

**WESTERN POWER
DISTRIBUTION**

Serving the Midlands, South West and Wales

Western Power Distribution

(South West) plc

Use of System Charging Statement

Indicative Notice

Effective from 1st April 2012

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

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1. Introduction

- 1.1. This statement has been prepared in order to discharge Western Power Distribution (South West) plc's (WPD) obligation under Standard Licence Condition 14 of our Electricity Distribution Licence. It contains information on our charges¹ 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, the EHV Distribution Charging Methodology (EDCM) for the import charges for Designated EHV Properties and WPD's Long Run Incremental Charging Methodology (LRIC) for the export charges 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.

- 1.5. For all other queries please contact our general enquiries telephone number: 0845 601 2989, 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) registered 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). 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 00.00-07.00 GMT (TPR 00206) 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 00.00-07.00 GMT (TPR 00206) 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 23.30 hours clock time. If other regimes are installed in a premise, unless otherwise agreed WPD charge DUoS based on a default regime of 23.30-06.30 clock time (TPR 00221) using the half-hourly kWh by settlement class.
 - For profile class 1 to 4 customers on measurement class E, night is defined as units supplied between 00.00 and 07.00 clock time.
 - For profile class 5 to 8 customers on measurement class E, night is defined as units supplied between 23.30 and 06.30 clock time.
- 2.10. To determine the appropriate charge rate for each SSC/TPR a lookup table is provided on the ENA website².
- 2.11. The Domestic Off-Peak and Small Non-Domestic Off-Peak charges are supplementary to either an Unrestricted or a Two Rate charge.

² <http://2010.energynetworks.org/storage/DNO CDCM SSC TPR decoding for unit rates version3.xlsx>

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 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) registered 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. The time periods for the application of unit charges to LV & HV Designated Properties are as follows:

| | Monday to Friday | Weekends |
|---------------------------|--|--|
| unit rate 1: red | 17:00 to 19:00 | |
| unit rate 2: amber | 07:30 to 17:00 19:00 to 21:30 | 16:30 to 19:30 |
| unit rate 3: green | 00:00 to 07:30 21:30 to 24:00 | 00:00 to 16:30 19:30 to 24:00 |

All times are UK clock times.

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

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 19:00, 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.

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 2001³ and where operated in accordance with BSCP520⁴.

2.25. The time periods for the application of unit charges to connections which are pseudo HH metered are the same as those in paragraph 2.20.

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>

Use of System Charges Out of Area

2.26. WPD name 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 WPD 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

$$\text{Demand Chargeable Capacity} = \text{Max}(2 \times \sqrt{\text{AI}^2 + \max(\text{RI}, \text{RE})^2}, \text{MIC})$$

Where:

AI = Import consumption in kWh

RI = Reactive import in kVAh

RE = Reactive export in kVAh

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 kVAh Import and kVAh Export values occurring at times of kWh Import are used.

Generation Chargeable Capacity

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

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

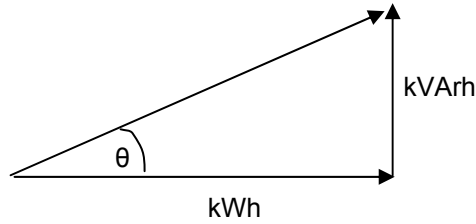
2.36. There is no minimum capacity threshold.

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:

$\cos \theta = \text{Power Factor}$



2.39. The chargeable reactive power is calculated as follows:

Demand Chargeable Reactive Power

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

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. The charge structure for Designated EHV Properties end-users embedded in Networks operated by LDNOs will be calculated individually using the EDCM.
- 2.51. 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 [DNO weblink].
- 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 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. WPD does not have any preserved tariffs.
- 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 DNO's networks is adjusted to take account of energy which is lost⁵ 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.bscentralservices.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.bscentralservices.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.

Demand Side Management

- 5.3. 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

None

- 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 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 proposes 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 through an Exit Point. Or A person from whom a User purchases, or proposes to purchase, electricity, at an Entry Point (who may from time to time be supplied with electricity as a Customer of that User (or another electricity supplier) through an Exit Point). |
| 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: <ul style="list-style-type: none"> • electric lines owned or operated by an authorised distributor that is used for the distribution of electricity from grid supply points or generation sets or other Entry Points to the points of delivery to Customers or Users; or • any transmission licensee in its capacity as operator of that licensee's transmission system or the 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. |
| 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. |

| Term | Definition |
|--------------------------------|--|
| 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 West) plc - Effective from April 2012 - INDICATIVE LV/HV Charges | | | | | | | | | | |
|--|------------|-----|-------------------|-------------------|-------------------|-------------------------|---------------------------|-------------------------------|--------------------------------|--------------|
| DNOs paste value cells A16:I40 from CDCM 3701 into cells A4:J28 | 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 | 10, 20 | 1 | 2.741 | 0.000 | 0.000 | 4.07 | | | | n/a |
| Domestic Two Rate | 30, 40 | 2 | 3.400 | 0.247 | 0.000 | 4.07 | | | | n/a |
| Domestic Off Peak (related MPAN) | 430 | 2 | 0.227 | 0.000 | 0.000 | 0.00 | | | | n/a |
| Small Non Domestic Unrestricted | 110 | 3 | 2.500 | 0.000 | 0.000 | 6.26 | | | | n/a |
| Small Non Domestic Two Rate | 210 | 4 | 2.593 | 0.246 | 0.000 | 6.26 | | | | n/a |
| Small Non Domestic Off Peak (related MPAN) | 251 | 4 | 0.232 | 0.000 | 0.000 | 0.00 | | | | n/a |
| LV Medium Non-Domestic | 570 | 5-8 | 2.262 | 0.236 | 0.000 | 34.02 | | | | n/a |
| LV Sub Medium Non-Domestic | 540 | 5-8 | 2.125 | 0.211 | 0.000 | 22.12 | | | | n/a |
| LV HH Metered | 570 | 0 | 20.607 | 0.251 | 0.161 | 8.43 | 2.43 | 0.327 | 2.43 | n/a |
| LV Sub HH Metered | 540 | 0 | 18.577 | 0.149 | 0.114 | 6.09 | 2.73 | 0.268 | 2.73 | n/a |
| HV HH Metered | 510 | 0 | 15.296 | 0.063 | 0.068 | 67.97 | 2.08 | 0.207 | 2.08 | n/a |
| NHH UMS | 980 | 1&8 | 3.203 | 0.000 | 0.000 | | | | | n/a |
| LV UMS (Pseudo HH Metered) | 970 | 0 | 45.977 | 1.446 | 1.104 | | | | | n/a |
| LV Generation NHH | 581 | 8 | -0.629 | 0.000 | 0.000 | | | | | n/a |
| LV Sub Generation NHH | 551 | 8 | -0.581 | 0.000 | 0.000 | | | | | n/a |
| LV Generation Intermittent | 581 | 0 | -0.629 | 0.000 | 0.000 | | | 0.142 | | n/a |
| LV Generation Non-Intermittent | 527 | 0 | -7.435 | -0.260 | -0.156 | | | 0.142 | | n/a |
| LV Sub Generation Intermittent | 551 | 0 | -0.581 | 0.000 | 0.000 | | | 0.122 | | n/a |
| LV Sub Generation Non-Intermittent | 526 | 0 | -6.973 | -0.228 | -0.142 | | | 0.122 | | n/a |
| HV Generation Intermittent | 521 | 0 | -0.358 | 0.000 | 0.000 | 29.21 | | 0.089 | | n/a |
| HV Generation Non-Intermittent | 524 | 0 | -4.778 | -0.083 | -0.076 | 29.21 | | 0.089 | | n/a |

