



Scottish Hydro Electric Power Distribution plc

Use of System Charging Statement

Effective from 1st April 2010

Version 1.1

The form of this statement was approved by the Gas and Electricity Markets Authority on 31 March 2010.

Scottish Hydro Electric Power Distribution plc
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Registered No: SC213460

Price: £5

SSE Power Distribution is a trading name of: SSE Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission Limited Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No SC213460; S+S Limited Registered in Scotland 214382 (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 4094290 having its Registered Office at 55 Vastern Road, Reading, Berks, RG1 8BU

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**Index to the Statement of Charges for Use of the
Scottish Hydro Electric Power Distribution plc
Distribution System**

Version Number	Description of Changes
V0.0	SHEPD DUoS Charges Indicative 2010-11 (LC14 format)
V0.1	LC14 final wording updates as per WS3 delivery
V1.0	SHEPD DUoS Charges Final 2010-11 (LC14 format)
V1.1	LC14 form updates Ofgem 29 03 2010

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1. Introduction

1.1. This statement has been prepared in order to discharge Scottish Hydro Electric Power Distribution plc's ("SHEPD") 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 have any questions about this statement please contact us at the address shown below:

Angus Rae
Commercial Policy Manager
Scottish Hydro Electric Power Distribution plc
Inveralmond House
200 Dunkeld Road
Perth
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Email : angus.rae@sse.com
Telephone : 01738 456308

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

Email : authorised.capacity@sse.com

1.4. For all other queries please contact our general enquiries telephone number: 0800 048 3516.

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:

- 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/kWh (kilowatt-hour), 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 SHEPD is delivering supplies of electricity through its distribution system. The tariffs are applied on the basis of the Line Loss Classes (LLFCs) registered to the MPAN, and the units consumed within the time periods specified in this statement. All LLFCs are assigned at the sole discretion of SHEPD. 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 SHEPD 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).
- 2.5. Where an MPAN has an invalid settlement combination the 'Domestic Unrestricted' tariff will be applied as the default tariff until the invalid combination is corrected.

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 (MIC);
- An excess capacity charge, if a site exceeds its 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 (Pseudo HH); and
- Table 7 for Preserved/Additional Tariffs/LLFCs (where applicable).

Extra High Voltage (EHV) supplies

2.8. Designated EHV Properties are allocated Standard 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 SHEPD 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 SHEPD, 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 SHEPD 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 MIC multiplied by a pence/kVA/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 SHEPD, 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 SHEPD.

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

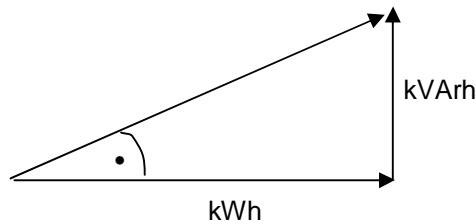
- 2.20. There is no minimum capacity threshold.

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:

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



2.23. The chargeable reactive power is calculated as follows:

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

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 occurring 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:

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

2.29. Details of our charges for NHH Generation can be found in Section 4.

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 (HV only);
- Unit charges pence/kWh for transport of electricity over the system; and
- An excess reactive power charge.

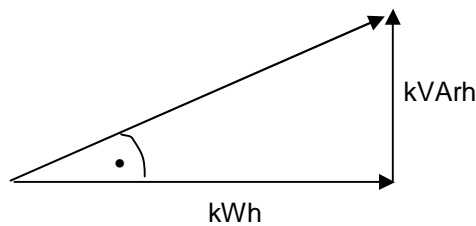
2.32. Details of our charges for HH Generation can be found in Section 4.

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:

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



2.35. The chargeable reactive power is calculated as follows:

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

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. Standard charges will apply for EHV connected generation. The charges will be set to recover the relevant costs and elements of the allowed revenue.

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 SHEPD 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 SHEPD shall be consistent with that received through the metering equipment installed. Metering data shall be provided in an electronic format specified by SHEPD 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 D0275 MRA data flow (as agreed with SHEPD). The data shall be e-mailed to: duos.income.billing@sse.com

2.41. SHEPD requires reactive consumption or production to be provided for all measurement Class C & E (mandatory half hourly metered) sites. SHEPD 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 0.95 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, 300, 120, 320, 105, 305, 125, 325, 106, 126	1	4.97	2.588	
Domestic Two Rate	101, 301, 121, 321, 127	2	4.97	3.084	1.305
Domestic Off-Peak (Related MPAN)	102, 302, 122, 322	2		1.357	
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.				
	Where an MPAN has an invalid settlement combination the LLFC will be used to determine the Tariff; where it is necessary and appropriate, SHEPD will amend the LLFC to a valid one. When it is not possible to correct the LLFC, SHEPD will contact, in accordance with the BSC, MRA Clause 24.5 and MRA WP 108, the Supplier to amend the registration details. SHEPD will not use a default tariff.				
	Off-peak terms are only available to metering points that are already on such terms and where: a) the customer retains the original off-peak equipment and the circuits from which the off-peak supply is taken are separated from all other circuits; b) the function of the off-peak equipment is not duplicated by other equipment connected to the other circuits; and c) "off-peak equipment" means appliances such as thermal storage heaters, storage water heaters or other equipment as agreed by SHEPD				
	Generally domestic DUoS tariffs are available only to premises: a) used exclusively as a single private residence; or b) comprising more than one private residence where the estimated maximum demand of the supply does not exceed 25 kW.				

