regulations 2001 available from http://www.legislation.gov.uk/uksi/2001/3263/made
[4] Balancing and Settlement Code Procedures on unmetered supplies and available from http://www.elexon.co.uk/pages/bscps.aspx

1.5. For all other queries please contact our general enquiries telephone number: 0845 601 3341, 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. The Supercustomer approach makes use of aggregated data obtained from the Supercustomer 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 14 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 Line Loss Factor Classes (LLFCs) assigned to the 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) associated to the Standard Settlement Class (SSC) – specific to DNOs. All Line Loss Factor Classes (LLFCs) are assigned at the sole discretion of WPD. The charges in this document are shown exclusive of VAT. 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 Metering Point Administration Number (MPAN) in respect of which you are registered; and
- Unit charges - pence/kilowatt-hour (kWh), based on the active consumption/production as provided through Settlement. More than one kWh charge may be applied.

2.5. These charges apply to Exit/Entry Points where NHH metering is used for Settlement.

2.6. Users who wish to supply electricity to Customers whose Metering System is Measurement Class A and settled on Profile Classes 1 through to 8 will be allocated the relevant charge structure set out in Annex 1.

2.7. Identification of the appropriate charge can be made by cross reference to the LLFC.

2.8. Valid Settlement Profile Class/Standard Settlement Configuration/Meter Timeswitch Code (PC/SSC/MTC) combinations for these LLFCs are detailed in Market Domain Data (MDD).

2.9. WPD does not apply a default tariff for invalid combinations.

- For NHH profile class 1 & 2 multi-rate and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD between 21.00 and 09.00 hours GMT. Currently agreed regimes (Standard Settlement Configurations) are listed in Schedule 1 and DUoS charges for these are based on Total kWh by Settlement Class. If other regimes are installed in a premise, WPD will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 2.
- For NHH profile class 3 & 4 multi-rate tariffs and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD between 21.00 and 09.00 hours GMT. Currently agreed regimes (Standard Settlement Configurations) are listed in Schedule 3 and DUoS charges for these are based on Total kWh by Settlement Class. If other regimes are installed in a premise, WPD will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 4.
- For NHH profile class 5 to 8 multi-rate tariffs and other off-peak tariffs, night is defined as a seven hour period normally starting at 00.30 hours clock time. If other regimes are installed in a premise, unless otherwise agreed WPD will charge DUoS based on a default regime of 00.30-07.30 clock time (TPR 00208) using the half-hourly kWh by settlement class.

2.10. To determine the appropriate charge rate for each SSC/TPR a lookup table is provided in the spreadsheet that accompanies this statement[2].

2.11. 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

2.12. Site-specific billing and payment applies to Metering Points registered as Half Hourly (HH) metered. The site-specific billing and payment approach to Use of

[2] WPD SWAE - Schedule of charges and other tables - Version7.xlsx

System billing makes use of Half Hourly (HH) metering data received through Settlement.

2.13. 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 which may be necessary following the receipt of actual data from the User.

2.14. The charges are applied on the basis of the Line Loss Factor Classes (LLFCs) assigned to the MPAN (or the MSID for CVA sites), and the units consumed within the time periods specified in this statement. All [Line Loss Factor Classes (LLFCs)] are assigned at the sole discretion of WPD. The charges in this document are shown exclusive of VAT.

Site-Specific Billed Charges

2.15. Site-Specific billed charges may include the following components:

- A fixed charge pence/MPAN/day;
- A capacity charge, pence/kVA/day, for agreed 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, for transportation of electricity over the system; and
- An excess reactive power charge, pence/kVArh, for each unit in excess of the reactive charge threshold.

2.16. These charges apply to Exit/Entry Points where HH metering, or an equivalent meter, is used for Settlement purposes.

2.17. Users who wish to supply electricity to Customers whose Metering System is Measurement Class C or E or CVA will be allocated the relevant charge structure dependent upon the voltage and location of the Metering Point.

2.18. Fixed charges are generally levied on a pence per MPAN 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.

2.19. LV & HV Designated Properties as calculated using the CDCM will be allocated the relevant charge structure set out in Annex 1.

2.20. Designated EHV Properties as calculated using the EDCM will be allocated the relevant charge structure set out in Annex 2.

Time Periods for Half Hourly Metered Properties

2.21. The time periods for the application of unit charges to LV & HV Designated Properties which are Half Hourly metered are as follows:

	Monday to Friday	Weekends
Unit Rate 1: Red	17:00 to 19:30	
Unit Rate 2: Amber	07:30 to 17:00 19:30 to 22:00	12:00 to 13:00 16:00 to 21:00
Unit Rate 3: Green	00:00 to 07:30 22:00 to 24:00	00:00 to 12:00 13:00 to 16:00 21:00 to 24:00

- All times are UK clock time.
- WPD has not issued a notice to change the time bands.

2.22. The time periods for the application of unit charges to Designated EHV Properties are as follows:

- Unit charges in the super red time band apply – between 17:00 and 19:30, Mon to Fri from 1st November to the last date in February excluding the period from 22nd December to 4th January inclusive.
- All times are UK clock time.

WPD has not issued a notice to change the time bands.

Charges for Unmetered Supplies

2.23. Users who wish to supply electricity to Customers whose Metering System is Measurement Class B or Measurement Class D will be allocated the relevant charge structure in the Annex 1.

2.24. These charges are available to Exit Points which WPD deems to be suitable as Unmetered Supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001[3] and where operated in accordance with BSCP520[4].

Time Periods for Half Hourly Unmetered Properties

2.25. The time periods for the application of unit charges to connections which are pseudo HH metered are as follows:

[3] The Electricity (Unmetered Supply) Regulations 2001 available from http://www.legislation.gov.uk/uksi/2001/3263/made
[4] Balancing and Settlement Code Procedures on unmetered supplies and available from http://www.elexon.co.uk/pages/bscps.aspx

	Monday to Friday Nov to Feb (excluding 22nd Dec to 4th Jan inclusive)	Monday to Friday Mar to Oct (plus 22nd Dec to 4th Jan inclusive)	Weekends
Unit Rate 1: Black	**17:00 to 19:30**		
Unit Rate 2: Yellow	**07:30 to 17:00** **19:30 to 22:00**	**07:30 to 22:00**	**12:00 to 13:00** **16:00 to 21:00**
Unit Rate 3: Green	**00:00 to 07:30** **22:00 to 24:00**	**00:00 to 07:30** **22:00 to 24:00**	**00:00 to 12:00** **13:00 to 16:00** **21:00 to 24:00**

- All times are UK clock times.
- WPD has not issued a notice to change the time bands.

Use of System Charges Out of Area

2.26. WPD does not operate networks outside its Distribution Service Area.

Application of Capacity Charges

Chargeable Capacity

2.27. The Chargeable Capacity is, for each billing period, the highest of the MIC/MEC or the actual capacity, calculated as detailed below.

2.28. 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 WPD0 using the contact details in paragraph 1.4.

2.29. 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 cost.

Demand Chargeable Capacity

$$\mathrm{DemandChargeableCapacity} = \mathrm{Max}(2 \times \sqrt{\mathrm{AI}^2 + \mathrm{max}(\mathrm{RI},\mathrm{RE})^2}, \mathrm{MIC})$$

Where:

AI = Import consumption in kWh

RI = Reactive import in kVArh

RE = Reactive export in kVArh

MIC = Maximum Import Capacity in kVA

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

2.31. Only kVArh Import and kVArh Export values occurring at times of kWh Import are used.

Generation Chargeable Capacity

$$\text{Generation Chargeable Capacity} = \text{Max}(2 \times \sqrt{AE^2 + \text{max}(RI, RE)^2}, MEC)$$

Where:

AE = Export Production in kWh

RI = Reactive import in kVArh

RE = Reactive export in kVArh

MEC = Maximum Export Capacity in kVA

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

2.33. Only kVArh Import and kVArh Export values occurring at times of kWh Export are used.

Standby Capacity for Additional Security on Site

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

Exceeded Capacity

2.35. 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.

This will be charged for the duration of the full month in which the breach occurs.