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 (South West) plc - Effective from April 2012 - INDICATIVE EDCM Import Charges

| LLFC | Tariff name | Super red rate p/kWh | Fixed charge for demand p/day | Import capacity p/kVA/day | Exceeded import capacity charge (p/kVA/day) | Unique Identifier |
|------|-----------------|----------------------|-------------------------------|---------------------------|---|-------------------|
| 612 | Bradon Farm | 1.340 | 61.06 | 1.84 | 1.84 | 2200032168607 |
| 613 | Carland Cross | 0.585 | 0.53 | 1.54 | 1.54 | 2200040848888 |
| 614 | Cold Northcott | 3.756 | 3.59 | 4.55 | 4.55 | 2200030511311 |
| 615 | Forestmoor 1 | 6.105 | | 3.01 | 3.01 | 2200040863404 |
| 616 | Forestmoor 2 | 6.105 | | 3.01 | 3.01 | 2200040863431 |
| 617 | Four Burrows | 1.750 | 7.68 | 1.70 | 1.70 | 2200030109831 |
| 619 | St Breock | 3.623 | 6.68 | 1.83 | 1.83 | 2200030112133 |
| 625 | Marsh Barton | | 6.54 | 3.24 | 3.24 | 2200031995530 |
| 626 | Connon Bridge | 1.437 | 7.08 | 1.46 | 1.46 | 2200040571113 |
| 627 | Chelson | 6.988 | 4.62 | 1.16 | 1.16 | 2200040979020 |
| 628 | Darracott | 1.479 | 30.54 | 3.79 | 3.79 | 2200041957685 |
| 629 | Bears Down | 1.195 | 2.66 | 1.62 | 1.62 | 2200040164245 |
| 632 | St Day | 3.292 | 17.59 | 1.17 | 1.17 | 2200040473921 |
| 633 | Shooters Bottom | 7.583 | 4.45 | 1.54 | 1.54 | 2200041499771 |
| 634 | Heathfield | 3.426 | 5.66 | 1.68 | 1.68 | 2200041625596 |
| 635 | Goonhilly | 2.403 | 14.38 | 2.39 | 2.39 | 2200041845860 |
| 636 | Delabole | 3.689 | 1.80 | 3.41 | 3.41 | 2200041786674 |
| 637 | Fullabrook | | 236.34 | 1.52 | 1.52 | 2200041930489 |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EDCM Import Charges

| LLFC | Tariff name | Super red rate p/kWh | Fixed charge for demand p/day | Import capacity p/kVA/day | Exceeded import capacity charge (p/kVA/day) | Unique Identifier |
|------|-----------------------------|----------------------|-------------------------------|---------------------------|---|--------------------------------|
| 638 | North Petherwin 33kV Gen | 3.149 | 8.81 | 2.73 | 2.73 | New connection |
| 639 | Luxulyan PV 33kV Gen | 2.040 | 3.10 | 1.41 | 1.41 | New connection |
| 640 | Rolls Royce TT | 1.113 | 3285.59 | 1.17 | 1.17 | 2200040237104 2200030348639 |
| 642 | Woodland Barton PV 33kV Gen | 1.939 | 3.74 | 1.46 | 1.46 | New Connection |
| 643 | Manor PV Farm 33kV | 1.996 | 1.03 | 1.31 | 1.31 | 2200041978773 |
| 644 | Churchtown Farm PV 33kV | 18.352 | 1.06 | 1.33 | 1.33 | 2200041978852 |
| 645 | Trenouth PV 33kV | 1.201 | 7.33 | 1.43 | 1.43 | 2200041978791 |
| 647 | Howton Farm PV 33kV | | 1.04 | 1.86 | 1.86 | 2200041979874 |
| 648 | Chynoweth PV 33kV Gen | 0.555 | 3.24 | 1.64 | 1.64 | New Connection |
| 650 | BAE Systems | | 245.26 | 1.53 | 1.53 | 2200030346906 2200030346998 |
| 652 | East Langford PV 33kV | 2.985 | 1.35 | 2.21 | 2.21 | 2200041978728 |
| 653 | NINNIS PV 33kV Gen | 2.007 | 2.16 | 1.45 | 1.45 | New Connection |
| 654 | Willsland PV 33kV Gen | 2.167 | 1.04 | 2.30 | 2.30 | New Connection |
| 655 | Eastcombe PV 33kV Gen | 2.579 | 1.80 | 1.51 | 1.51 | New Connection |
| 660 | DML - Central | 3.609 | 5140.62 | 3.65 | 3.65 | 2200030348790 |
| 660 | DML - North | | 1545.64 | 4.01 | 4.01 | 2200030349242 |
| 662 | Causilgey PV 33kV Gen | 1.729 | 0.98 | 1.73 | 1.73 | New Connection |

**Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EDCM
Import Charges**

| LLFC | Tariff name | Super red rate p/kWh | Fixed charge for demand p/day | Import capacity p/kVA/day | Exceeded import capacity charge (p/kVA/day) | Unique Identifier |
|------|-------------------------|----------------------|-------------------------------|---------------------------|---|--------------------------------|
| 663 | Beechgrove Farm PV 33kV | 0.708 | 0.40 | 1.26 | 1.26 | 2200042042966 |
| 664 | Isles of Scilly | 27.452 | 15.51 | 1.53 | 1.53 | 2200041857484 |
| 665 | BLACKDITCH 33kV | 1.366 | 0.16 | 2.88 | 2.88 | 2200042019345 |
| 669 | Avonmouth Docks | 3.284 | 52.82 | 4.58 | 4.58 | 2200030348718 |
| 690 | Norbora | 0.578 | 172.93 | 8.35 | 8.35 | 2200030348620 |
| 692 | SWW Tamar | | 1229.08 | 3.67 | 3.67 | 2200030349084 2200032161977 |
| 694 | SWW Roadford | 2.191 | 152.97 | 5.31 | 5.31 | 2200030349075 2200032161930 |
| 695 | ST Regis | 0.969 | 948.92 | 6.77 | 6.77 | 2200030348319 2200030348328 |
| 696 | Tarmac | 7.453 | 272.45 | 4.70 | 4.70 | 2200030347928 |
| 697 | Abbeywood | 0.915 | 72.37 | 2.61 | 2.61 | 2200030348026 2200030348035 |
| 698 | HewlettPackard | 1.467 | 72.37 | 4.68 | 4.68 | 2200030347101 2200032161995 |
| 699 | Blagdon | 9.983 | 36.18 | 4.14 | 4.14 | 2200030354118 |
| 700 | BristolAirport | 11.821 | 72.37 | 4.26 | 4.26 | 2200031997529 2200031997477 |
| 701 | BGasHallen | 5.443 | 1372.94 | 1.68 | 1.68 | 2200031846059 |
| 702 | Portbury Dock | 5.893 | 193.84 | 2.72 | 2.72 | 2200030349260 |
| 703 | Whatley Quarry | 12.022 | 36.18 | 5.08 | 5.08 | 2200030348470 |
| 704 | FalmouthDocks | 2.783 | 72.37 | 4.16 | 4.16 | 2200030349093 2200040240630 |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EDCM Import Charges

