WESTERN POWER DISTRIBUTION

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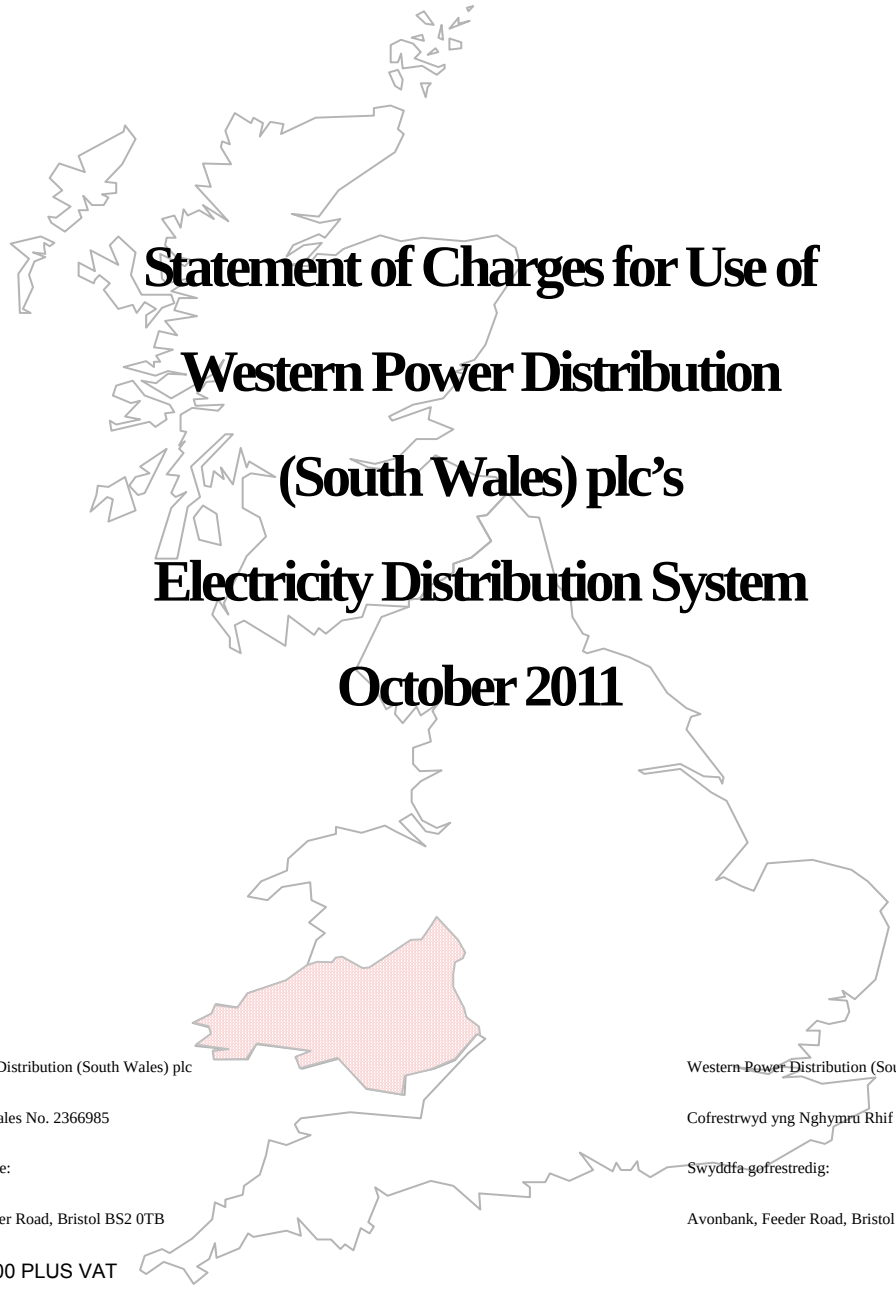

Statement of Charges for Use of Western Power Distribution (South Wales) plc's Electricity Distribution System

October 2011

Western Power Distribution (South Wales) plc

Registered in Wales No. 2366985

Registered Office:

Avonbank, Feeder Road, Bristol BS2 0TB

Western Power Distribution (South Wales) plc

Cofrestrwyd yng Nghymru Rhif 2366985

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Avonbank, Feeder Road, Bristol BS2 0TB

PRICE: £5.00 PLUS VAT

Contents

1. Introduction

1.1. This statement has been prepared in order to discharge Western Power Distribution (South Wales) plc's (WPD) obligation under Standard Licence Condition 14 of our Distribution Licence. It contains information on our tariffs for Demand Use of System, Generation Use of System and Embedded Networks. It also contains information on our charging principles and our Loss Adjustment Factors.

1.2. If you need to contact us regarding any aspect of this document please write or e-mail us at:

WPD Pricing
Western Power Distribution
Avonbank
Feeder Rd
Bristol
BS2 0TB
e-mail: wpdpricing@westernpower.co.uk

1.3. All enquiries regarding Connection Agreements and Changes to Maximum Capacities should be addressed to:

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

1.4. For all other queries please contact our general enquiries telephone number: 0845 6013341, lines are open 08:00 to 18:00 Monday to Friday.

2. Tariff Application and Charging Definitions

Billing and Payment by Settlement Class (Supercustomer)

2.1. The Supercustomer approach to Non-Half Hourly (NHH) Use of System billing makes use of the way that Supplier's energy settlements are calculated. Supercustomer tariffs are generally billed through two main charging components, which are fixed charges and unit charges. The charges are based on the following tariff components:

The charges are based on the following tariff components:

- A fixed charge - pence/per 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 import registers as provided by the metering system on site. More than one kWh charge will be applied to those tariffs that are classed as multi-rate.

2.2. Invoices are calculated on a periodic basis and sent to each supplier, for whom WPD is delivering supplies of electricity through its distribution system. The tariffs are applied on the basis of the LLFCs registered to the MPAN, and the units consumed within the time periods specified in this Notice. These time periods may not necessarily be the same as those indicated by the TPRs associated to the settlement class. All LLFCs are assigned at the sole discretion of WPD. The charges in this document are shown exclusive of VAT. Invoices take account of previous reconciliation runs and include VAT.

2.3. Reconciliation is the process that ensures the cash positions of suppliers and WPD are continually corrected to reflect later and more accurate consumption figures.

2.4. The tables within this document relating to NHH Supercustomer billed tariffs are:

- Table 1 for Profile Classes 1 and 2;
- Table 2 for Profile Classes 3 and 4;
- Table 3 for Profile Classes 5 to 8;
- Table 6 for Unmetered Supplies (NHH); and

- Table 7 for Preserved Tariffs/LLFCs (where applicable).
- We also enclose a web-link http://www.westernpower.co.uk/servercode/showdocument.asp?ID=371 from which you can gain access to our Supercustomer Settlement Class combinations and their respective tariffs contained in the following Schedules:
    - Schedule 1 - Tariffs for Profile Classes 1&2 Supported;
    - Schedule 2 - Tariffs for Profile Classes 1&2 Unsupported;
    - Schedule 3 - Tariffs for Profile Classes 3&4 Supported;
    - Schedule 4 - Tariffs for Profile Classes 3&4 Unsupported;
    - Schedule 5 - Tariffs for Profile Classes 5 to 8 ;
    - Schedule 6 – Tariffs for Unmetered Supplies (Profile Class 1 and 8).

2.5. WPD does not apply a default tariff for invalid combinations. See note below relevant tables relating to default TPRs.

Site-Specific Billing and Payment

2.6. These charges apply to exit points where Half-Hourly (HH) metering is installed. Invoices for half hourly metered sites may include the following elements:-

- A fixed charge pence/MPAN/day;
- A capacity charge, pence/kVA/day, for agreed maximum import capacity;
- An excess capacity charge, if a site exceeds its maximum import capacity (MIC);
- Unit charges pence/kWh for transport of electricity over the system; and
- An excess reactive power charge.

2.7. The tables within this document that relate to site specific tariffs are:

- Table 4 for HH metered High Voltage (HV) and Low Voltage (LV);
- Table 5 for HH metered Extra High Voltage (EHV);
- Table 6 for Unmetered Supplies (NHH); and
- Table 7 for Preserved Tariffs/LLFCs (where applicable).