Minimum Capacity Levels

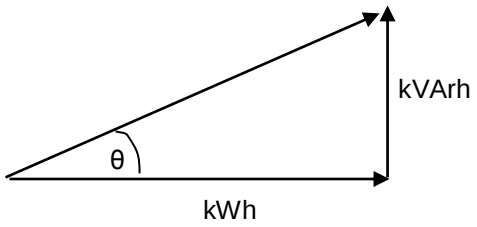
2.36. There is no minimum capacity threshold.

Application of charges for excess reactive power

2.37. The excess reactive power charge applies when a site's reactive power (measured in kVArh) exceeds 33% of total active power (measured in kWh) in any half-hourly period. 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.

2.38. Power Factor is calculated as follows:

Cos θ = Power Factor



2.39. The chargeable reactive power is calculated as follows:

Demand Chargeable Reactive Power

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

Where:

AI = Active Import in kWh
RI = Reactive Import in kVArh
RE = Reactive Export in kVArh

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

2.41. Only kVArh Import and kVArh Export values occurring at times of kWh Import are used.

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

Generation Chargeable Reactive Power

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

Where:

AE = Active Export in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

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

2.44. Only kVArh Import and kVArh Export values occurring at times of kWh Export are used.

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

Provision of billing data

2.46. Where HH metering data is required for Use of System 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 5 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 e-mailed to wpdduos@westernpower.co.uk.

2.47. WPD requires reactive consumption or production to be provided for all Measurement Class C (mandatory HH metered) sites and for Measurement Class E (elective HH metered sites). WPD reserves the right to levy a charge on Users who fail to provide such reactive data.

Licensed Distributor Network Operator (LDNO) charges

2.48. LDNO charges are applied to LDNOs who operate Embedded Networks within WPD area.

2.49. The charge structure for LV and HV Designated Properties end users 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.

2.50. WPD does not apply a default tariff for invalid combinations.

- For NHH profile class 1 & 2 multi-rate and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD between 21.00 and 09.00 hours GMT. Currently agreed regimes (Standard Settlement Configurations) are listed in Schedule 1 and DUoS charges for these are based on Total kWh by Settlement Class. If other regimes are installed in a premise, WPD will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 2.
- For NHH profile class 3 & 4 multi-rate tariffs and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD between 21.00 and 09.00 hours GMT. Currently agreed regimes (Standard Settlement Configurations) are listed in Schedule 3 and DUoS charges for these are based on Total kWh by Settlement Class. If other regimes are installed in a premise, WPD will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 4.
- For NHH profile class 5 to 8 multi-rate tariffs and other off-peak tariffs, night is defined as a seven hour period normally starting at 00.30 hours clock time. If other regimes are installed in a premise, unless otherwise agreed WPD will charge DUoS based on a default regime of 00.30-07.30 clock time (TPR 00208) using the half-hourly kWh by settlement class.

2.51. The charge structure for Designated EHV Properties end-users embedded in Networks operated by LDNOs will be calculated individually using the EDCM.

2.52. For Nested Networks the Host DNO charges (or pays) the Nested LDNO on the basis of discounted charges for the voltage of connection of the Intermediate LDNO to the Host DNO, irrespective of the connection of the Nested LDNO to the Intermediate LDNO. Additional arrangements might exist between the Nested LDNO and the Intermediate LDNO; these arrangements are not covered in this statement.

3. Schedule of Charges for use of the Distribution System

3.1. Tables listing the charges for the distribution of electricity under use of system are published in annexes of 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/end-users embedded in Networks within the WPD 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. DNO specific sentence to cover off any further use of the tables.

3.6. Annex 4 contains the charges applied to LDNOs with LV and HV Designated Properties end users embedded in Networks within WPD 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 which 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. 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. BSCP 128 determines the principles which DNOs must comply with when calculating LLFs.

4.6. LLFs are either calculated using 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/pages/losses.aspx) contains more information on LLFs. This page also has links to 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. These time periods 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.bsccentralservices.com/, contains the LLFs in standard industry data format (D0265). A user guide with details on registering and using the portal can be downloaded from https://www.bsccentralservices.com/index.php/userguide/download.

5. Notes for Designated EHV Properties

EDCM [nodal /network group] costs

5.1. The table in Annex 6 shows the un-scaled nodal /network group costs used to calculate the current EDCM charges.

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, i.e. 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.

Charges for New Designated EHV Properties

5.3. When new Designated EHV Properties, that are not already included in the charging statement, are energised after publication of charging statements an addendum to the current statement will be issued incorporating the appropriate charges for the new site.

5.4. The form of the addendum is detailed in Annex 7 of this statement.

5.5. The addendum will be sent to 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.

Demand Side Management

5.7. 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.
- Requests for Demand Side Management agreements should be sent to the Income and Connections Manager at the address shown in paragraph 1.3

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 are included to aid understanding:

Term	Definition
Balancing and Settlement Code (BSC)	The Balancing and Settlement Code contains the governance arrangements for electricity balancing and settlement in Great Britain. An over view 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.
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).
CVA	Central volume allocation in accordance with the BSC.
Designated EHV Properties	As defined in standard condition 13B of the Electricity Distribution Licence.
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 Distribution Connection and Use of System Agreement (DCUSA) is a multi-party contract between the licensed electricity distributors, suppliers and generators of Great Britain. It is a requirement that all licensed electricity distributors and suppliers become parties to the DCUSA.
Electricity Distribution Licence	The Electricity Distribution Licence granted or treated as granted pursuant to section 6(1) of the Electricity Act 1989.
Distribution Network Operator (DNO)	An Electricity Distributor who operates one of the fourteen 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 that a DNO as Distribution Services Provider will operate.

Term	Definition
Distribution Services Provider	An Electricity Distributor in whose Electricity Distribution Licence the requirements of Section B of the standard conditions of that licence have effect.
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 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.
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 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 to a connected installation or to 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.
Grid Supply Point	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.

Term	Definition
GSP Group	Grid Supply Point Group; a distinct electrical system, that is supplied from one or more Grid Supply Points 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. http://mddonline.elexon.co.uk/default.aspx
kVA	Kilovolt amperes
kVArh	Kilovolt ampere reactive hour
kW	Kilowatt
kWh	Kilowatt hour (equivalent to one “unit” of electricity)
LDNO	Licensed Distribution Network Operator.
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.
Line Loss Factor (LLF)	The factor which is used in Settlement to adjust the Metering System volumes to take account of losses on the Distribution System.
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 Supplier Volume Allocation (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.
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.

Term	Definition
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 above 100kW Premises (equivalent to Measurement Class "C") Half Hourly Unmetered Supplies (equivalent to Measurement Class "D") Half Hourly Metering Equipment at below 100kW Premises (equivalent to Measurement Class "E").
Metering Point	The point at which electricity 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 Grid Supply Points are not 'Metering Points')
Metering System	Particular commissioned metering equipment installed for the purposes of measuring the quantities of Exports and Imports at the Boundary Point.
MPAN	Metering Point Administration Number. A number relating to a Metering Point under the MRA.
MRA	The Master Registration Agreement.
MTC	Meter Timeswitch Codes (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.
Settlement	The determination and settlement of amounts payable in respect of charges (including reconciling charges) in accordance with the Balancing and Settlement Code
Settlement Class (SC)	The combination of Profile Class, Line Loss Factor Class, Time Pattern Regime and Standard Settlement Configuration, by Supplier within GSP Group and used for Settlement.

Term	Definition
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 consumption and standing charges for all similar NHH metered Customers together.
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 supplying electricity to a Metering Point.
Supplier Volume Allocation (SVA)	As defined in the Balancing and Settlement Code.
Supplier Volume Allocation Agent (SVAA)	The agency which uses aggregated consumption data from the Data Aggregator to calculate Supplier purchases by Settlement Class for each Settlement day, and then passes this information to the relevant distributors and Suppliers across the national data transfer network.
Time Pattern Regime (TPR)	The pattern of switching behaviour though time that one or more meter registers follow.
Use of System Charges	Charges for demand and generation Customers which are connected to and utilising the distribution network.
User/s	Someone who has a use of system agreement with the DNO e.g. A Supplier, Generator or LDNO.