| LLFC | Tariff name | Super red rate p/kWh | Fixed charge for demand p/day | Import capacity p/kVA/day | Exceeded import capacity charge (p/kVA/day) | Unique Identifier |
|------|-----------------------------|----------------------|-------------------------------|---------------------------|---|--------------------------------|
| 705 | AstraZeneca | 0.150 | 3696.27 | 2.58 | 2.58 | 2200040661200 2200040661219 |
| 706 | DairyCrestDavidstow | 9.457 | 871.82 | 4.52 | 4.52 | 2200040468930 |
| 707 | Hemyock | 5.935 | 1.72 | 1.37 | 1.37 | 2200041209970 |
| 709 | Royal United Hospital | 12.714 | 72.37 | 6.10 | 6.10 | 2200030346710 2200032196710 |
| 710 | Imerys1(Blackpool) | 1.909 | 72.37 | 3.38 | 3.38 | 2200032010850 |
| 710 | Imerys3(Trebal) | 1.714 | 878.71 | 3.74 | 3.74 | 2200032010879 |
| 710 | Imerys4(Bugle) | 1.863 | 78.23 | 2.91 | 2.91 | 2200030348382 |
| 710 | Imerys5(Drinnick) | 2.598 | 101.46 | 3.91 | 3.91 | 2200030348452 |
| 710 | Imerys6(Par) | 2.014 | 57.89 | 2.05 | 2.05 | 2200030348666 |
| 712 | Hill Barton Business Pk | 3.379 | | 1.70 | 1.70 | New Connection |
| 713 | Avonmouth BCC WF 33kV Gen | 4.575 | 12.03 | 1.51 | 1.51 | New Connection |
| 714 | Bodiniel PV Park 33kV Gen | 3.605 | 1.42 | 1.95 | 1.95 | New Connection |
| 715 | Garlenick WF 33kV | 1.837 | 12.47 | 1.49 | 1.49 | New Connection |
| 716 | Warleigh Barton PV 33kV Gen | 1.193 | 0.71 | 1.46 | 1.46 | New Connection |
| 717 | Winnards Perch PV 33kV Gen | 1.194 | 1.17 | 1.57 | 1.57 | New Connection |
| 750 | RR Power Development | | 2464.58 | 2.19 | 2.19 | 2200032138124 |

**Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EDCM
Import Charges**

| LLFC | Tariff name | Super red rate p/kWh | Fixed charge for demand p/day | Import capacity p/kVA/day | Exceeded import capacity charge (p/kVA/day) | Unique Identifier |
|------|---------------|----------------------|-------------------------------|---------------------------|---|--|
| 720 | Airbus UK Ltd | 3.140 | 144.73 | 2.97 | 2.97 | 2200030348986 2200032178340 2200032178368 2200032178377 2200041226558 2200041226567 |
| 759 | Langage | 4.122 | 244.16 | 1.35 | 1.35 | 2200041527904 |
| 7158 | Huntworth | 1.371 | 2.32 | 1.75 | 1.75 | n/a |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EHV Export Charges

| LLFC | Tariff name | Unit charge p/kWh | Fixed charge for generation p/day | Export capacity p/kVA/day | Exceeded export capacity charge (p/kVA/day) | Unique Identifier |
|------|-----------------------------|-------------------|-----------------------------------|---------------------------|---|-------------------|
| 666 | BLACKDITCH 33kV | N/A | N/A | 0.96 | 0.96 | 2200042019354 |
| 693 | SWW Roadford | N/A | N/A | N/A | N/A | 2200031824213 |
| 711 | Imerys1(Blackpool) | N/A | N/A | N/A | N/A | 2200031824542 |
| 711 | Imerys3(Trebal) | N/A | N/A | N/A | N/A | 2200031824738 |
| 711 | Imerys4(Bugle) | N/A | N/A | N/A | N/A | 2200030347690 |
| 711 | Imerys5(Drinnick) | N/A | N/A | N/A | N/A | 2200031824551 |
| 711 | Imerys6(Par) | N/A | N/A | N/A | N/A | 2200031824551 |
| 723 | North Petherwin 33kV Gen | N/A | N/A | 0.73 | 0.73 | New Connection |
| 724 | Luxulyan PV 33kV Gen | N/A | N/A | 0.57 | 0.57 | New Connection |
| 725 | Woodland Barton PV 33kV Gen | N/A | N/A | 0.31 | 0.31 | New Connection |
| 726 | Manor PV Farm 33kV | N/A | N/A | 0.15 | 0.15 | 2200041978782 |
| 727 | Churchtown Farm PV 33kV | N/A | N/A | -0.20 | -0.20 | 2200041978861 |
| 728 | Trenouth PV 33kV | N/A | N/A | 2.33 | 2.33 | 2200041978807 |
| 732 | Howton Farm PV 33kV | N/A | N/A | 0.18 | 0.18 | 2200041979883 |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EHV Export Charges

| LLFC | Tariff name | Unit charge p/kWh | Fixed charge for generation p/day | Export capacity p/kVA/day | Exceeded export capacity charge (p/kVA/day) | Unique Identifier |
|------|------------------------------|-------------------|-----------------------------------|---------------------------|---|-------------------|
| 733 | Chynoweth PV 33kV Gen | N/A | N/A | 0.95 | 0.95 | New Connection |
| 734 | CARLAND CROSS 33kV | N/A | N/A | 1.27 | 1.27 | 2200031664357 |
| 735 | East Langford PV 33kV | N/A | N/A | 0.14 | 0.14 | 2200041978737 |
| 736 | NINNIS PV 33kV Gen | N/A | N/A | 0.25 | 0.25 | New Connection |
| 737 | Willsland PV 33kV Gen | N/A | N/A | 0.18 | 0.18 | New Connection |
| 738 | Eastcombe PV 33kV Gen | N/A | N/A | 0.25 | 0.25 | New Connection |
| 741 | Marsh Barton Exports | N/A | N/A | N/A | N/A | 2200032024222 |
| 744 | Causilgey PV 33kV Gen | N/A | N/A | 0.04 | 0.04 | New Connection |
| 745 | Beechgrove Farm PV 33kV | N/A | N/A | 0.07 | 0.07 | 2200042042975 |
| 751 | RR Power Development Exports | N/A | N/A | N/A | N/A | 2200032050436 |
| 752 | CONNON BRIDGE LANDFILL 33kV | N/A | N/A | 0.07 | 0.07 | 2200040571122 |
| 753 | CHELSON GENERATOR 33kV | N/A | N/A | -3.37 | -3.37 | 2200040979039 |
| 754 | DARRACOTT MOOR WF 33kV | N/A | N/A | 0.68 | 0.68 | 2200041253506 |
| 757 | ST DAY LANDFILL 33kV | N/A | N/A | -0.26 | -0.26 | 2200040473940 |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EHV Export Charges