Extra High Voltage (EHV) supplies

2.8. Designated EHV Properties are allocated Site Specific DUoS tariffs. These properties are defined in paragraph 11 of Standard Condition 50A (Development and Implementation of an EHV Distribution Charging Methodology) of the Electricity Distribution Licence as any of the following:

2.8.1. Distribution Systems connected to assets on the licensee's Distribution System at a voltage level of 22 kilovolts or more;

2.8.2. premises connected to assets on the licensee's Distribution System at a voltage level of 22 kilovolts or more; and

2.8.3. premises which do not fall within sub-paragraph (2.8.2) but which at 1 April 2010 were excluded from the Common Distribution Charging Methodology by virtue of paragraph 10 of standard condition 50 (Development and implementation of Common Distribution Charging Methodology).

Unmetered Supplies

2.9. These charges are available to supplies which WPD deems to be suitable as Unmetered Supplies. In line with The Electricity (Unmetered Supply) Regulations we may only consider providing an unmetered supply where:

2.9.1. there is a known, predictable load which is either continuous or controlled in a manner approved by WPD, and

2.9.2. the load is less than 500W or it is financially or technically impractical to install meters or carry out meter reading.

2.10. Supplies where consumption is dependent on some factor, temperature for example, or where the load could be easily increased without the knowledge of WPD will not normally be allowed to be connected without a meter.

2.11. The privilege of being connected without a meter is conditional on the customer providing and maintaining an accurate, detailed and auditable inventory.

Capacity Charges (demand only)

Chargeable Capacity

2.12. The standard charge will be a site's Maximum Import Capacity (MIC) multiplied by a pence kVA per day rate.

2.13. The chargeable capacity is, for each billing period, the highest of the MIC or the actual capacity, with the same charge rate applying throughout the relevant charging year.

Maximum Import Capacity

2.14. The MIC will be charged in pence/kVA/day on a site basis.

2.15. The level of MIC will be agreed at the time of connection and when an increase has been approved. Following such an agreement (be it at the time of connection or an increase) no reduction in MIC will be allowed for a period of one year.

2.16. Reductions to the MIC may only be permitted once in a 12 month period and no retrospective changes will be allowed. Where MIC is reduced the new lower level will be agreed with reference to the level of the customers' 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.

2.17. For embedded connections, if capacity ramping has been agreed with the WPD, in accordance with our charging methodology, the phasing profile will apply instead of the above rules. Where a phasing of capacity is agreed this will be captured in the bilateral connection agreement with WPD.

Standby Capacity for Additional Security on Site

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

Exceeded Capacity

2.19. Where a customer takes additional capacity over and above the MIC without authorisation, the excess will be classed as exceeded capacity. The exceeded portion of the capacity will be charged at the same p/kVA/day rate, based on the difference between the MIC and the actual capacity. This will be charged for the duration of the month in which the breach occurs.

Minimum Capacity Levels

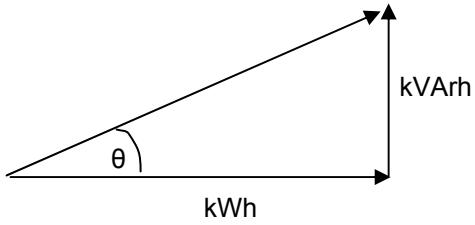
2.20. There is no minimum capacity threshold.

Import Reactive Power Charge

2.21. 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 tariff.

2.22. Power Factor is calculated as follows:

Cos θ = Power Factor



2.23. The chargeable reactive power is calculated as follows:

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

Where:

AI = Active Import in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

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

2.25. Only kVArh Import and KVArh Export values occuring at times of kWh Import are used.

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

Generation Billing and Payment by Settlement Class

2.27. Use of System charges for NHH Low Voltage (LV and LVS) generation tariffs will be billed via Supercustomer.

2.28. The structure of NHH generation charges will be as follows:

- A fixed charge pence/MPAN/day; and

- Unit charges pence/kWh for transport of electricity over the system

2.29. Details of our charges for NHH Generation can be found in Table 8a.

Generation Site Specific Billing and Payment

2.30. Use of System charges for HH Low Voltage (LV) and High Voltage (HV) generation tariffs will be billed via the HH billing systems.

2.31. The structure of HH generation charges will be as follows:

- A fixed charge pence/MPAN/day;
- Export capacity charge pence/KVA/day
- Unit charges pence/kWh for transport of electricity over the system; and
- An excess reactive power charge.

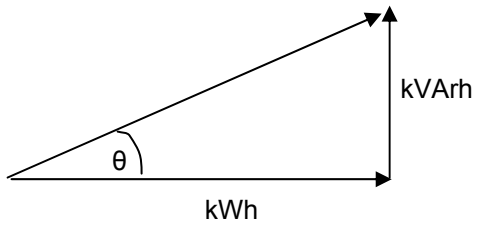
2.32. Details of our charges for HH Generation can be found in Table 8b.

Generation Reactive Power Charge

2.33. 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 for at the rate appropriate to the particular tariff.

2.34. Power Factor is calculated as follows:

Cos θ = Power Factor



2.35. The chargeable reactive power is calculated as follows:

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

Where:

AE = Active Export in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

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

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

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

Generation connected at EHV

2.39. Charges for EHV connected generation will be site specific.

Provision of Billing Data

2.40. Where half hourly metering data is required for Use of System charging and this is not provided through settlements 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 in each half hour of each day in the charging period and shall separately identify active and reactive import and export. Metering Data provided to the company 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/D0275 MRA data flow (as agreed with the DNO). The data shall be e-mailed to wpdduos@westernpower.co.uk.

2.41. WPD requires reactive consumption or production to be provided for all measurement Class C and D (mandatory half hourly metered) sites. WPD reserves the right to levy a charge on suppliers who fail to provide such reactive data after a reasonable period of notice. In order to estimate missing reactive data, a power factor of 0.9 lag will be applied to the active consumption in any half hour.

Licensed Distributor Network Operator (LDNO) tariffs

2.42. LDNO tariffs have been calculated for use by LDNOs **only** to reflect the displacement of the upstream DNO distribution costs and are not available for DNO to DNO inter-connectors, connections to other offshore transmission networks or other similar connections. Use of system charges for inter-connectors, offshore transmission connections or other similar connections will be based on the appropriate standard tariffs.

3. Schedule of Demand Tariffs

Tariffs for Profile Classes 1& 2

3.1. Suppliers who wish to supply electricity to customers with non-half hourly metered Measurement Class A MPANs on Profile Classes 1 or 2 may adopt one of the charge structures set out in the table below.

3.2. Valid combinations for these Line Loss Factor Classes (LLFCs) are detailed in Market Domain Data (MDD).

Table 1 – NHH Tariffs for Profile Classes 1 & 2

Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
Domestic Unrestricted	100	1	3.41	2.625	
Domestic Unrestricted	105	1	3.41	2.625	
Domestic Unrestricted	800	1	3.41	2.625	
Domestic Unrestricted	860	1	3.41	2.625	
Domestic Two Rate	101	2	3.41	3.046	0.363
Domestic Two Rate	106	2	3.41	3.046	0.363
Domestic Two Rate	801	2	3.41	3.046	0.363
Domestic Two Rate	861	2	3.41	3.046	0.363

Notes:	Unit time periods are as specified in the SSC.
	The Domestic and Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.
	These LLFs are applicable only to premises used exclusively as single private dwellings supplied from the LV network with a maximum capacity of less than 20kVA. For multi-rate tariffs and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD (South Wales) plc 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 (South Wales) plc will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 2.

Tariffs for Profile Classes 3 & 4

3.3. Suppliers who wish to supply electricity to customers with non-half hourly metered Measurement Class A MPANs on Profile Classes 3 or 4 may, adopt one of the charge structures set out in the table below.

3.4. Valid combinations for these tariffs are detailed in MDD.

Table 2 – NHH Tariffs for Profile Classes 3 & 4

Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
Small Non-Domestic Unrestricted	200	3	5.57	2.125	
Small Non-Domestic Unrestricted	810	3	5.57	2.125	
Small Non-Domestic Unrestricted	862	3	5.57	2.125	
Small Non-Domestic Two Rate	201	4	5.57	2.709	0.364
Small Non-Domestic Two Rate	811	4	5.57	2.709	0.364
Small Non-Domestic Two Rate	863	4	5.57	2.709	0.364

Notes:	Unit time periods are as specified in the SSC.
	The Domestic and Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.
	These LLFs generally only available to premises supplied from the LV network with a maximum capacity of less than 45kVA and power factor greater than 0.90. For multi-rate tariffs and other off-peak tariffs, night is defined as any seven hours determined and agreed by WPD (South Wales) plc 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 (South Wales) plc will charge DUoS based on a default regime of 00.30-07.30 GMT (TPR 00210) and these SSCs are listed in Schedule 4.