Annex 1 - Schedule of Charges for use of the Distribution System by LV and HV Designated Properties

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LV/HV Charges

	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)	Closed LLFCs
Domestic Unrestricted	100, 105, 800, 860	1	3.355			4.09				
Domestic Two Rate	101, 106, 801, 861,	2	3.712	0.267		4.09				
Domestic Off Peak (related MPAN)	194, 843	2	0.285							
Small Non Domestic Unrestricted	200, 810, 862	3	2.740			6.86				
Small Non Domestic Two Rate	201, 811, 863	4	3.427	0.310		6.86				
Small Non Domestic Off Peak (related MPAN)	294	4	0.317							
LV Medium Non-Domestic	300	5-8	3.273	0.213		48.19				
LV Sub Medium Non-Domestic	344	5-8	2.119	0.138		4.14				
LV HH Metered	300		16.458	1.367	0.163	10.66	2.74	0.551	2.74	
LV Sub HH Metered	344		12.451	1.017	0.122	7.70	3.20	0.486	3.20	
HV HH Metered	400		12.469	1.002	0.116	85.89	3.24	0.385	3.24	
NHH UMS category A	718	8	2.635							
NHH UMS category B	701	1	3.043							
NHH UMS category C	719	1	4.979							
NHH UMS category D	720	1	2.341							
LV UMS (Pseudo HH Metered)	700		42.645	2.546	0.959					
LV Generation NHH	697	8	-0.786							
LV Sub Generation NHH	717	8	-0.720							
LV Generation Intermittent	697		-0.786					0.258		
LV Generation Non-Intermittent	603		-6.339	-0.612	-0.102			0.258		
LV Sub Generation Intermittent	602		-0.720					0.225		

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LV/HV Charges										
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)	Closed LLFCs
LV Sub Generation Non-Intermittent	604		-5.803	-0.561	-0.096			0.225		
HV Generation Intermittent	698		-0.486			36.92		0.183		
HV Generation Non-Intermittent	606		-3.882	-0.375	-0.073	36.92		0.183		

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

Note: The list of MPANs / MSIDs is for guidance only and may not be complete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final EDCM Charges												
Import LLFC - Unique Identifier	Export LLFC - Unique Identifier	Import MPAN/s / MSIDs	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)
880		2189999997595		Corus Margam1 GRAN6A	0.000	0.00	1.87	1.87	0.000	0.00	0.00	0.00
881	601	2189999997600	2189999998739	Corus Margam2 CEFN6	0.000	1,716.74	4.57	4.57	-0.683	461.24	0.08	0.08
534		2189999997460, 2189999997683, 2189999997451		Momentive Chemicals	0.001	140.81	6.59	6.59	0.000	0.00	0.00	0.00
511		2199989610089, 2199989271918, 2199989271927, 2199989271936		Boc Margam	0.086	1,896.26	3.96	3.96	0.000	0.00	0.00	0.00
522		2199989628537		Lafarge - Blue Circle	0.000	776.99	3.76	3.76	0.000	0.00	0.00	0.00
514		2189999999928		Celsa Rod Mills	0.000	4,128.02	3.04	3.04	0.000	0.00	0.00	0.00
520		2189999999937		Celsa 33 11	1.108	3,147.25	3.32	3.32	0.000	0.00	0.00	0.00
510		2199989614144		Mir Steel	0.000	892.34	0.91	0.91	0.000	0.00	0.00	0.00
513		2199989616995		Alcoa	0.124	0.00	2.41	2.41	0.000	0.00	0.00	0.00
518	619	2189999996893, 2189999996884	2100040023638 2100040023647	Interbrew Magor USKM	0.092	47.97	6.96	6.96	0.000	0.00	0.00	0.00
542		2100040636538, 2100040653932		SHLNG	5.138	11,604.83	6.72	6.72	0.000	0.00	0.00	0.00
517		2189999998678		Chevron	0.000	33,741.96	2.82	2.82	0.000	0.00	0.00	0.00

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final EDCM Charges

Import LLFC - Unique Identifier	Export LLFC - Unique Identifier	Import MPAN/s / MSIDs	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)
535	617	2189999998924 2199989663578 2189999998942 2189999998933	2100040890430 2100040890412 2100040890440 2100040890459	Monsanto	0.049	121.13	4.40	4.40	-1.488	66.62	0.08	0.08
529		2189999997309, 2189999997293, 2189999997284, 2189999997275		Inco	0.134	1,292.33	4.39	4.39	0.000	0.00	0.00	0.00
533	633	2199989633174, 2199989633165, 2199989633183	2198765427530	Bridgend Paper Mill	0.134	111.17	4.03	4.03	0.000	0.00	0.00	0.00
512		2199989610024		Ford Bridgend	0.305	2,538.28	6.68	6.68	0.000	0.00	0.00	0.00
515	618	2199989638961 2199989638970	2100040867636 2100040867645	Murphy Oil	5.205	3,532.20	5.67	5.67	-5.205	3,178.98	0.08	0.08
536	636	2199989353710, 2199989353701	2189999997354	Dow Corning	0.001	84.07	10.90	10.90	0.000	0.00	0.00	0.00
538		2198765295402		DCWW Rover Way	0.000	140.81	6.42	6.42	0.000	0.00	0.00	0.00
532		2199989640232		DCWW Nantgaredig	2.418	0.00	4.02	4.02	0.000	0.00	0.00	0.00
504		2189999999714, 2100040014545, 2100040007060, 2100040007130, 2100040007079, 2100040007088, 2100040007097, 2100040007120, 2100040007111, 2100040007102		Corus Trostre	0.739	0.00	4.90	4.90	0.000	0.00	0.00	0.00
505		2189999999732, 2100040135899, 2100040135904		Corus Orb	0.336	1,824.41	4.31	4.31	0.000	0.00	0.00	0.00
519		2199989611204		Mainline Pipelines	4.019	46.94	5.01	5.01	0.000	0.00	0.00	0.00

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final EDCM Charges

Import LLFC - Unique Identifier	Export LLFC - Unique Identifier	Import MPAN/s / MSIDs	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)
539		2100040302060		Simms metals	0.000	706.44	2.66	2.66	0.000	0.00	0.00	0.00
531		2199989628430		Swansea University	2.600	2,126.26	3.90	3.90	0.000	0.00	0.00	0.00
541	678	2100041752410 2100041752420	2100040752396 2100040752401	Milford Energy	4.019	39.83	1.71	1.71	-4.019	54.05	0.08	0.08
545		2100040769015, 2100040769033, 2100040769042		Felindre	0.000	4,290.68	1.39	1.39	0.000	0.00	0.00	0.00
2614 and 2615		CVA		Aberystwyth - Manweb	0.311	0.00	12.79	12.79	0.000	0.00	0.00	0.00
546		2100040781360, 2100040781379		Timet	0.124	0.00	4.01	4.01	0.000	0.00	0.00	0.00
580	650	2199989641937	2189999997345	Taff Ely	0.000	4.80	3.16	3.16	0.000	0.00	0.00	0.00
547	663	2100040495610	2100040495600	Blaen Cregan	0.006	5.47	2.68	2.68	0.000	0.00	0.00	0.00
549	651	2199989639264	2199989632384	Bryn Titli	0.989	30.07	4.60	4.60	0.000	0.00	0.00	0.00
507	664	2100040067486	2100040067477	ABB Cornelly	1.482	21.16	2.20	2.20	-2.091	677.07	0.08	0.08
571	665	2100040067538	2100040067529	Crymlin Burrows	0.296	208.59	2.76	2.76	0.000	0.00	0.00	0.00
572	652	2199989635669	2189999997390	Dyffryn Brodyn	2.485	7.05	3.06	3.06	0.000	0.00	0.00	0.00
574	653	2199989614809	2199989612769	Llyn Brianne	2.683	326.41	2.34	2.34	0.000	0.00	0.00	0.00
577	661	2100040719992	2100040719983	Margam Biomass	1.280	252.13	1.47	1.47	-1.734	1,991.84	0.08	0.08
579	670	2100040485950	2100040485940	Pwllfa Gwatkin	0.420	30.59	1.81	1.81	0.000	0.00	0.00	0.00
581	662	2100040609516	2100040609507	Trecatti	4.495	56.16	1.89	1.89	-5.373	336.97	0.08	0.08
582	666	2100040694060	2100040694051	Withy Hedges	6.773	8.09	1.76	1.76	-7.374	465.28	0.08	0.08
593		2189999997503		Camford	1.791	0.00	5.59	5.59	0.000	0.00	0.00	0.00
594		2189999997025, 2189999997034, 2189999997043		Hoover	7.317	140.81	8.99	8.99	0.000	0.00	0.00	0.00
622		2199989609970		QuinetiQ	3.796	46.94	12.19	12.19	0.000	0.00	0.00	0.00
620		2199989611348		University Hospital of Wales	2.487	93.87	3.25	3.25	0.000	0.00	0.00	0.00
7051	7051	CVA	CVA	Centrica	0.000	0.00	3.10	3.10	0.000	0.00	0.00	0.00
7163	7163	CVA	CVA	Aberaman Park	0.719	26.79	2.34	2.34	0.000	0.00	0.00	0.00