| LLFC | Tariff name | Unit charge p/kWh | Fixed charge for generation p/day | Export capacity p/kVA/day | Exceeded export capacity charge (p/kVA/day) | Unique Identifier |
|------|-------------------------------|-------------------|-----------------------------------|---------------------------|---|-------------------|
| 758 | Shooters Bottom Windfarm 33kV | N/A | N/A | -0.21 | -0.21 | 2200041499762 |
| 760 | HEATHFIELD Landfill 33kV | N/A | N/A | -14.06 | -14.06 | 2200041625587 |
| 761 | GOONHILLY WF 33kV | N/A | N/A | 1.81 | 1.81 | 2200041845850 |
| 762 | DELABOLE WF 33kV | N/A | N/A | 0.71 | 0.71 | 2200041786683 |
| 763 | FULLABROOK WF 132kV | N/A | N/A | 1.75 | 1.75 | 2200041930498 |
| 764 | Bears Down Exports | N/A | N/A | N/A | N/A | 2200040164254 |
| 765 | Bradon Farm Exports | N/A | N/A | N/A | N/A | 2200032168616 |
| 767 | Cold Northcott Exports | N/A | N/A | N/A | N/A | 2200031822971 |
| 768 | Forest Moor 1 Exports | N/A | N/A | N/A | N/A | 2200040863399 |
| 769 | Forest Moor 2 Exports | N/A | N/A | N/A | N/A | 2200040863422 |
| 770 | Four Burrows Exports | N/A | N/A | N/A | N/A | 2200031823558 |
| 772 | Isles of Scilly Exports | N/A | N/A | N/A | N/A | 2200031825680 |
| 775 | St Breock Exports | N/A | N/A | N/A | N/A | 2200031823530 |
| 776 | Avonmouth BCC WF 33kV Gen | N/A | N/A | -0.33 | -0.33 | New Connection |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE EHV Export Charges

| LLFC | Tariff name | Unit charge p/kWh | Fixed charge for generation p/day | Export capacity p/kVA/day | Exceeded export capacity charge (p/kVA/day) | Unique Identifier |
|------|-----------------------------|-------------------|-----------------------------------|---------------------------|---|-------------------|
| 777 | Bodiniel PV Park 33kV Gen | N/A | N/A | 0.10 | 0.10 | New Connection |
| 778 | Garlenick WF 33kV | N/A | N/A | 1.07 | 1.07 | New Connection |
| 779 | Warleigh Barton PV 33kV Gen | N/A | N/A | 0.19 | 0.19 | New Connection |
| 780 | Winnards Perch PV 33kV Gen | N/A | N/A | 2.89 | 2.89 | New Connection |
| 7158 | Huntworth Generator | N/A | N/A | N/A | N/A | N/A |

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

| Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE 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 | 510 | 5-8 | 2.076 | 0.126 | 0.000 | 122.30 | | | |
| Notes: | | | | | | | | | |

| 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) |
| HV Sub HH Metered | 522 | 0 | 13.987 | 0.030 | 0.052 | 67.97 | 1.48 | 0.175 | 1.48 |
| HV Sub Generation Non-Intermittent | 525 | 0 | -4.464 | -0.066 | -0.067 | 29.21 | | 0.064 | |
| HV Sub Generation Intermittent | 523 | 0 | -0.328 | 0.000 | 0.000 | 29.21 | | 0.064 | |
| Notes: | | | | | | | | | |

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

| Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LDNO Tariffs | | | | | | | | |
|---|-----|----------------------|----------------------|----------------------|----------------------------|---------------------------------|--|---|
| Copy from CDCM "Tariffs!D41:I73" and paste values into C4 | 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 | 1 | 1.760 | | | 2.61 | | | |
| LDNO LV: Domestic Two Rate | 2 | 2.183 | 0.159 | | 2.61 | | | |
| LDNO LV: Domestic Off Peak (related MPAN) | 2 | 0.146 | | | | | | |
| LDNO LV: Small Non Domestic Unrestricted | 3 | 1.605 | | | 4.02 | | | |
| LDNO LV: Small Non Domestic Two Rate | 4 | 1.665 | 0.158 | | 4.02 | | | |
| LDNO LV: Small Non Domestic Off Peak (related MPAN) | 4 | 0.149 | | | | | | |
| LDNO LV: LV Medium Non-Domestic | 5-8 | 1.452 | 0.152 | | 21.84 | | | |
| LDNO LV: LV HH Metered | 0 | 13.230 | 0.161 | 0.103 | 5.41 | 1.56 | 0.210 | 1.56 |
| LDNO LV: NHH UMS | 1&8 | 2.056 | | | | | | |
| LDNO LV: LV UMS (Pseudo HH Metered) | 0 | 29.517 | 0.928 | 0.709 | | | | |
| LDNO LV: LV Generation NHH | 8 | -0.629 | | | | | | |
| LDNO LV: LV Generation Intermittent | 0 | -0.629 | | | | | 0.142 | |
| LDNO LV: LV Generation Non-Intermittent | 0 | -7.435 | -0.260 | -0.156 | | | 0.142 | |
| LDNO HV: Domestic Unrestricted | 1 | 1.025 | | | 1.52 | | | |
| LDNO HV: Domestic Two Rate | 2 | 1.271 | 0.092 | | 1.52 | | | |
| LDNO HV: Domestic Off Peak (related MPAN) | 2 | 0.085 | | | | | | |
| LDNO HV: Small Non Domestic Unrestricted | 3 | 0.934 | | | 2.34 | | | |
| LDNO HV: Small Non Domestic Two Rate | 4 | 0.969 | 0.092 | | 2.34 | | | |
| LDNO HV: Small Non Domestic Off Peak (related MPAN) | 4 | 0.087 | | | | | | |
| LDNO HV: LV Medium Non-Domestic | 5-8 | 0.845 | 0.088 | | 12.72 | | | |
| LDNO HV: LV HH Metered | 0 | 7.702 | 0.094 | 0.060 | 3.15 | 0.91 | 0.122 | 0.91 |
| LDNO HV: LV Sub HH Metered | 0 | 11.147 | 0.089 | 0.068 | 3.65 | 1.64 | 0.161 | 1.64 |
| LDNO HV: HV HH Metered | 0 | 10.792 | 0.044 | 0.048 | 47.96 | 1.47 | 0.146 | 1.47 |
| LDNO HV: NHH UMS | 1&8 | 1.197 | | | | | | |
| LDNO HV: LV UMS (Pseudo HH Metered) | 0 | 17.185 | 0.540 | 0.413 | | | | |
| LDNO HV: LV Generation NHH | 8 | -0.629 | | | | | | |
| LDNO HV: LV Sub Generation NHH | 8 | -0.581 | | | | | | |
| LDNO HV: LV Generation Intermittent | 0 | -0.629 | | | | | 0.142 | |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LDNO Tariffs