Tariffs for Profile Classes 5-8

3.5. Suppliers who wish to supply electricity to customers with non-half hourly Measurement Class A MPANs on Profile Classes 5 to 8 may, adopt one of the charge structures set out in the table below.

3.6. Valid combinations for these tariffs are detailed in MDD.

Table 3 – NHH Tariffs for Profile Classes 5 to 8

Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
LV Medium Non-Domestic Supplies	300	5 to 8	37.93	2.285	0.248
LV Sub Medium Non-Domestic Supplies	344	5 to 8	3.51	1.628	0.180
HV Medium Non-Domestic Supplies	400	5 to 8	120.14	1.698	0.214

Notes:	Unit time periods are as specified in the SSC.
	LV Sub applies to customers connected to the licensee's distribution system at a voltage of less than 1 kV at a substation with a primary voltage (the highest operating voltage present at the substation) of at least 1 kV and less than 22 kV, where the current transformer used for the customer's settlement metering is located at the substation. LV substation tariffs will be applied for new customers from 1 April 2010. Where a customer is already registered on an LV substation tariff they will remain so.
	HV Medium Non-Domestic - This tariff will be closed to new customers and all new HV connections will be required to be half-hourly metered
	"Night Units" means units supplied during a seven-hour period normally starting at 00.30 hours clock time. If other regimes are installed in premises, unless otherwise agreed, WPD (South Wales) plc will operate a default regime of 00.30-07.30 clock time (TPR 00208) for DUoS charging purposes using the half-hourly kWh by Settlement Class. These prices are generally only available to sites with a demand of less than 100kW.

Tariffs for Half-Hourly Metered LV and HV

3.7. Suppliers who wish to supply electricity to customers whose supplies are half hourly metered Measurement Class C or E may, adopt one of the charge structures dependent upon the voltage at which the customer is connected to the system. The charge for the Use of System will be the sum of the charges set out in the table below.

Table 4 – Tariffs for HH metered LV & HV

Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
Low Voltage HH Metered	300	8.70	2.21	2.21	11.701	1.053	0.217	0.496
Low Voltage Sub HH Metered	344	6.38	2.48	2.48	10.874	0.961	0.211	0.440
High Voltage HH Metered	400	74.62	2.56	2.56	9.031	0.785	0.178	0.346
High Voltage Sub HH Metered	444	74.62	1.89	1.89	8.825	0.763	0.180	0.333

Notes:

Fixed charges are generally levied on a pence per MPAN basis. Where two or more half-hourly import MPANs are located at the same point of connection, with the same LLFC, and registered to the same supplier, only one daily fixed charge will be applied. Fixed charges are generally levied on a pence per MPAN basis.

LV Sub applies to customers connected to the licensee's distribution system at a voltage of less than 1 kV at a substation with a primary voltage (the highest operating voltage present at the substation) of at least 1 kV and less than 22 kV, where the current transformer used for the customer's settlement metering is located at the substation.

HV Sub applies to customers connected to the licensee's distribution system at a voltage of at least 1 kV and less than 22 kV at a substation with a primary voltage (the highest operating voltage present at the substation) of at least 22 kV and less than 66 kV, where the current transformer used for the customer's settlement metering or for metering used in the calculation of the customer's use of system charges or credits is located at the substation.

LV and HV substation tariffs will be applied for new customers from 1 April 2010. Where a customer is already registered on either an LV or HV substation tariff they will remain so.

Time Periods (all times are UK clock time):

	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

Tariffs for Half-Hourly Metered EHV

3.8. The following charges are calculated using WPD's Wales and South West EHV charging methodology and are applied on a site specific basis.

Customer	DUoS charges (1/4/2011):		Associated Export MPAN (see table 4.3)	LLF	MPAN
	Daily Charge (£/Day)	Availability Charge (p/kVA/day)			
AES	1.59	3.485	n/a	n/a	2177711913330*
Alcoa	4.09	0.465	No	513	2199989616995
Alpha Steel	0.00	0.074	No	510	2199989614144
ASW 33/11	154.03	3.414	No	520	2189999999937
ASW Rod Mill	300.52	3.802	No	514	2189999999928
Blagden	-103.15	3.614	No	534	2189999997460 2189999997683 2189999997451
Blue Circle Cement	-49.79	2.395	No	522	2199989628537
BOC Margam	79.95	5.915	No	511	2199989610089 2199989271918 2199989271927 2199989271936
Tata Margam	48.20	3.512	Yes	501	2189999997595 2189999997600
Tata Orb	109.95	5.887	No	505	2189999999732 2100040135899 2100040135904
Tata Trostre	301.59	5.048	No	504	2189999999714 2100040007060 2100040007130 2100040007079 2100040007088 2100040007097 210004 0007120 2100040007111 2100040007102 2100040014545
DCWW Nantgarredig	13.91	0.012	No	532	2199989640232
DCWW Rover Way	30.29	4.357	No	538	2198765295402
Dow Corning	-44.42	0.973	Yes	536	2199989353710 2199989353701
Total Fina Elf	1368.66	6.852	No	515	2199989638970 2199989638961
Ford Bridgend	34.43	7.443	No	512	2199989610024
Ford Swansea	12.78	1.609	No	528	2199989610098
Fort James	-5.37	2.832	Yes	533	2199989633183 2199989633174

Customer	DUoS charges (1/4/2011):		Associated Export MPAN (see table 4.3)	LLF	MPAN
	Daily Charge (£/Day)	Availability Charge (p/kVA/day)			
					2199989633165
Inco	3.03	4.303	No	529	2189999997309 2189999997293 2189999997284 2189999997275
Mainline Pipelines	26.40	1.342	No	519	2199989611204
Solutia	51.86	3.208	No	535	2199989663578 2189999998942 2189999998933 2189999998924
PCC Texaco	237.72	6.559	No	517	2189999998678
Sims	12.26	0.340	No	539	2100040302060
Swansea University	29.63	4.373	No	531	2199989628430
Tower	6.29	1.567	Yes	521	2199989613043 2189999997187
Whitbread Magor	8.96	0.877	No	518	2189999996893 2189999996884
Cardiff Sports Village	97.95	2.809	No	n/a	2155515050020 * 2155515050039 *
Milford Energy	597.59	3.404	Yes	541	2100040752410 2100040752420
South Hook	1543.97	3.469	No	542	2100040653932 2100040636538
MANWEB I/C	1074.36	8.896	No	n/a	n/a
Whitehead Works	7.17	1.353	No	544	2189999999690
Felindre	11.97	0.249	No	545	2100040769015 2100040769033 2100040769042
Valleywood	3.52	0.173	No	n/a	2155515060240* 2155515060250*
Timet	6.12	2.781	No	546	2100040781360 2100040781379

* Please note these are pseudo MPANs and are for billing purposes only

Accompanying Notes for Extra High Voltage Site Specific Tariffs

The following table shows the nodal prices used to calculate the current charges. Some nodes have both summer and winter prices, others only have a winter or a summer price. The latter happens when all the branches associated with the node will require reinforcement as a result of the loading conditions in only one season.

To calculate the charge for a demand site take the winter price shown below and multiply by its winter charging demand at peak (as defined in the April 2011 Charging Methodology statement) plus the negative of the summer price shown below multiplied by its summer charging demand (as defined in the April 2011 Charging Methodology statement).

For a generation site the charge is derived by taking the negative of the winter price shown below multiplied by its winter P2/6 contribution plus the summer price multiplied by its agreed export capacity.

For demand sites, when calculating the final price £29.91 per kVA of winter chargeable load is added.

Where sole use assets are employed an additional charge will be applied to reflect the annuitised cost of future replacement of the assets. The annuity rate is 1.35%. A further element will cover the allocation of business rates.

Please note that these prices are applicable for connection during the April 2011 to March 2012 period only. A new connection will result in changes to current network utilisations which will be the basis of future prices, i.e. the charge determined for 2011/12 will not necessarily be the charge in subsequent years because of the interaction between new and existing network connections.