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Import LLFC - Unique Identifier	Export LLFC - Unique Identifier	Import MPAN/s / MSIDs	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)
7159	7159	CVA	CVA	British Energy	0.046	13.37	1.65	1.65	0.000	0.00	0.00	0.00
548	668	2100040878007	2100040878016	Blaengwen	0.300	479.30	3.68	3.68	0.000	11,023.86	0.08	0.08
583	659	2198765146436	2198765142992	Parc Cynog	2.453	27.23	2.57	2.57	0.000	0.00	0.00	0.00
509	660	2100040126342	2100040126333	Blaen Bowi	3.572	4.42	3.08	3.08	0.000	172.48	0.08	0.08
586	679	2100040989413	2100040989431	Ferndale Wind Farm	0.182	23.29	3.76	3.76	0.000	745.27	0.08	0.08
587	685	2100041090096	2100041090087	Pant y Wal WF	0.000	78.55	1.70	1.70	0.000	6,943.54	0.08	0.08
585	684	2100040960600	2100040960619	Maesgwyn	0.000	33.43	2.41	2.41	0.000	1,738.62	0.08	0.08
588	686	2100041063650	2100041063669	Mynydd Portref	0.420	10.04	2.14	2.14	0.000	669.12	0.08	0.08
508	674	2100041079038	2100041079047	Bettws	0.001	9.42	2.32	2.32	0.000	697.02	0.08	0.08
575	676	2100041079171	2100041079180	Maerdy	0.524	3.83	3.62	3.62	0.000	613.36	0.08	0.08
578	677	New Connection	New Connection	Newport Biomass	0.000	61.78	1.97	1.97	0.000	1,544.57	0.08	0.08
584	667	2100040841771	2100040841780	Parc Cynog (Pendine)	2.453	30.79	2.78	2.78	0.000	369.49	0.08	0.08
623		2100041070815, 2100041071828		Western Coal	0.515	0.00	2.74	2.74	0.000	0.00	0.00	0.00
625	658	2100040983990	2199989641360	Tregaron	5.347	0.46	1.95	1.95	-5.347	46.47	0.08	0.08
631	643	2100041080121	2100041080130	Ffos Las Tee	0.557	8.18	2.54	2.54	0.000	408.79	0.08	0.08
632	642	2100041080140	2100041080177	Pont Andrew Tee	0.704	11.93	2.52	2.52	0.000	393.60	0.08	0.08
629	644	2100041089700	2100041089685	HIRWAUN 33kV	0.514	3.54	3.46	3.46	0.000	708.99	0.08	0.08
628	645	2100041078805	2100041078814	BRITON FERRY 33kV	0.292	2.43	1.94	1.94	0.000	486.04	0.08	0.08
627	646	2100041072798	2100041072803	WAUNLAN 33kV TEE	1.425	2.21	2.30	2.30	0.000	442.88	0.08	0.08
885	792	2100041113326	2100041113335	Jordanston Farm PV	6.180	2.35	4.97	4.97	0.000	533.80	0.08	0.08
883	940	2100041105593	2100041105609	Wear Point WF	6.376	4.49	3.26	3.26	0.000	640.80	0.08	0.08
New	New	New connection	New connection	WHITLAND Kronos 33KV	9.933	3.38	1.64	1.64	0.000	389.75	0.08	0.08
New	New	New connection	New connection	PEMBROKE DOCK KRONOS 33KV	5.241	3.51	2.69	2.69	0.000	403.92	0.08	0.08
New	New	New connection	New connection	MYNYDD Y GWRHYD 33KV	0.420	13.32	2.14	2.14	0.000	665.84	0.08	0.08

Annex 3 - Schedule of Charges for use of the Distribution System to Preserved/Additional LLFC Classes

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LV/HV Tariffs									
NHH Preserved Charges/Additional LLFC Classes									
	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	400	5-8	2.363	0.156		137.80			

HH Preserved Charges/Additional LLFC Classes									
	Closed LLFCs	**PCs**	**Unit rate 1 p/kWh**	**Unit rate 2 p/kWh**	**Unit rate 3 p/kWh**	**Fixed charge p/MPAN/day**	**Capacity charge p/kVA/day**	**Reactive power charge p/kVArh**	**Excess Capacity charge (p/kVA)**
									.

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

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LDNO Tariffs									
	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	870	1	2.315			2.82			
LDNO LV: Domestic Two Rate	871	2	2.561	0.184		2.82			
LDNO LV: Domestic Off Peak (related MPAN)	872	2	0.197						
LDNO LV: Small Non Domestic Unrestricted	873	3	1.890			4.73			
LDNO LV: Small Non Domestic Two Rate	874	4	2.364	0.214		4.73			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	875	4	0.219						
LDNO LV: LV Medium Non-Domestic	876	5-8	2.258	0.147		33.25			
LDNO LV: LV HH Metered	877	0	11.354	0.943	0.112	7.35	1.89	0.380	1.89
LDNO LV: NHH UMS category A	TBC	8	1.818						
LDNO LV: NHH UMS category B	TBC	1	2.099						
LDNO LV: NHH UMS category C	TBC	1	3.435						
LDNO LV: NHH UMS category D	TBC	1	1.615						
LDNO LV: LV UMS (Pseudo HH Metered)	879	0	29.420	1.756	0.662				
LDNO LV: LV Generation NHH	880	8	-0.786						
LDNO LV: LV Generation Intermittent	881	0	-0.786					0.258	
LDNO LV: LV Generation Non-Intermittent	882	0	-6.339	-0.612	-0.102			0.258	
LDNO HV: Domestic Unrestricted	883	1	1.279			1.56			
LDNO HV: Domestic Two Rate	884	2	1.415	0.102		1.56			
LDNO HV: Domestic Off Peak (related MPAN)	885	2	0.109						
LDNO HV: Small Non Domestic Unrestricted	886	3	1.045			2.62			
LDNO HV: Small Non Domestic Two Rate	887	4	1.306	0.118		2.62			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	888	4	0.121						
LDNO HV: LV Medium Non-Domestic	889	5-8	1.248	0.081		18.37			
LDNO HV: LV HH Metered	890	0	6.274	0.521	0.062	4.06	1.04	0.210	1.04