| Copy from CDCM "Tariffs!D41:I73" and paste values into C4 | 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 Generation Non-Intermittent | 0 | -7.435 | -0.260 | -0.156 | | | 0.142 | |
| LDNO HV: LV Sub Generation Intermittent | 0 | -0.581 | | | | | 0.122 | |
| LDNO HV: LV Sub Generation Non-Intermittent | 0 | -6.973 | -0.228 | -0.142 | | | 0.122 | |
| LDNO HV: HV Generation Intermittent | 0 | -0.358 | | | | | 0.089 | |
| LDNO HV: HV Generation Non-Intermittent | 0 | -4.778 | -0.083 | -0.076 | | | 0.089 | |
| Copy from EDCM "LDNORev!B460:G569" and paste values into C38 | | | | | | | | |
| LDNO HVplus: Domestic Unrestricted | 1 | 0.802 | | | 1.19 | | | |
| LDNO HVplus: Domestic Two Rate | 2 | 0.995 | 0.072 | | 1.19 | | | |
| LDNO HVplus: Domestic Off Peak (related MPAN) | 2 | 0.066 | | | | | | |
| LDNO HVplus: Small Non Domestic Unrestricted | 3 | 0.732 | | | 1.83 | | | |
| LDNO HVplus: Small Non Domestic Two Rate | 4 | 0.759 | 0.072 | | 1.83 | | | |
| LDNO HVplus: Small Non Domestic Off Peak (related MPAN) | 4 | 0.068 | | | | | | |
| LDNO HVplus: LV Medium Non-Domestic | 5-8 | 0.662 | 0.069 | | 9.96 | | | |
| LDNO HVplus: LV Sub Medium Non-Domestic | | 0.999 | 0.099 | | 10.40 | | | |
| LDNO HVplus: HV Medium Non-Domestic | | 1.147 | 0.070 | | 67.58 | | | |
| LDNO HVplus: LV HH Metered | 0 | 6.033 | 0.073 | 0.047 | 2.47 | 0.71 | 0.096 | 0.71 |
| LDNO HVplus: LV Sub HH Metered | 0 | 8.731 | 0.070 | 0.054 | 2.86 | 1.28 | 0.126 | 1.28 |
| LDNO HVplus: HV HH Metered | 0 | 8.452 | 0.035 | 0.038 | 37.56 | 1.15 | 0.114 | 1.15 |
| LDNO HVplus: NHH UMS | 1&8 | 0.938 | | | | | | |
| LDNO HVplus: LV UMS (Pseudo HH Metered) | 0 | 13.459 | 0.423 | 0.323 | | | | |
| LDNO HVplus: LV Generation NHH | 8 | -0.296 | | | . | | | |
| LDNO HVplus: LV Sub Generation NHH | 8 | -0.321 | | | . | | | |
| LDNO HVplus: LV Generation Intermittent | 0 | -0.296 | | | . | | 0.067 | |
| LDNO HVplus: LV Generation Non-Intermittent | 0 | -3.494 | -0.122 | -0.073 | . | | 0.067 | |
| LDNO HVplus: LV Sub Generation Intermittent | 0 | -0.321 | | | . | | 0.067 | |
| LDNO HVplus: LV Sub Generation Non-Intermittent | 0 | -3.853 | -0.126 | -0.078 | . | | 0.067 | |
| LDNO HVplus: HV Generation Intermittent | 0 | -0.358 | | | 29.21 | | 0.089 | |
| LDNO HVplus: HV Generation Non-Intermittent | 0 | -4.778 | -0.083 | -0.076 | 29.21 | | 0.089 | |
| LDNO EHV: Domestic Unrestricted | 1 | 0.624 | | | 0.93 | | | |
| LDNO EHV: Domestic Two Rate | 2 | 0.774 | 0.056 | | 0.93 | | | |
| LDNO EHV: Domestic Off Peak (related MPAN) | 2 | 0.052 | | | | | | |
| LDNO EHV: Small Non Domestic Unrestricted | 3 | 0.569 | | | 1.43 | | | |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LDNO Tariffs

| Copy from CDCM "Tariffs!D41:I73" and paste values into C4 | 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: Small Non Domestic Two Rate | 4 | 0.591 | 0.056 | | 1.43 | | | |
| LDNO EHV: Small Non Domestic Off Peak (related MPAN) | 4 | 0.053 | | | | | | |
| LDNO EHV: LV Medium Non-Domestic | 5-8 | 0.515 | 0.054 | | 7.75 | | | |
| LDNO EHV: LV Sub Medium Non-Domestic | | 0.777 | 0.077 | | 8.09 | | | |
| LDNO EHV: HV Medium Non-Domestic | | 0.893 | 0.054 | | 52.58 | | | |
| LDNO EHV: LV HH Metered | 0 | 4.694 | 0.057 | 0.037 | 1.92 | 0.55 | 0.074 | 0.55 |
| LDNO EHV: LV Sub HH Metered | 0 | 6.793 | 0.054 | 0.042 | 2.23 | 1.00 | 0.098 | 1.00 |
| LDNO EHV: HV HH Metered | 0 | 6.576 | 0.027 | 0.029 | 29.22 | 0.89 | 0.089 | 0.89 |
| LDNO EHV: NHH UMS | 1&8 | 0.730 | | | | | | |
| LDNO EHV: LV UMS (Pseudo HH Metered) | 0 | 10.472 | 0.329 | 0.251 | | | | |
| LDNO EHV: LV Generation NHH | 8 | -0.230 | | | . | | | |
| LDNO EHV: LV Sub Generation NHH | 8 | -0.250 | | | . | | | |
| LDNO EHV: LV Generation Intermittent | 0 | -0.230 | | | . | | 0.052 | |
| LDNO EHV: LV Generation Non-Intermittent | 0 | -2.719 | -0.095 | -0.057 | . | | 0.052 | |
| LDNO EHV: LV Sub Generation Intermittent | 0 | -0.250 | | | . | | 0.052 | |
| LDNO EHV: LV Sub Generation Non-Intermittent | 0 | -2.998 | -0.098 | -0.061 | . | | 0.052 | |
| LDNO EHV: HV Generation Intermittent | 0 | -0.279 | | | 22.73 | | 0.069 | |
| LDNO EHV: HV Generation Non-Intermittent | 0 | -3.717 | -0.065 | -0.059 | 22.73 | | 0.069 | |
| LDNO 132kV/EHV: Domestic Unrestricted | 1 | 0.477 | | | 0.71 | | | |
| LDNO 132kV/EHV: Domestic Two Rate | 2 | 0.591 | 0.043 | | 0.71 | | | |
| LDNO 132kV/EHV: Domestic Off Peak (related MPAN) | 2 | 0.039 | | | | | | |
| LDNO 132kV/EHV: Small Non Domestic Unrestricted | 3 | 0.435 | | | 1.09 | | | |
| LDNO 132kV/EHV: Small Non Domestic Two Rate | 4 | 0.451 | 0.043 | | 1.09 | | | |
| LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN) | 4 | 0.040 | | | | | | |
| LDNO 132kV/EHV: LV Medium Non-Domestic | 5-8 | 0.393 | 0.041 | | 5.92 | | | |
| LDNO 132kV/EHV: LV Sub Medium Non-Domestic | | 0.593 | 0.059 | | 6.18 | | | |
| LDNO 132kV/EHV: HV Medium Non-Domestic | | 0.682 | 0.041 | | 40.16 | | | |
| LDNO 132kV/EHV: LV HH Metered | 0 | 3.585 | 0.044 | 0.028 | 1.47 | 0.42 | 0.057 | 0.42 |
| LDNO 132kV/EHV: LV Sub HH Metered | 0 | 5.188 | 0.042 | 0.032 | 1.70 | 0.76 | 0.075 | 0.76 |
| LDNO 132kV/EHV: HV HH Metered | 0 | 5.023 | 0.021 | 0.022 | 22.32 | 0.68 | 0.068 | 0.68 |
| LDNO 132kV/EHV: NHH UMS | 1&8 | 0.557 | | | | | | |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LDNO Tariffs