Nodal Prices

		Seasonal Marginal Charge (£/MVA)	
Load Bus Code	Load Bus Name	winter price	summer price
ABAE51	ABERAERON 11kV	£15,092.42	£1,908.43
ABEC5	ABERCRAVE 11kV	£2,644.13	-£119.03
ABDA5	ABERDARE 11kV	£13,456.46	-£150.77
ABGA5	ABERGAVENNY 11kV	£4,332.33	£0.00
ABEP5	ABERPERGWM 11kV	£4,623.46	-£137.61
ABSY5	ABERSYCHAN 11kV	£9,617.43	£0.00
ABTC3	ABERTHAW CEMENT 33kV	-£2,296.16	-£1,300.10
ABTI5	ABERTILLERY 11kV	£14,831.73	£0.00
ABTY5	ABERTYSSWG 11kV	£15,175.19	-£0.04
ABYS3	ABERYSTWYTH 33kVMANWEB	£10,900.89	-£2,931.60
ALPH31	ALPHA STEEL 33kV 1	£0.00	£0.00
ALPH32	ALPHA STEEL 33kV 2	£0.00	£0.00
ASHG5	ASHGROVE 11kV	£6,302.78	£513.82
BIRC5	BIRCHGROVE 11kV	£3,357.09	£449.18
BISH51	BISHOPSTON 11kV 1	£6,521.80	£260.47
BISH52	BISHOPSTON 11kV 2	£9,506.47	£261.44
BLAE5	BLAENAVON 11kV	£10,632.15	£0.00
BLAP5	BLAENPORTH 11kV	£19,343.16	£1,773.06
BOCM51	BOC MARGAM 11kV 1	£0.00	£403.23
BOVE5	BOVERTON 11kV	-£629.34	-£1,283.74
BRAW5	BRAWDY 11kV	£30,339.08	£0.00
BREC5	BRECON 11kV	£25,910.96	£0.00
BRID5	BRIDELL 11kV	£17,996.23	£1,757.29
BRTE5	BRIDGEND TRADING ESTATE 11kV	£9,089.20	£487.31
BRIF5	BRITON FERRY 11KV	£1,065.45	£0.16
BROA5	BROAD STREET 11kV	£1,403.76	-£1,863.90
BROF5	BROADFIELD 11kV	£67,796.57	£0.00
BRHI5	BRYNHILL 11kV	-£399.54	-£1,867.47
BRMA5	BRYNMAWR 11kV	£11,710.88	£0.00
BUIL5	BUILTH WELLS 11kV	£33,155.77	£0.00
CAEA5	CAERAU ROAD 11kV	£862.36	-£3,315.83
CAER5	CAERPHILLY 11kV	£6,025.15	£0.06
CALD5	CALDICOT 11kV	£3,330.41	£0.00
CANT5	CANTON 11kV	£3,721.01	£4,101.21
CARE5	CARDIFF EAST 11kV	£4,106.67	£730.79
CARS5	CARDIFF SOUTH 11kV	£316.77	£1,340.17
CARG5	CARDIGAN 11kV	£17,311.11	£1,781.92
CATN5	CATNIC 11kV	-£40.50	-£1.70
CEFN6	CEFN GWRGAN 66kV	£342.89	£0.00
CHEP5	CHEPSTOW 11kV	£9,636.43	£0.00
CLAS5	CLASE 11kV	£293.16	£0.00
COMS5	COMMERCIAL STREET 11kV	£3,123.54	£0.14
COUR5	COURT ROAD 11kV	£1,360.46	-£1,858.70
COWB5	COWBRIDGE 11kV	-£760.17	-£1,243.30

		Seasonal Marginal Charge (£/MVA)	
Load Bus Code	Load Bus Name	winter price	summer price
CREI5	CREIGIAU 11kV	£9,026.03	-£1.69
CRIC5A	CRICKHOWELL 11kV A	£12,930.06	£0.00
CRIC5B	CRICKHOWELL 11kV B	£17,554.62	£0.00
CRHA5	CROSSHANDS 11kV	£2,191.39	-£3,193.04
CRUM5	CRUMLIN 11kV	£17,765.21	£0.00
CRWY5	CRWYS ROAD 11kV	£9,380.97	£481.22
CWMB5	CWMBRAN 11kV	£1,699.10	£0.00
CWMF5	CWMFELINFACH 11kV	£23,065.55	£0.00
CWFR5	CWMFFRWD 11kV	£6,660.94	-£519.79
CYNC5	CYNCOED 11kV	£10,112.34	£870.24
EAST5	EAST ABERTHAW 11kV	-£1,703.79	-£1,293.24
EBBC5	EBBW VALE CENTRAL 11kV	£10,463.25	£0.00
ELY_5	ELY 11kV	£4,440.60	£4,180.38
ENER5	ENERGLYN 11kV	£777.68	-£0.03
FAIR5	FAIRWATER 11kV	£9,231.74	£4,246.70
FELI3	FELINDRE PUMPING STATION	£174.87	£0.00
FISH5	FISHGUARD 11kV	£32,978.28	£0.00
FORB52	FORDS BRIDGEND 11kV 2	£660.39	£0.00
FORJ5	FORDS JERSEY MARINE 11kV	£1,827.06	-£1.48
GARN5	GARNGOCH 11kV	£689.62	£0.00
GASY5	GAS YARD 11kV	£5,161.80	-£2.00
GETH5	GETHIN STREET 11kV	£2,388.52	£0.23
GLAS5	GLASBURY 11kV	£36,600.50	£0.00
GOLD5	GOLDEN HILL 11kV	£21,315.28	-£22.60
GOWE3	GOWERTON EAST 33kV	£186.64	£51.51
GRAN6A	Grange 66 kV Local Load	£342.46	£0.00
GRAT5	GRANGETOWN 11kV	£271.94	£1,599.44
GWAU5	GWAUN CAE GURWEN 11kV	£4,024.78	-£84.00
HAVP5	HAVERFORD WEST P/STN 11kV	£26,077.57	£0.00
HEAT5	HEATH 11kV	£7,304.66	£453.23
HHOS5	HEATH HOSPITAL 11kV	£6,270.72	£563.55
HEND5	HENDY 11kV	£1,991.58	-£3,236.19
HIGH5	HIGHMEAD 11kV	£5,802.59	£4,584.28
HIRW5	HIRWAUN 11kV	£2,826.95	-£152.24
INCS5	INCO EUROPE SOUTH 11kV	£247.46	£0.00
IRON5	IRONBRIDGE 11kV	£3,515.53	-£1.70
JERM5	JERSEY MARINE 11kV	£1,951.61	£0.16
KIDW5	KIDWELLY 11kV	£6,419.73	£0.00
LADY5	LADY WINDSOR 11kV	£4,075.90	-£145.73
LAMP5	LAMPETER 11kV	£13,552.54	£11,775.66
LIME5	LIME STREET 11kV	£684.88	£0.00
LITC5	LITCHARD 11kV	£7,800.49	£474.29
LLAN5	LLANARTH 11kV	£13,641.59	£245.84
LLCY5	LLANDARCY 11kV	£2,037.51	£0.23
LDEI5	LLANDEILO 11kV	£11,991.96	-£31,043.31
LLDO5	LLANDOUGH 11kV	£5,874.27	£4,319.59