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LDNO Tariffs

	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO HV: LV Sub HH Metered	891	0	7.071	0.578	0.069	4.37	1.82	0.276	1.82
LDNO HV: HV HH Metered	892	0	8.411	0.676	0.078	57.94	2.19	0.260	2.19
LDNO HV: NHH UMS category A	TBC	8	1.005						
LDNO HV: NHH UMS category B	TBC	1	1.160						
LDNO HV: NHH UMS category C	TBC	1	1.898						
LDNO HV: NHH UMS category D	TBC	1	0.892						
LDNO HV: LV UMS (Pseudo HH Metered)	894	0	16.258	0.971	0.366				
LDNO HV: LV Generation NHH	895	8	-0.786						
LDNO HV: LV Sub Generation NHH	902	8	-0.720						
LDNO HV: LV Generation Intermittent	896	0	-0.786					0.258	
LDNO HV: LV Generation Non-Intermittent	897	0	-6.339	-0.612	-0.102			0.258	
LDNO HV: LV Sub Generation Intermittent	898	0	-0.720					0.225	
LDNO HV: LV Sub Generation Non-Intermittent	899	0	-5.803	-0.561	-0.096			0.225	
LDNO HV: HV Generation Intermittent	900	0	-0.486					0.183	
LDNO HV: HV Generation Non-Intermittent	901	0	-3.882	-0.375	-0.073			0.183	
LDNO HVplus: Domestic Unrestricted		1	0.870			1.06			
LDNO HVplus: Domestic Two Rate		2	0.962	0.069		1.06			
LDNO HVplus: Domestic Off Peak (related MPAN)		2	0.074						
LDNO HVplus: Small Non Domestic Unrestricted		3	0.710			1.78			
LDNO HVplus: Small Non Domestic Two Rate		4	0.888	0.080		1.78			
LDNO HVplus: Small Non Domestic Off Peak (related MPAN)		4	0.082						
LDNO HVplus: LV Medium Non-Domestic		5-8	0.848	0.055		12.49			
LDNO HVplus: LV Sub Medium Non-Domestic		5-8	0.818	0.053		1.60			
LDNO HVplus: HV Medium Non-Domestic		5-8	1.084	0.072		63.20			
LDNO HVplus: LV HH Metered		0	4.266	0.354	0.042	2.76	0.71	0.143	0.71

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	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO HVplus: LV Sub HH Metered		0	4.808	0.393	0.047	2.97	1.24	0.188	1.24
LDNO HVplus: HV HH Metered		0	5.719	0.460	0.053	39.39	1.49	0.177	1.49
LDNO HVplus: NHH UMS category A		8	0.683						
LDNO HVplus: NHH UMS category B		1	0.789						
LDNO HVplus: NHH UMS category C		1	1.291						
LDNO HVplus: NHH UMS category D		1	0.607						
LDNO HVplus: LV UMS (Pseudo HH Metered)		0	11.054	0.660	0.249				
LDNO HVplus: LV Generation NHH		8	-0.304						
LDNO HVplus: LV Sub Generation NHH		8	-0.330						
LDNO HVplus: LV Generation Intermittent		0	-0.304					0.100	
LDNO HVplus: LV Generation Non-Intermittent		0	-2.448	-0.236	-0.039			0.100	
LDNO HVplus: LV Sub Generation Intermittent		0	-0.330					0.103	
LDNO HVplus: LV Sub Generation Non-Intermittent		0	-2.662	-0.257	-0.044			0.103	
LDNO HVplus: HV Generation Intermittent		0	-0.486			36.92		0.183	
LDNO HVplus: HV Generation Non-Intermittent		0	-3.882	-0.375	-0.073	36.92		0.183	
LDNO EHV: Domestic Unrestricted		1	0.698			0.85			
LDNO EHV: Domestic Two Rate		2	0.772	0.056		0.85			
LDNO EHV: Domestic Off Peak (related MPAN)		2	0.059						
LDNO EHV: Small Non Domestic Unrestricted		3	0.570			1.43			
LDNO EHV: Small Non Domestic Two Rate		4	0.713	0.064		1.43			
LDNO EHV: Small Non Domestic Off Peak (related MPAN)		4	0.066						
LDNO EHV: LV Medium Non-Domestic		5-8	0.681	0.044		10.02			
LDNO EHV: LV Sub Medium Non-Domestic		5-8	0.657	0.043		1.28			
LDNO EHV: HV Medium Non-Domestic		5-8	0.870	0.057		50.72			
LDNO EHV: LV HH Metered		0	3.424	0.284	0.034	2.22	0.57	0.115	0.57
LDNO EHV: LV Sub HH Metered		0	3.859	0.315	0.038	2.39	0.99	0.151	0.99
LDNO EHV: HV HH Metered		0	4.590	0.369	0.043	31.62	1.19	0.142	1.19

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	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO EHV: NHH UMS category A		8	0.548						
LDNO EHV: NHH UMS category B		1	0.633						
LDNO EHV: NHH UMS category C		1	1.036						
LDNO EHV: NHH UMS category D		1	0.487						
LDNO EHV: LV UMS (Pseudo HH Metered)		0	8.871	0.530	0.199				
LDNO EHV: LV Generation NHH		8	-0.244						
LDNO EHV: LV Sub Generation NHH		8	-0.265						
LDNO EHV: LV Generation Intermittent		0	-0.244					0.080	
LDNO EHV: LV Generation Non-Intermittent		0	-1.964	-0.190	-0.032			0.080	
LDNO EHV: LV Sub Generation Intermittent		0	-0.265					0.083	
LDNO EHV: LV Sub Generation Non-Intermittent		0	-2.136	-0.207	-0.035			0.083	
LDNO EHV: HV Generation Intermittent		0	-0.390			29.63		0.147	
LDNO EHV: HV Generation Non-Intermittent		0	-3.115	-0.301	-0.059	29.63		0.147	
LDNO 132kV/EHV: Domestic Unrestricted		1	0.582			0.71			
LDNO 132kV/EHV: Domestic Two Rate		2	0.643	0.046		0.71			
LDNO 132kV/EHV: Domestic Off Peak (related MPAN)		2	0.049						
LDNO 132kV/EHV: Small Non Domestic Unrestricted		3	0.475			1.19			
LDNO 132kV/EHV: Small Non Domestic Two Rate		4	0.594	0.054		1.19			
LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN)		4	0.055						
LDNO 132kV/EHV: LV Medium Non-Domestic		5-8	0.567	0.037		8.35			
LDNO 132kV/EHV: LV Sub Medium Non-Domestic		5-8	0.547	0.036		1.07			
LDNO 132kV/EHV: HV Medium Non-Domestic		5-8	0.725	0.048		42.27			
LDNO 132kV/EHV: LV HH Metered		0	2.853	0.237	0.028	1.85	0.47	0.096	0.47
LDNO 132kV/EHV: LV Sub HH Metered		0	3.215	0.263	0.032	1.99	0.83	0.125	0.83
LDNO 132kV/EHV: HV HH Metered		0	3.824	0.307	0.036	26.34	0.99	0.118	0.99
LDNO 132kV/EHV: NHH UMS category A		8	0.457						

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	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO 132kV/EHV: NHH UMS category B		1	0.527						
LDNO 132kV/EHV: NHH UMS category C		1	0.863						
LDNO 132kV/EHV: NHH UMS category D		1	0.406						
LDNO 132kV/EHV: LV UMS (Pseudo HH Metered)		0	7.392	0.441	0.166				
LDNO 132kV/EHV: LV Generation NHH		8	-0.203						
LDNO 132kV/EHV: LV Sub Generation NHH		8	-0.221						
LDNO 132kV/EHV: LV Generation Intermittent		0	-0.203					0.067	
LDNO 132kV/EHV: LV Generation Non-Intermittent		0	-1.637	-0.158	-0.026			0.067	
LDNO 132kV/EHV: LV Sub Generation Intermittent		0	-0.221					0.069	
LDNO 132kV/EHV: LV Sub Generation Non-Intermittent		0	-1.780	-0.172	-0.029			0.069	
LDNO 132kV/EHV: HV Generation Intermittent		0	-0.325			24.69		0.122	
LDNO 132kV/EHV: HV Generation Non-Intermittent		0	-2.596	-0.251	-0.049	24.69		0.122	
LDNO 132kV: Domestic Unrestricted		1	0.338			0.41			
LDNO 132kV: Domestic Two Rate		2	0.374	0.027		0.41			
LDNO 132kV: Domestic Off Peak (related MPAN)		2	0.029						
LDNO 132kV: Small Non Domestic Unrestricted		3	0.276			0.69			
LDNO 132kV: Small Non Domestic Two Rate		4	0.345	0.031		0.69			
LDNO 132kV: Small Non Domestic Off Peak (related MPAN)		4	0.032						
LDNO 132kV: LV Medium Non-Domestic		5-8	0.330	0.021		4.86			
LDNO 132kV: LV Sub Medium Non-Domestic		5-8	0.318	0.021		0.62			
LDNO 132kV: HV Medium Non-Domestic		5-8	0.421	0.028		24.57			
LDNO 132kV: LV HH Metered		0	1.658	0.138	0.016	1.07	0.28	0.056	0.28
LDNO 132kV: LV Sub HH Metered		0	1.869	0.153	0.018	1.16	0.48	0.073	0.48
LDNO 132kV: HV HH Metered		0	2.223	0.179	0.021	15.31	0.58	0.069	0.58
LDNO 132kV: NHH UMS category A		8	0.265						
LDNO 132kV: NHH UMS category B		1	0.307						
LDNO 132kV: NHH UMS category C		1	0.502						