| Copy from CDCM "Tariffs!D41:I73" and paste values into C4 | 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: LV UMS (Pseudo HH Metered) | 0 | 7.998 | 0.252 | 0.192 | | | | |
| LDNO 132kV/EHV: LV Generation NHH | 8 | -0.176 | | | . | | | |
| LDNO 132kV/EHV: LV Sub Generation NHH | 8 | -0.191 | | | . | | | |
| LDNO 132kV/EHV: LV Generation Intermittent | 0 | -0.176 | | | . | | 0.040 | |
| LDNO 132kV/EHV: LV Generation Non-Intermittent | 0 | -2.076 | -0.073 | -0.044 | . | | 0.040 | |
| LDNO 132kV/EHV: LV Sub Generation Intermittent | 0 | -0.191 | | | . | | 0.040 | |
| LDNO 132kV/EHV: LV Sub Generation Non-Intermittent | 0 | -2.290 | -0.075 | -0.047 | . | | 0.040 | |
| LDNO 132kV/EHV: HV Generation Intermittent | 0 | -0.213 | | | 17.36 | | 0.053 | |
| LDNO 132kV/EHV: HV Generation Non-Intermittent | 0 | -2.839 | -0.049 | -0.045 | 17.36 | | 0.053 | |
| LDNO 132kV: Domestic Unrestricted | 1 | 0.332 | | | 0.49 | | | |
| LDNO 132kV: Domestic Two Rate | 2 | 0.411 | 0.030 | | 0.49 | | | |
| LDNO 132kV: Domestic Off Peak (related MPAN) | 2 | 0.027 | | | | | | |
| LDNO 132kV: Small Non Domestic Unrestricted | 3 | 0.303 | | | 0.76 | | | |
| LDNO 132kV: Small Non Domestic Two Rate | 4 | 0.314 | 0.030 | | 0.76 | | | |
| LDNO 132kV: Small Non Domestic Off Peak (related MPAN) | 4 | 0.028 | | | | | | |
| LDNO 132kV: LV Medium Non-Domestic | 5-8 | 0.274 | 0.029 | | 4.12 | | | |
| LDNO 132kV: LV Sub Medium Non-Domestic | | 0.413 | 0.041 | | 4.30 | | | |
| LDNO 132kV: HV Medium Non-Domestic | | 0.474 | 0.029 | | 27.94 | | | |
| LDNO 132kV: LV HH Metered | 0 | 2.494 | 0.030 | 0.019 | 1.02 | 0.29 | 0.040 | 0.29 |
| LDNO 132kV: LV Sub HH Metered | 0 | 3.609 | 0.029 | 0.022 | 1.18 | 0.53 | 0.052 | 0.53 |
| LDNO 132kV: HV HH Metered | 0 | 3.494 | 0.014 | 0.016 | 15.53 | 0.48 | 0.047 | 0.48 |
| LDNO 132kV: NHH UMS | 1&8 | 0.388 | | | | | | |
| LDNO 132kV: LV UMS (Pseudo HH Metered) | 0 | 5.564 | 0.175 | 0.134 | | | | |
| LDNO 132kV: LV Generation NHH | 8 | -0.122 | | | . | | | |
| LDNO 132kV: LV Sub Generation NHH | 8 | -0.133 | | | . | | | |
| LDNO 132kV: LV Generation Intermittent | 0 | -0.122 | | | . | | 0.028 | |
| LDNO 132kV: LV Generation Non-Intermittent | 0 | -1.445 | -0.051 | -0.030 | . | | 0.028 | |
| LDNO 132kV: LV Sub Generation Intermittent | 0 | -0.133 | | | . | | 0.028 | |
| LDNO 132kV: LV Sub Generation Non-Intermittent | 0 | -1.593 | -0.052 | -0.032 | . | | 0.028 | |
| LDNO 132kV: HV Generation Intermittent | 0 | -0.148 | | | 12.08 | | 0.037 | |
| LDNO 132kV: HV Generation Non-Intermittent | 0 | -1.975 | -0.034 | -0.031 | 12.08 | | 0.037 | |

Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LDNO Tariffs

| Copy from CDCM "Tariffs!D41:I73" and paste values into C4 | 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: Domestic Unrestricted | 1 | 0.138 | | | 0.20 | | | |
| LDNO 0000: Domestic Two Rate | 2 | 0.171 | 0.012 | | 0.20 | | | |
| LDNO 0000: Domestic Off Peak (related MPAN) | 2 | 0.011 | | | | | | |
| LDNO 0000: Small Non Domestic Unrestricted | 3 | 0.125 | | | 0.31 | | | |
| LDNO 0000: Small Non Domestic Two Rate | 4 | 0.130 | 0.012 | | 0.31 | | | |
| LDNO 0000: Small Non Domestic Off Peak (related MPAN) | 4 | 0.012 | | | | | | |
| LDNO 0000: LV Medium Non-Domestic | 5-8 | 0.113 | 0.012 | | 1.71 | | | |
| LDNO 0000: LV Sub Medium Non-Domestic | | 0.171 | 0.017 | | 1.78 | | | |
| LDNO 0000: HV Medium Non-Domestic | | 0.197 | 0.012 | | 11.58 | | | |
| LDNO 0000: LV HH Metered | 0 | 1.034 | 0.013 | 0.008 | 0.42 | 0.12 | 0.016 | 0.12 |
| LDNO 0000: LV Sub HH Metered | 0 | 1.496 | 0.012 | 0.009 | 0.49 | 0.22 | 0.022 | 0.22 |
| LDNO 0000: HV HH Metered | 0 | 1.449 | 0.006 | 0.006 | 6.44 | 0.20 | 0.020 | 0.20 |
| LDNO 0000: NHH UMS | 1&8 | 0.161 | | | | | | |
| LDNO 0000: LV UMS (Pseudo HH Metered) | 0 | 2.307 | 0.073 | 0.055 | | | | |
| LDNO 0000: LV Generation NHH | 8 | -0.051 | | | . | | | |
| LDNO 0000: LV Sub Generation NHH | 8 | -0.055 | | | . | | | |
| LDNO 0000: LV Generation Intermittent | 0 | -0.051 | | | . | | 0.011 | |
| LDNO 0000: LV Generation Non-Intermittent | 0 | -0.599 | -0.021 | -0.013 | . | | 0.011 | |
| LDNO 0000: LV Sub Generation Intermittent | 0 | -0.055 | | | . | | 0.012 | |
| LDNO 0000: LV Sub Generation Non-Intermittent | 0 | -0.660 | -0.022 | -0.013 | . | | 0.012 | |
| LDNO 0000: HV Generation Intermittent | 0 | -0.061 | | | 5.01 | | 0.015 | |
| LDNO 0000: HV Generation Non-Intermittent | 0 | -0.819 | -0.014 | -0.013 | 5.01 | | 0.015 | |