		Seasonal Marginal Charge (£/MVA)	
Load Bus Code	Load Bus Name	winter price	summer price
LDOV5	LLANDOVERY 11kV	£15,337.36	-£88,479.07
LLDR5	LLANDRINDOD WELLS 11kV	£35,029.78	-£14.42
LLEL5A	LLANELLI 11kV 1	£3,151.71	£155.72
LLAY5	LLANFIHANGEL YSTRAD 11kV	£16,019.21	£7,526.88
LFYR5	LLANFYRNACH 11kV	£6,381.32	-£10,698.90
LGAD5	LLANGADOG 11kV	£12,131.62	-£57,665.37
LLAG5	LLANGEWYDD 11kV	£7,469.86	£509.46
LLIS5	LLANISHEN 11kV	£3,400.80	£447.31
LWNI5	LLANLLWNI 11kV	£15,572.76	£5,575.37
LRHI5	LLANRHIDIAN 11kV	£6,265.97	£154.44
LLTA5	LLANTARNAM 11kV	£5,453.27	£0.19
LLYN5	LLYNFI 11kV	£1,048.73	-£2,171.84
MAER5	MAERDY 11kV	£2,848.89	-£7,760.78
MAES5	MAES AR DAFEN 11kV	£7,925.36	£0.00
MAGO5	MAGOR 11kV	£880.04	£0.00
MANO3	MANORAVON 33kV	£0.00	£0.00
MEIN5	MEINCIAU 11kV	£5,245.33	£0.00
MERB5	MERLINS BRIDGE 11kV	£24,032.05	£0.00
MERE5	MERTHYR EAST 11kV	£13,167.44	-£0.04
MIDD5	MIDDLE FAN 11kV	£5,457.06	-£616.35
MILP5	MILFORD HAVEN 11kV	£27,320.29	-£0.28
MILL5	MILL ST TONYREFAIL 11kV	£1,717.33	-£2,882.45
MONM5	MONMOUTH 11kV	£11,810.31	£0.00
MORL5	MORLANGA 11kV	£3,378.84	-£1.70
MORR5	MORRISTON A 11kV	£3,688.04	£52.72
MORN5	MORRISTON B 11kV	£872.69	£51.46
MOUA5	MOUNTAIN ASH 11kV	£5,334.70	-£291.90
NANG5	NANTGAREDIG 11kV	£8,520.01	-£13,516.57
NANT5	NANTGARW 11kV	£523.28	-£0.03
NANW5	NANTWEN 11kV	£21,330.46	-£0.04
NELS5	NELSON 11kV	£5,876.45	-£108.59
NEVE5	NEVERN 11kV	£35,633.53	£0.00
NEWL5	NEW LODGE 11kV	£11,544.38	£0.00
NCES5	NEWCASTLE EMLYN SOUTH 11kV	£15,028.05	£1,611.20
NEWH5	NEWHOUSE 11kV	£2,992.08	£0.00
NEWE5A	NEWPORT EAST 11kV A	£3,070.88	£0.00
NEWE5B	NEWPORT EAST 11kV B	£699.56	£0.00
NEWS5	NEWPORT SOUTH 11kV	£3,760.06	£0.00
NEWW5	NEWPORT WEST 1/2 11kV	£627.37	£4,060.25
NEWW53	NEWPORT WEST 3/4 11kV	-£281.34	£17,987.72
NEYL5	NEYLAND 11kV	£38,398.34	-£81.95
NORT5	NORTHCOTE ST 11kV	£15,693.07	£461.56
NOTT5	NOTTAGE 11kV	£7,232.07	-£902.79
OGMV5	OGMORE VALE 11kV	£1,822.10	-£3,684.20
ORBW5	ORB WORKS 11kV	£2,740.86	£0.00
PANT5	PANTEG 11kV	£8,377.01	£0.00

		Seasonal Marginal Charge (£/MVA)	
Load Bus Code	Load Bus Name	winter price	summer price
PANF5	PANTYFFYNON 11kV	£4,009.62	-£3,362.55
PARK5	PARK LANE 11kV	£8,634.33	£436.82
PENA5	PENARTH 11kV	£7,179.90	£4,630.80
PEBL5	PENBLEWIN 11kV	£26,692.57	£0.00
PENC5	PENCOED 11kV	£11,055.94	-£0.03
PEND51	PENDINE 11kV 1	£6,429.64	-£12,060.96
PEGG5	PENGAM 11kV	£25,705.05	£0.00
PENT5	PENTREBACH 11kV	£8,715.05	-£0.04
PONA5	PONT AR ANELL 11kV	£11,671.84	£39,598.76
POND5	PONTARDAWE 11kV	£6,031.35	-£68.54
POLL5	PONTLLANFRAITH 11kV	£22,530.96	£0.00
PONY5	PONTYATES 11kV	£5,744.61	£0.00
PYCN5	PONTYCLUN 11kV	£4,421.89	-£0.03
POMI5	PONTYMISTER 11kV	£1,652.17	£0.00
POPN51	PONTYPOOL NORTH 11kV 1	£1,364.01	£0.00
POPN52	PONTYPOOL NORTH 11KV 2	£1,364.01	£0.00
PYLE5	PYLE 11kV	£6,907.88	-£921.58
RASW5	RASSAU WEST 11kV	£2,837.28	£0.00
RAVE5	RAVENHILL 11kV	£5,870.45	£149.49
RHAY5	RHAYADER 11kV	£38,021.06	-£67.26
RHOS5	RHOS 11kV	£12,694.56	£1,508.98
RHYD3	RHYDLYDAN 33kV MANWEB	£13,356.90	-£3,646.67
RING5	RINGLANDS 11kV	£5,546.85	£0.00
ROBE51	ROBESTON (ELF) 11kV 1	£20,905.23	£211.89
ROBE52	ROBESTON (ELF) 11kV 2	£20,885.59	£220.82
RODM5	RODMILLS (GKN) 11kV	£2,644.81	£6,871.11
ROVE5	ROVER WAY 11 kV	£484.72	£1,194.93
SANA5	SANATORIUM 11kV	£3,825.82	£4,108.07
SAND5	SANDON ST 11kV	£4,417.99	£4,250.42
SCHW51	SCHWYLL 11kV	£11,385.33	£501.36
SHIP5	SHIP HILL 11kV	£1,339.65	-£1,858.70
SIMS5	SIMS 11KV	-£395.54	-£590.18
SKET5	SKETTY PARK 11kV	£5,967.95	£258.89
SHHK3	SOUTH HOOK 33 kV	£20,826.39	£0.00
SPVL31	SPORTS VILLAGE 33kV No1	£3,429.06	£3,828.33
SPVL32	SPORTS VILLAGE 33kV No2	£3,429.06	£3,828.33
STAR5	ST ARVANS 11kV	£2,935.78	£0.00
STCL5	ST CLEARS 11kV	£5,969.54	-£2,177.11
STDA5	ST DAVIDS 11kV	£31,156.05	£0.00
STFL5	ST FLORENCE 11kV	£42,206.39	£0.00
STME5	ST MELLONS 11kV	£8,165.59	£466.51
STTW5	ST TWYNELLS 11kV	£26,699.45	-£22.45
STEY5	STEYNTON 11kV	£28,701.59	-£0.28
STRA5	STRAND 11kV	£6,938.51	£0.23
SUDB5	SUDBROOK 11kV	£3,401.07	£0.00
SULG5	SULLY 11kV	-£5,540.04	-£3,611.51

		Seasonal Marginal Charge (£/MVA)	
Load Bus Code	Load Bus Name	winter price	summer price
SULG1	SULLY 132kV	-£6,835.25	-£3,687.58
SWRD5	SWANSEA ROAD 11kV	£8,705.88	-£0.04
SWAT5	SWANSEA TRADING ESTATE 11kV	£4,849.76	£258.91
SWAU5	SWANSEA UNIVERSITY 11kV	£4,811.98	£259.86
SWWF5	SWANSEA WATERFRONT 11kV	£2,015.16	£0.23
TAFF5	TAFF BANK 11kV	£3,756.98	£4,037.78
TALB5	TALBOT GREEN 11kV	£3,861.57	-£0.03
TENB5	TENBY 11kV	£51,585.86	£0.00
TEXA5A	TEXACO 11kV A	£0.00	£0.00
TEXA5B	TEXACO 11kV B	£0.00	£0.00
TIRJ7	TIR JOHN 6.6kV	£1,819.35	-£18.86
TONY5	TONYPANDY 11kV	£3,938.49	-£1,496.40
TOWE5	TOWER COLLIERY 11kV	£2,649.43	-£455.14
TRAV5	TRAVELLERS REST 11kV	£4,283.64	-£78.54
TRED5	TREDEGAR 11kV	£13,482.21	£0.00
TREG5	TREGARON 11kV	£14,638.24	£10,483.16
GKTR5	TREMORFA (GKN) 11kV	£5,317.19	£476.01
TRET5	TRETHOMAS 11kV	£1,050.74	-£1.70
TREV5	TREVAUGHAN 11kV	£7,594.26	-£504.19
TBSC3	Trostre BSC Load	£4,823.06	£0.00
TROW5	TROWBRIDGE 11kV	£2,886.86	£797.44
TUMB5	TUMBLE 11kV	£2,933.07	-£3,296.64
UPLA5	UPLANDS 11kV	£5,200.66	£258.91
UPBK5	UPPER BANK 11kV	£8,918.40	£0.23
UPPB5	UPPER BOAT 11kV	£2,285.39	-£0.03
USK_5	USK 11kV	£18,363.32	£0.00
USKW3	USK WAY 33kV	£2,527.97	£0.00
VICR5	VICTORIA RD 11kV	£4,868.60	£0.14
WATE51	WATERSTON(GULF) 11kV 1	£20,849.11	£0.00
WIND5	WATERTON INDUSTRIAL 11kV	£4,534.42	-£0.39
WATT5	WATTSTOWN 11kV	£4,462.87	-£957.43
WAUN3	WAUNARLWYDD 33kV	£444.68	£0.00
WERN5	WERN 11kV	£1,156.59	£0.16
WESX5	WEST CROSS 11kV	£8,151.04	£260.01
WESF5	WESTFA 11kV	£5,381.30	£0.00
WGWB3	WGWB RIVER TOWY INTAKE 33kV	£7,415.73	-£12,003.69
WHIH7	WHITEHEADS 6.6kV	£2,524.81	£0.00
WHIT5	WHITLAND 11kV	£5,979.53	-£10,745.11
WTHY5	WITHYHEDGES 11kV	£0.00	£0.00
WOOD5	WOOD ST 11kV	£5,542.61	£4,575.40
YNST5	YNYS ST 11kV	£4,640.48	£0.14
YNYS5	YNYSFEIO 11kV	£9,179.33	-£4,127.50