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	150, 350, 170, 370, 177, 153, 353, 173, 373, 154, 354, 174, 374, 156, 356, 176, 376	3	7.74	2.203	
Small Non-Domestic Two Rate	151, 351, 171, 371, 178	4	7.74	3.073	0.538
Small Non-Domestic Off peak (Related MPAN)	152, 352, 172, 372	4		1.200	
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.				
	Where an MPAN has an invalid settlement combination the LLFC will be used to determine the Tariff; where it is necessary and appropriate, SHEPD will amend the LLFC to a valid one. When it is not possible to correct the LLFC, SHEPD will contact, in accordance with the BSC, MRA Clause 24.5 and MRA WP 108, the Supplier to amend the registration details. SHEPD will not use a default tariff.				
	Generally the NHH DUoS tariffs are only available to premises which use less than 70 kW/kVA and have a whole current meter.				

Tariffs for Profile Classes 5-8

- 3.5. Suppliers who wish to supply electricity to customers with non-half hourly metered 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	501	5-8	46.43	2.526	0.348
LV Sub Medium Non-Domestic	504	5-8	6.08	1.793	0.248
HV Medium Non-Domestic					
Notes:	Unit time periods are as specified in the SSC.				
	<p>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.</p> <p>LV Substation tariffs will be applied for new customers from 1 April 2010. Where a customer is already registered on a LV substation tariff they will remain so. If an existing customer (or his Supplier) makes a request for an exit point to be allocated as LV Substation tariff we would need to ratify that the validity criteria is met. If so, we will accommodate as appropriate.</p>				
	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. See Table 7a.				
	Where an MPAN has an invalid settlement combination the LLFC will be used to determine the Tariff; where it is necessary and appropriate, SHEPD will amend the LLFC to a valid one. When it is not possible to correct the LLFC, SHEPD will contact, in accordance with the BSC, MRA Clause 24.5 and MRA WP 108, the Supplier to amend the registration details. SHEPD will not use a default tariff.				
	For Profile Classes 5 to 8 Maximum Demand Metering functionality is required.				
	Generally the NHH DUoS tariffs are only available to premises with maximum demand less than 100 kW.				

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 or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/kVArh)
LV HH Metered	500, 503	15.42	3.07	3.07	5.382	1.674	0.276	0.369
LVS HH Metered	505	6.08	6.11	6.11	3.676	1.041	0.190	0.278
HV HH Metered	600, 603	147.98	9.12	9.12	3.095	0.786	0.160	0.190
HVS HH Metered	605	248.82	6.10	6.10	2.563	0.589	0.133	0.161
Notes:	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. If an existing customer (or his Supplier) makes a request for an exit point to be allocated as LVS or HVS substation tariff we would need to ratify that the validity criteria is met. If so, we will accommodate as appropriate.							
	<p>Time Periods (UK Clock Time):</p> <p>Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank Holidays, and Sat and Sun between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00 All times are UK clock-time.</p>							
	Fixed charges are levied on a pence per MPAN basis. Where two or more half-hourly import MPANs are located at the same point of connection, the relevant number of fixed charges will be applied. For further details and examples please refer to the MRA schedule 8 guidance on metering points.							

Tariffs for Half-Hourly Metered EHV

3.8. The following charges are calculated using the SHEPD EHV charging methodology.

Table 5 – Site-Specific tariffs for HH metered EHV								
Description	LLFC	Fixed charge (£/MPAN/month)	Capacity charge (p/kVA/month)	Excess capacity charge (p/kVA/day)	Day unit charge (p/kWh)	Night unit charge (p/kWh)		Excess reactive power charge (p/kVArh)
	700	29.89	98.00	98.00	0.201	0.201		
	703	29.89	98.00	98.00	0.201	0.201		
	704	29.89	98.00	98.00	0.201	0.201		
	705	29.89	98.00	98.00	0.201	0.201		
	706	29.89	98.00	98.00	0.201	0.201		
	707	29.89	98.00	98.00	0.201	0.201		
	708	29.89	98.00	98.00	0.201	0.201		
	709	29.89	98.00	98.00	0.201	0.201		
	710	29.89	98.00	98.00	0.201	0.201		
	711	29.89	98.00	98.00	0.201	0.201		
	713	29.89	98.00	98.00	0.201	0.201		
	714	29.89	98.00	98.00	0.201	0.201		
	715	29.89	98.00	98.00	0.201	0.201		
	716	29.89	98.00	98.00	0.201	0.201		
	717	29.89	98.00	98.00	0.201	0.201		
	718	29.89	98.00	98.00	0.201	0.201		
	722	29.89	98.00	98.00	0.201	0.201		
	723	29.89	98.00	98.00	0.201	0.201		
	724	29.89	98.00	98.00	0.201	0.201		
	725	29.89	98.00	98.00	0.201	0.201		
	726	29.89	98.00	98.00	0.201	0.201		
	727	29.89	98.00	98.00	0.201	0.201		
	728	29.89	98.00	98.00	0.201	0.201		
	729	29.89	98.00	98.00	0.201	0.201		
	730	29.89	98.00	98.00	0.201	0.201		
	731	29.89	98.00	98.00	0.201	0.201		