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	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO 132kV: NHH UMS category D		1	0.236						
LDNO 132kV: LV UMS (Pseudo HH Metered)		0	4.297	0.257	0.097				
LDNO 132kV: LV Generation NHH		8	-0.118						
LDNO 132kV: LV Sub Generation NHH		8	-0.128						
LDNO 132kV: LV Generation Intermittent		0	-0.118					0.039	
LDNO 132kV: LV Generation Non-Intermittent		0	-0.951	-0.092	-0.015			0.039	
LDNO 132kV: LV Sub Generation Intermittent		0	-0.128					0.040	
LDNO 132kV: LV Sub Generation Non-Intermittent		0	-1.035	-0.100	-0.017			0.040	
LDNO 132kV: HV Generation Intermittent		0	-0.189			14.35		0.071	
LDNO 132kV: HV Generation Non-Intermittent		0	-1.509	-0.146	-0.028	14.35		0.071	
LDNO 0000: Domestic Unrestricted		1	0.097			0.12			
LDNO 0000: Domestic Two Rate		2	0.107	0.008		0.12			
LDNO 0000: Domestic Off Peak (related MPAN)		2	0.008						
LDNO 0000: Small Non Domestic Unrestricted		3	0.079			0.20			
LDNO 0000: Small Non Domestic Two Rate		4	0.099	0.009		0.20			
LDNO 0000: Small Non Domestic Off Peak (related MPAN)		4	0.009						
LDNO 0000: LV Medium Non-Domestic		5-8	0.094	0.006		1.39			
LDNO 0000: LV Sub Medium Non-Domestic		5-8	0.091	0.006		0.18			
LDNO 0000: HV Medium Non-Domestic		5-8	0.120	0.008		7.02			
LDNO 0000: LV HH Metered		0	0.474	0.039	0.005	0.31	0.08	0.016	0.08
LDNO 0000: LV Sub HH Metered		0	0.534	0.044	0.005	0.33	0.14	0.021	0.14
LDNO 0000: HV HH Metered		0	0.635	0.051	0.006	4.38	0.17	0.020	0.17
LDNO 0000: NHH UMS category A		8	0.076						
LDNO 0000: NHH UMS category B		1	0.088						
LDNO 0000: NHH UMS category C		1	0.143						
LDNO 0000: NHH UMS category D		1	0.067						
LDNO 0000: LV UMS (Pseudo HH Metered)		0	1.228	0.073	0.028				

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final LDNO Tariffs									
	Unique billing identifier	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess capacity charge (p/kVA)
LDNO 0000: LV Generation NHH		8	-0.034						
LDNO 0000: LV Sub Generation NHH		8	-0.037						
LDNO 0000: LV Generation Intermittent		0	-0.034					0.011	
LDNO 0000: LV Generation Non-Intermittent		0	-0.272	-0.026	-0.004			0.011	
LDNO 0000: LV Sub Generation Intermittent		0	-0.037					0.011	
LDNO 0000: LV Sub Generation Non-Intermittent		0	-0.296	-0.029	-0.005			0.011	
LDNO 0000: HV Generation Intermittent		0	-0.054			4.10		0.020	
LDNO 0000: HV Generation Non-Intermittent		0	-0.431	-0.042	-0.008	4.10		0.020	

Annex 5 – Schedule of Line Loss Factors

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - 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	00:00 - 00:30 07:30 - 24:00
Monday to Friday Nov to Feb	16:00 – 19:00	07:30 – 16:00	00:30 - 07:30	00:00 - 00:30 19:00 - 24:00
Saturday and Sunday All Year			00:30 - 07:30	00:00 - 00:30 07:30 - 24:00
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	1.086	1.080	1.069	1.073	100, 101, 105, 106, 194, 200, 201, 294, 300, 603, 697, 700, 701, 800, 801, 810, 811, 843, 860, 861, 862, 863
Low Voltage Substation	1.063	1.061	1.057	1.057	344, 602, 604, 717
High Voltage Network	1.047	1.044	1.034	1.039	400, 606, 698
High Voltage Substation	1.032	1.031	1.026	1.028	N/A
33kV connected	1.024	1.023	1.018	1.020	N/A
66kV connected	1.039	1.039	1.035	1.035	N/A
66/HV connected	1.049	1.048	1.045	1.044	N/A
132/33kV connected	1.015	1.014	1.013	1.013	N/A
132/66kV connected	1.015	1.014	1.012	1.013	N/A
132/HV connected	1.017	1.016	1.015	1.015	N/A
132kV connected	1.010	1.009	1.006	1.008	N/A

EHV Site Specific LLFs					
Demand					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Aberystwyth - Manweb	N/A	N/A	N/A	N/A	DNO Interconnector
Corus Trostre	1.009	1.009	1.009	1.009	504
Corus Orb	1.005	1.005	1.005	1.005	505
ABB Cornelly	1.024	1.023	1.018	1.020	507
Bettws	1.010	1.009	1.006	1.008	508
Blaen Bowi	1.024	1.023	1.018	1.020	509
Mir Steel	1.000	1.000	1.000	1.000	510
Boc Margam	1.001	1.001	1.001	1.001	511
Ford Bridgend	1.006	1.006	1.005	1.006	512
Alcoa	1.002	1.002	1.012	1.002	513
Celsa Rod Mills	1.008	1.007	1.008	1.008	514
Murphy Oil	1.019	1.019	1.020	1.020	515
Chevron	1.004	1.004	1.004	1.004	517
Interbrew Magor USKM	1.005	1.005	1.005	1.005	518
Mainline Pipelines	1.019	1.019	1.019	1.019	519
Celsa 33 11	1.017	1.018	1.018	1.018	520
Tower	1.050	1.039	1.042	1.048	521
Lafarge - Blue Circle	1.001	1.001	1.002	1.002	522
Inco	1.004	1.004	1.004	1.004	529
Swansea University	1.011	1.013	1.011	1.012	531
DCWW Nantgaredig	1.140	1.111	1.112	1.109	532
Bridgend Paper Mill	1.017	1.017	1.017	1.017	533
Momentive Chemicals	1.005	1.005	1.005	1.005	534
Monsanto	1.006	1.006	1.006	1.006	535
Dow Corning	1.003	1.003	1.003	1.003	536
DCWW Rover Way	1.006	1.006	1.006	1.006	538
Simms metals	1.002	1.002	1.002	1.002	539
Milford Energy	1.011	1.011	1.010	1.010	541
SHLNG	1.013	1.013	1.012	1.012	542
Felindre	1.004	1.009	1.003	1.005	545
Timet	1.004	1.004	1.005	1.005	546
Blaen Cregan	1.039	1.039	1.035	1.035	547
Blaengwen	1.010	1.009	1.006	1.008	548
Bryn Titli	1.039	1.039	1.035	1.035	549
Crymlin Burrows	1.007	1.007	1.007	1.007	571
Dyffryn Brodyn	1.024	1.023	1.018	1.020	572
Llyn Brianne	1.024	1.023	1.018	1.020	574
Maerdy	1.024	1.023	1.018	1.020	575
Margam Biomass	1.024	1.023	1.018	1.020	577
Newport Biomass	1.010	1.009	1.006	1.008	578
Pwllfa Gwatkin	1.024	1.023	1.018	1.020	579
Taff Ely	1.024	1.023	1.018	1.020	580
Trecatti	1.024	1.023	1.018	1.020	581
Withy Hedges	1.024	1.023	1.018	1.020	582