Unmetered Non-Half Hourly and Pseudo Half-Hourly Tariffs

3.9. Suppliers who wish to supply electricity to customers where a non-half hourly unmetered (M Class B) or pseudo half-hourly supply is provided will adopt one of the charge structures in the table below.

Table 6 – Tariffs for NHH and Pseudo HH unmetered

Description	LLFC	Unrestricted or Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)
NHH UMS (Unmetered Supplies)	701	3.289		
LV UMS (Pseudo HH metered)	700	26.140	3.019	1.131

Notes: The above charges do not include any meter administration fees for pseudo metering, required for the operation of the Balancing and Settlement Code, or any alternative agreement or Code, in accordance with the "Unmetered Supplies Procedure" – BSCP 520.

Time Periods for Pseudo Half-Hourly Metered Supplies (all times are UK clock time):

	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

Use of System Charges Out of Area

3.10. WPD does not operate out of its Distribution Service Area.

Preserved/Additional LLFC Classes

3.11. The tables below list any preserved and additional LLFCs that are valid at 1st April 2011. Preserved tariffs are mapped to the charges for the relevant tariff and are closed to new customers. WPD does not have any HH Preserved/Additional LLFC Classes.

Table 7 – NHH Preserved/Additional LLFC Classes					
Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
Domestic Off-Peak (Related MPAN)	194	2		0.251	
Domestic Off-Peak (Related MPAN)	843	2		0.251	
Small Non-Domestic Off peak (Related MPAN)	294	4		0.297	

Notes:	Unit time periods are as specified in the SSC.
	The Domestic and Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.
	Preserved tariffs are only available to existing supplies, subject to certain conditions: a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff; b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored; c) Any additional load required to be supplied on the preserved tariff must be within the existing supply capacity. Profile class 2 preserved tariffs are applicable only to premises used exclusively as single private dwellings supplied from the LV network with a maximum capacity of less than 20kVA. Profile class 4 preserved tariffs are generally only available to premises supplied from the LV network with a maximum capacity of less than 45kVA and power factor greater than 0.90.

4. Generation Tariffs

4.1. Suppliers who wish to purchase electricity from distributed generators with NHH metered Measurement Class A MPANs or with HH metered Measurement Class C or E MPANs may, adopt this charge structure depending upon the metered voltage.

4.2. The tariffs in table 8a apply to sites metered at HV or LV. The site specific charges in table 8b apply to sites metered at EHV.

Table 8 a - Generation Tariffs (HH and NHH)

Description	LLFC	Fixed charge (p/MPAN/day)	Unrestricted or Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
Non-Half Hourly Tariffs						
LV Generation NHH	697	n/a	-0.639			
LV Sub Generation NHH	717	n/a	-0.582			
Half Hourly Tariffs						
LV Generation Intermittent	697	n/a	-0.639			0.252
LV Generation Non-Intermittent	603	n/a	-4.954	-0.500	-0.111	0.252
LV Sub Generation Intermittent	602	n/a	-0.582			0.221
LV Sub Generation Non-Intermittent	604	n/a	-4.507	-0.454	-0.105	0.221
HV Generation Intermittent	698	30.68	-0.403			0.178
HV Generation Non-Intermittent	606	30.68	-3.077	-0.303	-0.088	0.178
HV Sub Generation Intermittent	605	30.68	-0.395			0.149
HV Sub Generation Non Intermittent	607	30.68	-3.010	-0.296	-0.088	0.149

Notes: Time Periods (all times are UK clock time):

	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**

4.3 The following charges are calculated using WPD's Wales and South West EHV charging methodology and are applied on a site specific basis.

Table 8b – Site-Specific tariffs for HH metered EHV

Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/ day)	Excess capacity charge (p/kVA/ day)	Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)	MPAN
Tata Margam	601	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2189999998739
Tower	621	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2198765426182
Fort James	633	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2198765427530
Dow Corning	636	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2189999997354
Taff Ely Wind Farm	650	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2189999997345
Bryn Titli Wind Farm	651	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2199989632384
Dyffryn Brodyn Wind Farm	652	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2189999997390

Table 8b – Site-Specific tariffs for HH metered EHV									
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/ day)	Excess capacity charge (p/kVA/ day)	Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)	MPAN
Llyn Brianne	653	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2199989612769
Parc Cynog	659	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2198765142992
Blaen Bowi	660	n/a	2.489	n/a	n/a	n/a	n/a	n/a	2100040126333
Margam Biomass	661	n/a	-0.072	n/a	n/a	n/a	n/a	n/a	2100040719983
Trecatti	662	n/a	-0.639	n/a	n/a	n/a	n/a	n/a	2100040609507
Blaen Cregan Wind Farm	663	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2100040495600
ABB Zantingh (Cornelly)	664	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2100040067477
Crymlin Burrows	665	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2100040067529

Table 8b – Site-Specific tariffs for HH metered EHV									
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/ day)	Excess capacity charge (p/kVA/ day)	Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)	MPAN
Withyhedges	666	n/a	0.227	n/a	n/a	n/a	n/a	n/a	2100040694051
Parc Cynog (Pendine)	667	n/a	6.385	n/a	n/a	n/a	n/a	n/a	2100040841780
Blaengwen	668	n/a	3.310	n/a	n/a	n/a	n/a	n/a	2100040878016
Pwllfa Watkin	670	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2100040485940
Bettws	674	n/a	0.040	n/a	n/a	n/a	n/a	n/a	Not energised
Fochriw	675	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Not energised
Maerdy	676	n/a	2.458	n/a	n/a	n/a	n/a	n/a	Not energised
Newport Biomass	677	n/a	0.399	n/a	n/a	n/a	n/a	n/a	Not energised

Table 8b – Site-Specific tariffs for HH metered EHV									
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/ day)	Excess capacity charge (p/kVA/ day)	Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)	MPAN
Milford Energy	678	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2100040752396
Ferndale	679	n/a	0.476	n/a	n/a	n/a	n/a	n/a	2100040989431
Maesgwyn	684	n/a	0.227	n/a	n/a	n/a	n/a	n/a	2100040960619
Fforchness	685	n/a	2.255	n/a	n/a	n/a	n/a	n/a	Not energised
Mynydd Portref	686	n/a	1.821	n/a	n/a	n/a	n/a	n/a	Not energised
Newton Down	687	n/a	0.445	n/a	n/a	n/a	n/a	n/a	Not energised

Preserved Generation Tariffs

4.4 WPD does not have any preserved generation tariffs

5. Licensed Distributor Network Operator (LDNO) tariffs

5.1. LDNO tariffs have been calculated for use by LDNOs **only** to reflect the displacement of the upstream DNO distribution costs and are not available for DNO to DNO inter-connectors, connections to other offshore transmission networks or other similar connections. Use of system charges for inter-connectors, offshore transmission connections or other similar connections will be based on the appropriate standard tariffs.