Annex 5 – Schedule of Line Loss Factors

| Western Power Distribution (South West) plc - Effective from April 2012 - INDICATIVE LLF Time Periods | | | | |
|--|--|------------------|--------------------------------------|------------------|
| Time periods | Period 1 | Period 2 | Period 3 | Period 4 |
| Monday to Friday Mar to Oct | | | 00:00 - 06:30 23:30 - 24:00 | 06:30 - 23:30 |
| Monday to Friday Nov to Feb | 16:00 - 19:00 | 06:30 - 16:00 | 00:00 - 06:30 23:30 - 24:00 | 19:00 - 23:30 |
| Saturday and Sunday All Year | | | 00:00 - 06:30 23:30 - 24:00 | 06:30 - 23:30 |
| Notes | All the above times are in UK Clock time | | | |

| Generic Demand and Generation LLFs | | | | | |
|---|-----------------|-----------------|-----------------|-----------------|------------------------|
| Metered voltage, respective periods and associated LLFCs | | | | | |
| Metered Voltage | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| EHV 132kV | 1.012 | 1.011 | 1.008 | 1.01 | n/a |
| EHV 132/33kV | 1.017 | 1.015 | 1.013 | 1.014 | n/a |
| EHV 132/HV | 1.019 | 1.017 | 1.014 | 1.015 | n/a |
| 33kV | 1.032 | 1.028 | 1.022 | 1.025 | 670, 671 |

| | | | | | |
|---------------|-------|-------|-------|-------|---|
| EHV 33/HV | 1.042 | 1.038 | 1.031 | 1.034 | 522, 523, 525 |
| HV | 1.065 | 1.058 | 1.046 | 1.051 | 510, 521, 524 |
| LV | 1.087 | 1.08 | 1.072 | 1.075 | 010, 020, 030, 040, 110, 210, 251, 430, 527, 570, 581, 970, 980 |
| LV substation | 1.078 | 1.072 | 1.065 | 1.068 | 526, 540, 551 |

| EHV Site Specific LLFs | | | | | |
|---------------------------------------|----------|----------|----------|----------|-----------------|
| Demand | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Astra Zeneca Hallen | 1.042 | 1.038 | 1.031 | 1.034 | 705 |
| Avonmouth BCC Wind Farm | 1.032 | 1.028 | 1.022 | 1.025 | 713 |
| Babcock Marine | 1.019 | 1.019 | 1.019 | 1.019 | 660 |
| BAE Filton | 1.042 | 1.045 | 1.043 | 1.042 | 720 |
| Bears Down | 1.000 | 1.000 | 1.000 | 1.000 | 629 |
| Blackditch | 1.032 | 1.028 | 1.022 | 1.025 | 665 |
| Bodiniel PV Park | 1.032 | 1.028 | 1.022 | 1.025 | 714 |
| Bradon Farm | 1.000 | 1.073 | 1.073 | 1.073 | 612 |
| Breechgrove | 1.032 | 1.028 | 1.022 | 1.025 | 663 |
| Bristol Energy | 1.002 | 1.003 | 1.002 | 1.003 | 750 |
| Bristol International Airport | 1.042 | 1.038 | 1.031 | 1.034 | 700 |
| Bristol Port Co. Royal Portbury Docks | 1.042 | 1.038 | 1.031 | 1.034 | 702 |
| Bristol Port Company Avonmouth Docks | 1.042 | 1.038 | 1.031 | 1.034 | 669 |
| Bristol Water Blagdon Pumpin Station | 1.042 | 1.038 | 1.031 | 1.034 | 699 |
| British Gas Hallen | 1.042 | 1.038 | 1.031 | 1.034 | 701 |
| Broadpath Landfill | 1.042 | 1.038 | 1.031 | 1.034 | 707 |
| Carland Cross | 1.000 | 1.000 | 1.000 | 1.000 | 613 |
| Causilgey | 1.032 | 1.028 | 1.022 | 1.025 | 662 |
| Chelson Generator | 1.000 | 1.000 | 1.000 | 1.000 | 627 |
| Churchtown Farm (Hayle) | 1.032 | 1.028 | 1.022 | 1.025 | 644 |
| Chynoweth Farm (Truro) | 1.032 | 1.028 | 1.022 | 1.025 | 648 |
| Cold Northcott | 1.000 | 1.000 | 1.000 | 1.000 | 614 |

| EHV Site Specific LLFs | | | | | |
|------------------------------|----------|----------|----------|----------|-----------------|
| Demand | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Connon Bridge Landfill | 1.000 | 1.000 | 1.000 | 1.000 | 626 |
| Dairy Crest Davidstow | 1.042 | 1.038 | 1.031 | 1.034 | 706 |
| Darracott | 1.032 | 1.028 | 1.022 | 1.025 | 628 |
| Delabole | 1.032 | 1.028 | 1.022 | 1.025 | 636 |
| East Langford (Kilkhampton) | 1.032 | 1.028 | 1.022 | 1.025 | 652 |
| Eastcombe Farm | 1.032 | 1.028 | 1.022 | 1.025 | 655 |
| Exeter Power | 1.012 | 1.012 | 1.012 | 1.012 | 625 |
| Forest Moor Wind 1 | 1.000 | 1.000 | 1.000 | 1.000 | 615 |
| Forest Moor Wind 2 | 1.000 | 1.000 | 1.000 | 1.000 | 616 |
| Four Burrows | 1.000 | 1.000 | 1.000 | 1.000 | 617 |
| Fullabrook | 1.012 | 1.011 | 1.008 | 1.010 | 637 |
| Garlenick Wind Farm | 1.032 | 1.028 | 1.022 | 1.025 | 715 |
| Goonhilly | 1.032 | 1.028 | 1.022 | 1.025 | 635 |
| Heathfield | 1.000 | 1.000 | 1.000 | 1.000 | 634 |
| Hewlett Packard | 1.042 | 1.038 | 1.031 | 1.034 | 698 |
| Hill Barton Business Park | 1.042 | 1.038 | 1.031 | 1.034 | 712 |
| Howton Farm (Saltash) | 1.032 | 1.028 | 1.022 | 1.025 | 647 |
| Imerys | 1.016 | 1.016 | 1.016 | 1.016 | 710 |
| Isles of Scilly | 1.042 | 1.038 | 1.031 | 1.034 | 664 |
| Langage | 1.032 | 1.028 | 1.022 | 1.025 | 759 |
| Manor Farm (St Austell) | 1.032 | 1.028 | 1.022 | 1.025 | 643 |
| MOD Abbeywood | 1.042 | 1.038 | 1.031 | 1.034 | 697 |
| Newlyn Downs (Carland Cross) | 1.032 | 1.028 | 1.022 | 1.025 | 649 |
| Nexfor Ltd (Caberboard) | 1.038 | 1.038 | 1.038 | 1.038 | 690 |
| Ninnis Farm | 1.032 | 1.028 | 1.022 | 1.025 | 653 |
| North Petherwin | 1.032 | 1.028 | 1.022 | 1.025 | 638 |
| ROF Puriton | 1.041 | 1.041 | 1.041 | 1.041 | 650 |
| Rolls Royce Filton TT | 1.000 | 1.000 | 1.020 | 1.020 | 640 |
| RUH | 1.042 | 1.038 | 1.031 | 1.034 | 709 |