EHV Site Specific LLFs					
Demand					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Parc Cynog	1.024	1.023	1.018	1.020	583
Parc Cynog (Pendine)	1.024	1.023	1.018	1.020	584
Maesgwyn	1.010	1.009	1.006	1.008	585
Ferndale Wind Farm	1.024	1.023	1.018	1.020	586
Pant y Wal WF	1.039	1.039	1.035	1.035	587
Mynydd Portref	1.024	1.023	1.018	1.020	588
Newton Down	1.024	1.023	1.018	1.020	589
Camford	1.032	1.031	1.026	1.028	593
Hoover	1.032	1.031	1.026	1.028	594
University Hospital of Wales	1.032	1.031	1.026	1.028	620
QuinetiQ	1.032	1.031	1.026	1.028	622
Western Coal	1.024	1.023	1.018	1.020	623
Tregaron	1.032	1.031	1.026	1.028	625
Waunarlwydd STOR	1.024	1.023	1.018	1.020	627
Briton Ferry STOR	1.024	1.023	1.018	1.020	628
Hirwaun STOR	1.024	1.023	1.018	1.020	629
Ffos Las PV	1.024	1.023	1.018	1.020	631
Pont Andrew PV	1.024	1.023	1.018	1.020	632
Tata Margam Grange	1.001	1.001	1.001	1.001	880
Tata Margam CefnG	1.001	1.001	1.001	1.001	881
Tir John STOR	1.024	1.023	1.018	1.020	882
Wear Point WF	1.024	1.023	1.018	1.020	883
West Farm PV	1.024	1.023	1.018	1.020	884
Jordanston Farm PV	1.024	1.023	1.018	1.020	885
Rudbaxton PV	1.024	1.023	1.018	1.020	886
Centrica	0.997	0.997	0.998	0.997	7051
British Energy	1.005	1.005	1.006	1.005	7159
Aberaman Park	1.018	1.020	1.023	1.019	7163
Pembroke Dock Kronos PV	tba	tba	tba	tba	tba
Whitland Kronos PV	tba	tba	tba	tba	tba
Mynydd y Gwrhyd PV	tba	tba	tba	tba	tba

EHV Site Specific LLFs					
Generation					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Tata Margam export	1.001	1.009	1.006	1.008	601
Solutia/Monsanto Exports	1.017	1.016	1.015	1.015	617
Murphy Oil	1.026	1.026	1.026	1.026	618
Interbrew Magor Exports	1.006	1.006	1.007	1.007	619
Tower Export	1.024	1.023	1.018	1.020	621
Fort James Export	1.024	1.023	1.018	1.020	633
Dow Corning Export	1.003	1.003	1.003	1.003	636
Pont Andrew PV Export	1.024	1.023	1.018	1.020	642
Ffos Las PV Export	1.024	1.023	1.018	1.020	643

EHV Site Specific LLFs					
Generation					
Site	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC**
Tata Margam export	1.001	1.009	1.006	1.008	601
Hirwaun STOR Export	1.024	1.023	1.018	1.020	644
Briton Ferry STOR	1.024	1.023	1.018	1.020	645
Waunarlwydd STOR Export	1.024	1.023	1.018	1.020	646
Taff Ely WF Export	1.030	1.030	1.031	1.031	650
Bryn Titli WF Export	1.137	1.138	1.139	1.139	651
Dyffryn Brodyn WF Export	1.144	1.143	1.143	1.146	652
Llyn Briane Export	1.131	1.131	1.145	1.148	653
Tregaron	1.032	1.031	1.026	1.028	658
Parc Cynog WF Export	1.121	1.121	1.119	1.119	659
Blaen Bowi WF Export	1.129	1.126	1.130	1.130	660
Margam Biomass Export	0.997	0.997	0.997	0.998	661
Trecatti Export	1.042	1.041	1.041	1.042	662
Blaen Cregan WF Export	1.009	1.009	1.011	1.012	663
ABB Cornelly Export	1.019	1.021	1.019	1.021	664
Crymlin Burrows Export	1.026	1.026	1.026	1.026	665
Withyhedges Landfil Export	1.056	1.057	1.057	1.057	666
Parc Cycog (Pendine WF) Exports	1.067	1.069	1.070	1.070	667
Blaengwen WF Exports	1.049	1.050	1.051	1.051	668
Pwlfa Watkin Export	1.032	1.034	1.032	1.032	670
Bettws Export	1.010	1.009	1.006	1.008	674
Maerdy Windfarm	1.024	1.023	1.018	1.020	676
Newport Biomass	1.010	1.009	1.006	1.008	677
Milford Energy	1.016	1.017	1.017	1.017	678
Ferndale Windfarm	1.024	1.023	1.018	1.020	679
Maesgwyn	1.014	1.014	1.015	1.015	684
Pant y Wal WF Export	1.039	1.039	1.035	1.035	685
Mynydd Portref	1.024	1.023	1.018	1.020	686
Newton Down	1.024	1.023	1.018	1.020	687
Tir John STOR Export	1.024	1.023	1.018	1.020	790
West Farm PV Export	1.024	1.023	1.018	1.020	791
Jordanston Farm PV Export	1.024	1.023	1.018	1.020	792
Rudbaxton PV Export	1.024	1.023	1.018	1.020	793
Wear Point WF Export	1.024	1.023	1.018	1.020	940
Centrica Barry Export	0.997	0.997	0.998	0.997	7051
District Energy Aberdare	1.018	1.020	1.023	1.019	7163
District Energy Solutia	1.005	1.005	1.006	1.005	7159
Pembroke Dock PV Export	tba	tba	tba	tba	tba
Whitland PV Export	tba	tba	tba	tba	tba
Mynydd y Gwrhyd PV Export	tba	tba	tba	tba	tba

Annex 6 - Un-scaled [nodal /network group] costs

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final Nodal/Zonal charges					
Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
NEWW53		0.000	0.050622		
WOOD5		0.739	6.843575		
ROBE51		0.000	9.898096		
ROBE52		0.000	9.879372		
TEXA5A		0.000	0		
TEXA5B		0.000	0		
WATE51		0.000	7.408036		
WATE52		0.000	7.864749		
BRIF5		0.786	1.893729		
GOWE3		0.012	0.235097		
LAMP1T		9.130	0.391597		
LLAN1T		8.833	0.728681		
LLEL5A		1.715	1.308772		
MORR5		2.142	0.579525		
MORN5		0.206	0.56336		
SWWF5		0.003	1.56765		
BOCM51		0.000	0.163321		
FORB52		0.000	0.580415		
WIND5		0.164	6.915843		
SULG5		0.665	0.001192		
GRAT5		3.393	-0.019606		
SPVL31		1.056	1.910564		
CARE5		3.799	0		
CARS5		0.582	-0.012412		
TROW5		1.176	0.002104		
MERE5		1.861	10.04106		
PYCN5		1.236	0.220544		
TALB5		2.842	0.025638		
NANT5		0.743	0.00691		
PENC5		3.679	1.153837		
UPPB5		2.532	0		
PEGG5		2.681	9.552186		
CWMB5		1.505	0.131982		
LLTA5		2.523	0.432606		
NEWE5A		2.607	0.169195		
NEWE5B		1.501	0.168866		
NEWW5		2.400	0.052013		
PANT5		2.833	0.128653		
MAGO5		0.197	0.174641		
CRUM5		2.878	9.355329		
POPN51		0.077	0.313099		

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final Nodal/Zonal charges					
Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
POPN52		0.077	0.313099		
EBBW5		0.501	4.746544		
RASW5		2.798	0.905498		
SHHK3		0.000	9.761311		
ROVE5		0.383	0.000138		
RODM5		0.000	0		
CAEA5		0.231	0.254311		
CEFN6		1.297	0		
LLYN5		0.410	0.255155		
OGMV5		0.208	0.252328		
BRAW5		0.063	19.64097		
BROF5		4.712	23.98156		
FISH5		0.159	22.47489		
GOLD5		0.580	11.78442		
HAVP5		0.252	15.33982		
MERB5		0.839	12.06632		
MILP5		0.007	16.92451		
NEVE5		0.754	23.24161		
NEYL5		4.022	15.09745		
PEBL5		2.287	13.86347		
STFL5		0.187	19.96824		
STTW5		5.058	11.35109		
STDA5		0.342	20.09378		
STEY5		1.510	16.77125		
TENB5		0.005	23.09638		
LLCY5		0.123	1.738786		
FORJ5		0.000	1.463261		
GETH5		0.182	1.781862		
JERM5		0.130	1.506999		
STRA5		0.407	9.887413		
TIRJ7		0.004	1.469936		
UPBK5		0.717	10.94805		
COMS5		0.755	6.462332		
VICR5		0.806	8.51221		
WERN5		0.073	1.878533		
YNST5		0.881	8.141591		
CLAS5		0.004	0.565721		
GARN5		0.140	0.616591		
FELI3		0.012	0		
INCS5		0.000	0.254092		
LIME5		0.140	0.625979		
WAUN3		0.636	0		
BISH51		1.083	4.650894		