5.2. The tariff structure for embedded network operators will mirror the structure of the all-the-way-tariff and is dependent upon the voltage of connection, either LV or HV. The same tariff elements will apply as those match the LDNOs end customers tariffs.

LDNO LV Connections to DNO Network; Low Voltage Tariffs for Profile Classes 1 to 8

5.3. The following tariffs apply to the LDNOs whose connection to the distribution network is at LV.

Table 9 - LDNO LV Connections to DNO Network:

Tariffs for Profile Classes 1 to 8

Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
Domestic Unrestricted	870	1	2.43	1.869	
Domestic Two-Rate	871	2	2.43	2.169	0.259
Domestic Off-Peak (Related MPAN)	872	2		0.179	
Small Non-Domestic Unrestricted	873	3	3.97	1.513	
Small Non-Domestic Two Rate	874	4	3.97	1.929	0.259
Small Non-Domestic Off Peak (Related MPAN)	875	4		0.212	
LV Medium Non-Domestic	876	5 to 8	27.01	1.627	0.177
Non-Half Hourly Unmetered	878	1 & 8		2.342	
LV Generation Non-Half Hourly	880	5 to 8		-0.639	

LDNO LV Connections to DNO Network: Low Voltage Tariffs for HH Metered Customers

5.4. The following tariffs apply to LDNOs whose connection to the distribution network is at LV.

Table 10 – LDNO LV Connections to DNO Network: Tariffs for HH Metered Customers

Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Unrestricted or Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
LV Half-Hourly Metered	877	6.20	1.57	1.57	8.333	0.750	0.155	0.353
LV Half-Hourly Unmetered	879	n/a	n/a	n/a	18.616	2.150	0.805	n/a
LV Generation Intermittent	881	n/a	n/a	n/a	-0.639	n/a	n/a	0.252
LV Generation Non-Intermittent	882	n/a	n/a	n/a	-4.954	-0.500	-0.111	0.252

Notes:

Time Periods (all times are UK clock time):

	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**

LDNO HV Connections to DNO Network: Low Voltage Tariffs for Profile Classes 1 to 8

5.5. The following tariffs apply to LDNOs whose connection to the distribution network is at HV.

Table 11 – LDNO HV Connections to DNO Network: Tariffs for Profile Classes 1 to 8

Description	LLFC	Profile Class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
Domestic Unrestricted	883	1	1.24	0.954	
Domestic Two-Rate	884	2	1.24	1.106	0.132
Domestic Off-Peak (Related MPAN)	885	2		0.091	
Small Non-Domestic Unrestricted	886	3	2.02	0.772	
Small Non-Domestic Two Rate	887	4	2.02	0.984	0.132
Small Non-Domestic Off-Peak (Related MPAN)	888	4		0.108	
LV Medium Non-Domestic	889	5 to 8	13.78	0.830	0.090
Non-Half Hourly Unmetered	893	1 & 8		1.195	
LV Generation NHH	895	8		-0.639	
LV Sub Generation NHH	902	8		-0.582	

LDNO HV connections to DNO network: HIGH voltage tariffs for HH Metered Customers

5.6. The following tariffs apply to LDNOs whose connection to the distribution network is at HV.

Table 12 – LDNO HV Connections to DNO Network: Tariffs for HH Metered Customers

Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Unrestricted or Red unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
LV Half-Hourly Metered	890	3.16	0.80	0.80	4.250	0.383	0.079	0.180
LV Half-Hourly Unmetered	894	n/a	n/a	n/a	9.495	1.097	0.411	n/a
LVS Half-Hourly Metered	891	3.39	1.32	1.32	5.785	0.511	0.112	0.234
HV Half-Hourly Metered	892	46.92	1.61	1.61	5.679	0.494	0.112	0.218
LV Generation Intermittent	896	n/a	n/a	n/a	-0.639	n/a	n/a	0.252
LV Generation Non-Intermittent	897	n/a	n/a	n/a	-4.954	-0.500	-0.111	0.252
LVS Generation Intermittent	898	n/a	n/a	n/a	-0.582	n/a	n/a	0.221
LVS Generation Non-Intermittent	899	n/a	n/a	n/a	-4.507	-0.454	-0.105	0.221
HV Generation Intermittent	900	n/a	n/a	n/a	-0.403	n/a	n/a	0.178
HV Generation Non-Intermittent	901	n/a	n/a	n/a	-3.077	-0.303	-0.088	0.178

Notes:

Time Periods

Time Periods (all times are UK clock time):

	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**

6. System Loss Adjustment Factors

Role of Loss Adjustment Factors in the Supply of Electricity

6.1. Authorised Electricity Operators providing a supply of electricity from any entry point into WPD's electricity distribution network, including a generator entry point embedded in the network or a supply point from the transmission network, will be required to demonstrate that at all times the amount of electricity entering the network is sufficient to meet the supply in accordance with the following adjustment factors.

6.2. Adequate supply can be demonstrated either by membership of the Balancing and Settlement Code or by provision of metering information on the relevant supply and load(s). Table 14 indicates the factor by which supplies taken from the Grid Supply Point must exceed the take at the exit point from the network, varying according to the time of day, the season and the voltage of connection.

6.3. The treatment of electrical losses on our distribution system is regulated in accordance with the price control set out in the Licence. Suppliers should refer to the table of loss adjustment factors to calculate the amount of electricity that they must provide. The same Loss Adjustment Factors (LAFs) are reflected in the settlement system.

6.4. Loss Factors are calculated in accordance with BSCP 128. BSCP 128 determines the principles which DNOs must comply with when setting LAFs. Our methodology can be downloaded from the Elexon website www.Elexon.co.uk.

Site Specific Loss Adjustment Factors

6.5. In accordance with BSCP 128, where a site is metered at EHV, account will be taken of the individual characteristics and location with regard to the real electrical flows on the network, including any losses on the connection to WPD's electricity distribution network. New EHV connections will be allocated a generic EHV loss factor from table 14, dependent on the voltage of connection.

6.6. Tables 15a and 15b indicate the factors by which supplies entering at the Grid Supply Point must exceed the take at the exit point from the system, varying according to the time of day, the season and the voltage of connection. The

LAFs reflect the total losses on the company's system as attributable to the relevant voltages.

6.7. The Elexon website contains the loss factors in standard industry data format (D0265). Details can be found at https://www.bsccentralservices.com/ (login required), within Applications / Market Data Dashboard.

Table 13 – Time periods LLFC classes				
Time periods	Period 1	Period 2	Period 3	Period 4
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			

Table 14 – Metered voltage, respective periods and associated LLFCs Demand / Generation					
Metered Voltage	**Period 1**	**Period 2**	**Period 3**	**Period 4**	**Associated LLFC Classes**
Low Voltage Network	1.084	1.078	1.069	1.073	100, 101, 105, 106, 194, 200, 201, 294, 300, 697, 700, 701, 800, 801, 810, 811, 843, 860, 861, 862, 863
Low Voltage Substation	1.062	1.059	1.056	1.057	344, 602, 603, 604, 717
High Voltage Network	1.046	1.043	1.034	1.039	400, 606, 698
High Voltage Substation	1.031	1.030	1.026	1.028	444, 605, 607
33kV connected	1.023	1.021	1.017	1.020	596, 699

66kV connected	1.034	1.034	1.039	1.039	456, 457
66/HV connected	1.044	1.043	1.049	1.049	458, 459
132/33kV connected	1.014	1.014	1.013	1.013	452, 453
132/66kV connected	1.014	1.014	1.012	1.013	450, 451
132/HV connected	1.016	1.015	1.014	1.015	454, 455
132kV connected	1.009	1.008	1.006	1.008	608, 609