| EHV Site Specific LLFs | | | | | |
|--|----------|----------|----------|----------|-----------------|
| Demand | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Sewage Treatment Works at Falmouth Docks | 1.042 | 1.038 | 1.031 | 1.034 | 704 |
| Shooter's Bottom | 1.000 | 1.000 | 1.000 | 1.000 | 633 |
| St Breock | 1.000 | 1.000 | 1.000 | 1.000 | 619 |
| St Regis, Watchet | 1.024 | 1.024 | 1.025 | 1.025 | 695 |
| SWW Roadford | 1.035 | 1.035 | 1.031 | 1.031 | 694 |
| SWW Tamar | 1.077 | 1.077 | 1.077 | 1.077 | 692 |
| Tarmac, Stancombe Quarry | 1.030 | 1.039 | 1.030 | 1.033 | 696 |
| Trenouth Farm (Padstow) | 1.032 | 1.028 | 1.022 | 1.025 | 645 |
| Trenoweth Farm Luxulyan | 1.032 | 1.028 | 1.022 | 1.025 | 639 |
| Untd Mns Redruth St Day | 1.000 | 1.000 | 1.000 | 1.000 | 632 |
| Warleigh Barton PV | 1.032 | 1.028 | 1.022 | 1.025 | 716 |
| Whatley Quarry | 1.042 | 1.038 | 1.031 | 1.034 | 703 |
| Willsland | 1.032 | 1.028 | 1.022 | 1.025 | 654 |
| Winnard's Perch PV | 1.032 | 1.028 | 1.022 | 1.025 | 717 |
| Woodland Barton Farm Roche | 1.032 | 1.028 | 1.022 | 1.025 | 642 |

| EHV Site Specific LLFs | | | | | |
|--------------------------------|----------|----------|----------|----------|-----------------|
| Generation | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Avonmouth BCC Wind Farm Export | 1.032 | 1.028 | 1.022 | 1.025 | 776 |
| Bear's Down Export | 1.037 | 1.034 | 1.038 | 1.038 | 764 |
| Blackditch Export | 1.032 | 1.028 | 1.022 | 1.025 | 666 |
| Bodiniel PV Park Export | 1.032 | 1.028 | 1.022 | 1.025 | 777 |
| Bradon Farm Export | 1.045 | 1.061 | 1.000 | 1.060 | 765 |
| Breechgrove Export | 1.032 | 1.028 | 1.022 | 1.025 | 745 |
| Bridgwater District Energy | 1.020 | 1.020 | 1.000 | 1.019 | 7158 |

| EHV Site Specific LLFs | | | | | |
|------------------------------------|----------|----------|----------|----------|-----------------|
| Generation | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Bristol Energy Export | 1.002 | 1.004 | 1.000 | 1.004 | 751 |
| Carland Cross Export | 1.036 | 1.031 | 1.037 | 1.036 | 766 |
| Causilgey Export | 1.032 | 1.028 | 1.022 | 1.025 | 744 |
| Chelson Generator Export | 1.028 | 1.028 | 1.027 | 1.027 | 753 |
| Churchtown Farm (Hayle) Export | 1.032 | 1.028 | 1.022 | 1.025 | 727 |
| Chynoweth Farm (Truro) Export | 1.032 | 1.028 | 1.022 | 1.025 | 733 |
| Cold Northcott Export | 1.066 | 1.062 | 1.072 | 1.069 | 767 |
| Connon Bridge Landfill Export | 1.056 | 1.056 | 1.055 | 1.055 | 752 |
| Darracott Export | 1.032 | 1.028 | 1.022 | 1.025 | 754 |
| Delabole Export | 1.032 | 1.028 | 1.022 | 1.025 | 762 |
| East Langford (Kilkhampton) Export | 1.032 | 1.028 | 1.022 | 1.025 | 735 |
| Eastcombe Farm Export | 1.032 | 1.028 | 1.022 | 1.025 | 738 |
| Exeter Power Export | 1.004 | 1.009 | 1.000 | 1.011 | 741 |
| Forest Moor Wind 1 Export | 1.060 | 1.060 | 1.064 | 1.064 | 768 |
| Forest Moor Wind 2 Export | 1.064 | 1.064 | 1.065 | 1.065 | 769 |
| Four Burrows Export | 1.039 | 1.039 | 1.045 | 1.045 | 770 |
| Fullabrook Export | 1.012 | 1.011 | 1.008 | 1.010 | 763 |
| Garlenick Wind Farm Export | 1.032 | 1.028 | 1.022 | 1.025 | 778 |
| Goonhilly Export | 1.032 | 1.028 | 1.022 | 1.025 | 761 |
| Heathfield Export | 1.035 | 1.034 | 1.034 | 1.034 | 760 |
| Hill Barton Business Park Export | 1.042 | 1.038 | 1.031 | 1.034 | 746 |
| Howton Farm (Saltash) Export | 1.032 | 1.028 | 1.022 | 1.025 | 732 |
| Imerys Export | 1.027 | 1.030 | 1.028 | 1.027 | 711 |
| Isles of Scilly Export | 1.042 | 1.038 | 1.031 | 1.034 | 772 |
| Manor Farm (St Austell) Export | 1.032 | 1.028 | 1.022 | 1.025 | 726 |

| EHV Site Specific LLFs | | | | | |
|-------------------------------------|----------|----------|----------|----------|-----------------|
| Generation | | | | | |
| Site | Period 1 | Period 2 | Period 3 | Period 4 | Associated LLFC |
| Newlyn Downs (Carland Cross) Export | 1.032 | 1.028 | 1.022 | 1.025 | 734 |
| Ninnis Farm Export | 1.032 | 1.028 | 1.022 | 1.025 | 736 |
| North Petherwin Export | 1.032 | 1.028 | 1.022 | 1.025 | 723 |
| RUH Export | 1.042 | 1.038 | 1.031 | 1.034 | 722 |
| Shooter's Bottom Export | 1.033 | 1.032 | 1.032 | 1.032 | 758 |
| St Breock Export | 1.034 | 1.035 | 1.035 | 1.035 | 775 |
| SWW Roadford Export | 1.000 | 1.000 | 1.000 | 1.000 | 693 |
| Trenouth Farm (Padstow) Export | 1.032 | 1.028 | 1.022 | 1.025 | 728 |
| Trenoweth Farm Luxulyan Export | 1.032 | 1.028 | 1.022 | 1.025 | 724 |
| Untd Mns Redruth St Day Export | 1.035 | 1.035 | 1.035 | 1.035 | 757 |
| Warleigh Barton PV Export | 1.032 | 1.028 | 1.022 | 1.025 | 779 |
| Willsland Export | 1.032 | 1.028 | 1.022 | 1.025 | 737 |
| Winnard's Perch PV Export | 1.032 | 1.028 | 1.022 | 1.025 | 780 |
| Woodland Barton Farm Roche Export | 1.032 | 1.028 | 1.022 | 1.025 | 725 |

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

Please see Schedule of Charges and Other Tables, Annex 6 nodal Prices LRIC.