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Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
BISH52		1.669	6.091808		
LRHI5		1.611	5.344285		
RAVE5		1.408	5.549893		
SKET5		1.147	5.01807		
SWAT5		0.063	4.532533		
UPLA5		0.261	5.214361		
SWAU5		0.000	4.94034		
WESX5		0.989	7.247881		
KIDW5		0.364	3.589807		
MAES5		1.687	3.109416		
NEWL5		2.433	3.503282		
WESF5		0.083	3.402614		
HEND5		0.129	0.907549		
MEIN5		-0.107	3.557195		
PANF5		1.144	1.601111		
PONY5		0.394	3.583996		
CRHA5		0.086	1.280272		
TUMB5		1.716	1.549939		
LFYR5		0.218	8.124536		
PEND51		0.313	7.211972		
STCL5		0.044	6.885194		
WHIT5		0.005	8.188985		
ABAE51		0.000	11.5197		
BLAP5		2.459	14.88264		
BRID5		1.052	15.41446		
CARG5		0.141	15.81245		
CWFR5		0.247	7.186796		
LAMP5		0.306	10.71833		
LDOV5		3.511	9.055741		
LLAY5		0.392	13.33603		
LGAD5		1.322	8.643571		
LLAN5		0.531	11.35226		
LDEI5		3.172	8.050318		
LWNI5		1.927	12.00674		
MANO3		4.766	4.150185		
NANG5		0.945	8.476398		
NCES5		0.194	13.7235		
PONA5		0.249	9.904794		
RHOS5		0.209	11.38033		
TREG5		-0.043	10.15936		
TREG5		-0.043	10.15936		
TREG5		-0.043	10.15936		
TREG5		-0.043	10.15936		

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Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
TREV5		0.744	6.956356		
WGWB3		3.557	4.59408		
ABEC5		0.635	3.76593		
GWAU5		2.000	2.682351		
POND5		3.758	2.868568		
TRAV5		4.296	2.5742		
BRTE5		1.449	5.899484		
LITC5		1.836	6.471137		
LLAG51		0.088	6.911419		
LLAG52		0.088	6.911419		
NOTT5		0.689	4.512385		
PYLE5		1.053	4.214692		
SCHW51		6.249	6.352468		
ABTC3		1.807	-0.079928		
BOVE5		1.398	2.175255		
BROA5		1.261	1.177997		
BRHI5		0.217	0.77891		
COUR5		1.256	1.172544		
COWB5		0.378	2.346454		
EAST5		0.650	1.801247		
SHIP5		1.262	1.18582		
PARK5		0.844	5.904485		
SAND5		0.548	2.537477		
TAFF5		1.582	3.031313		
ASHG5		1.192	-0.033793		
BIRC5		1.436	-5.489091		
CRWY5		1.168	4.455707		
CYNC5		2.224	3.436507		
GKTR5		0.000	2.104798		
HEAT5		2.335	4.934836		
HHOS5		0.144	4.724774		
LLIS5		1.489	-5.495652		
NORT5		1.120	7.20646		
STME5		0.090	4.125949		
CREI5		0.385	2.815757		
IRON5		1.444	2.812719		
MILL5		0.017	4.210129		
MORL5		0.141	3.788962		
GASY5		0.214	2.557927		
LADY5		1.054	3.386534		
MIDD5		2.612	4.868618		
MOUA5		2.253	5.259975		
NELS5		1.180	3.237804		

Western Power Distribution (South Wales) plc - Effective from 1 April 2013 - Final Nodal/Zonal charges					
Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
TONY5		1.858	5.924895		
WATT5		1.978	5.202978		
ABTY5		3.129	12.73115		
NANW5		7.982	12.59915		
PENT5		0.588	13.90231		
SWRD5		0.197	13.46901		
ABDA5		2.147	9.646569		
ABEP5		1.269	4.241861		
WSTC3		3.718	0.979246		
HIRW5		0.623	3.049687		
MAER5		0.145	3.509819		
TOWE5		-0.001	3.348756		
YNYS5		5.002	3.520641		
CANT5		0.484	4.789109		
ELY_5		0.019	5.71749		
FAIR5		3.491	7.127097		
HIGH5		1.452	7.414681		
LLDO5		1.130	6.064015		
PENA5		1.178	8.085401		
SANA5		0.911	4.699538		
CAER5		1.879	7.661452		
CATN5		0.009	0.30351		
ENER5		1.495	0.031166		
TRET5		0.400	1.658958		
ABGA5		0.778	1.543663		
ABSY5		1.623	3.568941		
BLAE5		4.344	3.527511		
MONM5		0.434	4.217601		
USK_5		4.445	3.99897		
BREC5		0.909	9.011198		
BUIL5		0.761	11.12993		
CRIC5A		0.049	4.621433		
GLAS5		1.866	9.438423		
LLDR5		1.246	11.32665		
RHAY5		4.083	11.41771		
CALD5		0.137	1.223182		
CHEP5		0.902	3.894605		
NEWH5		0.058	1.249178		
STAR5		0.019	1.233381		
SUDB5		0.143	1.218032		
ABTI5		1.364	9.781449		
CWMF5		4.298	20.82768		
POLL5		2.782	8.397451		

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Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
BRMA5		0.149	6.411816		
TRED5		2.415	6.134928		
NEWS5		2.735	0.092767		
ORBW5		0.000	0.639289		
RING5		0.902	2.630783		
WHIH31		0.523	0.089109		
RGST5		2.936	0.605808		
ALPH31		0.000	0		
ALPH32		0.000	0		
SIMS5		0.000	-0.000626		
TBSC3		1.534	1.403597		
WATG51		0.000	7.369703		
WATG52		0.000	7.928466		
BFGF3		1.116	0.555463		
HIGF3		6.642	0.975884		
BLBW31		6.039	6.786835		
MAES1		0.979	-0.023259		
BTWS1		0.785	0.001078		
MBIO3		0.862	2.432015		
SULG1		0.001	0		
BRIE3		0.501	0.08666		
NBIO1		-0.011	0		
BLCR6		0.249	0.010834		
FFOR6		0.247	-0.011152		
PEMD3G		3.831	9.957615		
WEAR3G		5.936	12.11439		
JORD3T		12.184	11.74174		
CRBW3		0.854	0.563252		
WNGF3		2.425	2.706823		
PONA3G		3.241	1.337395		
FOSL3G		3.293	1.058753		
DYFG3		4.894	4.722401		
PCYN32		4.191	4.660683		
PCYN31		4.191	4.660683		
WHIT3G		-0.463	18.87181		
LBRI3		3.349	5.096953		
TREG5		-0.049	10.01642		
TREG5		-0.049	10.01642		
TREG5		-0.049	10.01642		
TREG5		-0.049	10.01642		
PGTN3		1.400	0.797614		
MYNG3T		1.846	0.797497		
CORN3		1.156	2.815595		

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Node/Zone ID	**Geographical name**	**Charge 1 local (£/kVA)**	**Charge 1 remote (£/kVA)**	**Charge 2 local (£/kVA)**	**Charge 2 remote (£/kVA)**
TEWG3		5.148	0		
MYNP3T		5.148	0		
ABPK3		1.998	1.365767		
FERN3G		8.450	0.345281		
MAEW3G		7.226	0.995595		
BTWG6		11.065	1.878347		
TCAT31		1.667	8.540953		
BLAE1		6.206	0.570361		
WTHY3		1.142	12.86818		

Annex 7 – Addendum to charging statement detailing Charges for New Designated EHV Properties

There are no new sites at the time of publishing.