Table 15a – EHV Site Specific Demand

Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC Classes
ABB Cornelly	1.000	1.000	1.000	1.000	507
Alcoa	1.002	1.002	1.012	1.002	513
Alpha Steel	1.000	1.000	1.000	1.000	510
ASW 33kV	1.017	1.018	1.018	1.018	520
ASW Rod Mill	1.008	1.007	1.008	1.008	514
Bettws	1.009	1.008	1.006	1.008	508
Blaen Bowi	1.023	1.021	1.017	1.020	509
Blaen Cregan	1.000	1.000	1.000	1.000	547
Blaengwen Wind Farm	1.009	1.008	1.006	1.008	548
Blue Circle	1.001	1.001	1.002	1.002	522
BOC Margam	1.001	1.001	1.001	1.001	511
Borden	1.005	1.005	1.005	1.005	534
Bryn Titli Wind Farm	1.000	1.000	1.000	1.000	549
Tata Margam	1.001	1.001	1.001	1.001	501
Tata Orb	1.005	1.005	1.005	1.005	505
Tata Trostre	1.009	1.009	1.009	1.009	504
Crymlin Burrows	1.007	1.007	1.007	1.007	571
DCWW Nantgarredig	1.140	1.111	1.112	1.109	532
DCWW Rover Way	1.006	1.006	1.006	1.006	538
Dow Corning	1.003	1.003	1.003	1.003	536
Dyffryn Brodyn Wind Farm	1.000	1.000	1.000	1.000	572
Felindre	1.004	1.009	1.003	1.005	545
Fochriw	1.023	1.021	1.017	1.020	573
Ford Bridgend	1.006	1.006	1.005	1.006	512
Ford Swansea	1.012	1.012	1.012	1.012	528
Fort James	1.017	1.017	1.017	1.017	533
Inco	1.004	1.004	1.004	1.004	529
Llyn Brianne	1.000	1.000	1.000	1.000	574
Maerdy	1.023	1.021	1.017	1.020	575
Mainline Pipelines	1.019	1.019	1.019	1.019	519
Margam Biomass	1.000	1.000	1.000	1.000	577
Milford Energy	1.011	1.011	1.010	1.010	541
Newport Biomass	1.009	1.008	1.006	1.008	578

Parc Cynog	1.023	1.021	1.017	1.020	583
Parc Cynog (Pendine)	1.023	1.021	1.017	1.020	584
PCC Texaco	1.004	1.004	1.004	1.004	517
Pwllfa Watkin EHV	1.000	1.000	1.000	1.000	579
Simms Metals	1.002	1.002	1.002	1.002	539
Solutia	1.006	1.006	1.006	1.006	535
South Hook	1.013	1.013	1.012	1.012	542
Swansea University	1.011	1.013	1.011	1.012	531
Taff Ely Wind Farm	1.000	1.000	1.000	1.000	580
Timet	1.004	1.004	1.005	1.005	546
Total Fina Elf	1.019	1.019	1.020	1.020	515
Tower	1.050	1.039	1.042	1.048	521
Trecatti	1.000	1.000	1.000	1.000	581
Whitbread Magor	1.005	1.005	1.005	1.005	518
Whitehead Works	1.006	1.006	1.005	1.006	544
Withyhedges Landfill	1.000	1.000	1.000	1.000	582

Table 15b – EHV Site Specific Generation

LLFC	Period 1	Period 2	Period 3	Period 4	Associated LLFC Classes
Tata Margam Export	1.000	1.000	1.000	1.001	601
ABB Cornelly Export	1.019	1.021	1.000	1.021	664
Bettws Export	1.009	1.008	1.006	1.008	674
Blaen Bowi Export	1.129	1.126	1.130	1.130	660
Blaen Cregan Export	1.009	1.009	1.011	1.012	663
Blaengwen Wind Farm Export	1.009	1.008	1.006	1.008	668
Bryn Titli Wind Farm Export	1.137	1.138	1.139	1.139	651
Centrica Barry Standby	1.000	1.000	1.000	1.000	7055
Centrica Barry Export	0.997	0.997	0.998	0.997	7051
Crymlin Burrows Export	1.026	1.026	1.026	1.026	665
District Energy Aberdare	1.018	1.020	1.023	1.019	7163
District Energy Solutia	1.005	1.005	1.006	1.005	7159
Dow Corning Export	1.003	1.003	1.003	1.003	636
Dyffryn Brodyn Wind Farm Export	1.144	1.143	1.143	1.146	652
Fochriw Export	1.023	1.021	1.017	1.020	675
Fort James Export	1.000	1.000	1.000	1.000	633
Llyn Brianne Export	1.131	1.131	1.145	1.148	653
Maerdy Export	1.023	1.021	1.017	1.020	676
Margam Biomass Export	0.997	0.997	0.997	0.998	661
Milford Energy Export	1.016	1.015	1.014	1.015	678
Newport Biomass Export	1.009	1.008	1.006	1.008	677
Parc Cynog (Pendine) Export	1.023	1.021	1.017	1.020	667
Parc Cynog Export	1.121	1.121	1.119	1.119	659
Pwllfa Watkin Export	1.032	1.034	1.032	1.032	670
Solutia Export	1.016	1.015	1.014	1.015	617
Taff Ely Wind Farm Export	1.030	1.030	1.031	1.031	650
Total Fina Elf Export	1.016	1.015	1.014	1.015	618
Tower Export	1.000	1.000	1.000	1.000	621
Trecatti Export	1.042	1.041	1.041	1.042	662
Whitbread Magor Export	1.006	1.006	1.007	1.007	619
Withyhedges Landfill Export	1.056	1.057	1.057	1.057	666

7. Electricity Distribution Rebates

7.1. WPD has neither given nor announced any distribution system rebates to authorised electricity operators in the 12 months preceding the date of publication of this revision of the statement.

8. Accounting and Administration Services

Administration Charge

8.1. No charges for Accounting and Administration Services are detailed within this statement.

9. Charges for electrical plant provided ancillary to the grant of Use of System

9.1. No charges for electrical plant provided ancillary to the grant of Use of System are detailed within this statement.

10. Glossary of Terms

10.1. The following definitions are included to aid understanding:

Term	Definition
Customer	A person to whom a user proposes to supply, or for the time being supplies, electricity through an exit point, or from whom a user, or any relevant exempt supplier, is entitled to recover charges, compensation or an account of profits in respect of electricity supplied through an exit point
Distribution Licence	The Electricity Distribution Licence granted or treated as granted pursuant to section 6(1) of the Act.
Distribution Services Area	Has, in respect of each company, the meaning given to that term in paragraph 5(b) of Condition 2 of the Distribution Licence.
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.
Extra High Voltage	Voltages of 22kV and above
Entry Point	A boundary point at which electricity is exported onto a distribution system from a connected installation or from another distribution system, not forming part of the total system (boundary point and total system having the meaning given to those terms in the BSC).
Exit Point	A boundary point at which electricity is imported from 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)
High Voltage (HV)	Nominal voltages of at least 1kV and less than 22kV
High Voltage sub-station (HV Sub)	HV Sub applies to customers connected to the licensee's distribution system at a voltage of at least 1 kV and less than 22 kV at a substation with a primary voltage (the highest operating voltage present at the substation) of at least 22 kV and less than 66 kV, where the current transformer used for the customer's settlement metering or for metering used in the calculation of the customer's use of system charges or credits is located at the substation.
Low Voltage (LV)	Nominal voltages below 1kV
Low Voltage sub-station (LV Sub)	LV Sub applies to customers connected to the licensee's distribution system at a voltage of less than 1 kV at a substation with a primary voltage (the highest operating voltage present at the substation) of at least 1 kV and less than 22 kV, where the current transformer used for the customer's settlement metering is located at the substation.
Licensed Distributor Network Operator (LDNOs)	Licensed distribution network operator. This refers to an independent distribution network operator (IDNO) or to a distribution network operator (DNO) operating embedded distribution network outside its distribution service area.
Market Domain Data	Market Domain Data is the central repository of reference data used by Suppliers, Supplier Agents and Licensed Distribution System Operators (LDSOs) in the retail electricity market. It is essential to the operation of Supplier Volume Allocation (SVA) Trading Arrangements.
Measurement Class	The measurement class of a Metering System e.g. above 100kW, below 100kW, unmetered.
Metering System	Particular commissioned Metering Equipment installed for the purposes of measuring the quantities of Exports and Imports at the Boundary Point.
Non-intermittent Generation	Non-intermittent generation is defined as a generation plant where the energy source of the prime mover can be made available on demand, in accordance to the definitions in ER P2/6. The generator can choose when to operate, and bring more benefits to the network if it runs at times of high load. These include combined cycle gas turbine (CCGT), gas generators, landfill, sewage, biomass, biogas, energy crop, waste incineration and combined heat and power (CHP). A three-rate tariff will be applied to generation credits for half-hourly settled non-intermittent generation.
Ofgem	Office of gas and electricity markets - Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.
Use of System Charges	Charges for demand and generation customers which are connected to and utilising the distribution network.
User	Is a supplier, generator or distribution network operator