	732	29.89	98.00	98.00	0.201	0.201		
	735	29.89	98.00	98.00	0.201	0.201		
	736	29.89	98.00	98.00	0.201	0.201		
	737	29.89	98.00	98.00	0.201	0.201		
	738	29.89	98.00	98.00	0.201	0.201		
	739	29.89	98.00	98.00	0.201	0.201		
	740	29.89	98.00	98.00	0.201	0.201		
	741	29.89	98.00	98.00	0.201	0.201		
	742	29.89	98.00	98.00	0.201	0.201		
	743	29.89	98.00	98.00	0.201	0.201		
	744	29.89	98.00	98.00	0.201	0.201		
	745	29.89	98.00	98.00	0.201	0.201		
	746	29.89	98.00	98.00	0.201	0.201		
	748	29.89	98.00	98.00	0.201	0.201		
	749	29.89			0.201	0.201		
	753	29.89	98.00	98.00	0.201	0.201		
	754	29.89	98.00	98.00	0.201	0.201		
	755	29.89	98.00	98.00	0.201	0.201		
	756	29.89	98.00	98.00	0.201	0.201		
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	763	29.89	98.00	98.00	0.201	0.201		
	766	29.89	98.00	98.00	0.201	0.201		
	767	29.89	98.00	98.00	0.201	0.201		
	768	29.89	98.00	98.00	0.201	0.201		
	769	29.89	98.00	98.00	0.201	0.201		
	772	29.89	98.00	98.00	0.201	0.201		
	773	29.89	98.00	98.00	0.201	0.201		
	774	29.89	98.00	98.00	0.201	0.201		
	775	29.89	98.00	98.00	0.201	0.201		
	777	29.89	98.00	98.00	0.201	0.201		
	778	29.89	98.00	98.00	0.201	0.201		
	779	29.89	98.00	98.00	0.201	0.201		
	780	29.89	98.00	98.00	0.201	0.201		

	781	29.89	98.00	98.00	0.201	0.201		
	782	29.89	98.00	98.00	0.201	0.201		
	783	29.89	98.00	98.00	0.201	0.201		
	784	29.89	98.00	98.00	0.201	0.201		
	785	29.89	98.00	98.00	0.201	0.201		
	786	29.89	98.00	98.00	0.201	0.201		
	8687	29.89	98.00	98.00	0.201	0.201		
	8688	29.89	98.00	98.00	0.201	0.201		
	8689	29.89	98.00	98.00	0.201	0.201		
	8689	29.89	98.00	98.00	0.201	0.201		
	8694	29.89	98.00	98.00	0.201	0.201		
	8696	29.89	98.00	98.00	0.201	0.201		
	8699	29.89	98.00	98.00	0.201	0.201		
Notes:	<p>Time Periods</p> <p>Day unit charges apply from 07:30 – 00:30 hours, all days</p> <p>Night unit charges apply from 00:30 – 07:30 hours, all days</p> <p>All times are in UK clock time.</p>							

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 Measurement 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	Red or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)
NHH UMS	800-803	3.740		
LV UMS (Pseudo HH Metered)	804	6.042	2.352	0.852
Notes:	<p>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.</p>			
	<p>Time Periods</p> <p>Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank Holidays, and Sat and Sun between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00</p> <p>All times are UK clock-time.</p>			
	<p>Unmetered connections are provided subject to the customer signing a connection agreement and providing and maintaining an accurate, detailed inventory of all items connected. SHEPD can then issue an Unmetered Supply Certificate for electricity trading purposes.</p>			
	<p>Where the inventory is not satisfactory to SHEPD a Provisional Certificate may be issued based on the best information available. SHEPD will review the number and nature of issued Provisional Certificates with a view to increasing the estimated annual consumption (EAC) in line with deemed growth. Provisional Certificates will not normally be issued for new unmetered connections. Where such audit reveals a material discrepancy in the accuracy of the inventory submitted, additional charges may apply.</p>			

Use of System Charges Out of Area

3.10. SHEPD operates embedded distribution networks in the Scottish Power Distribution Area (GSP Group _N). The charges for these 'out of area' networks are provided in a separate charging statement. This statement is available from the following website: www.ssepd.co.uk.

Preserved/Additional LLFC Classes

3.11. The tables below list any preserved/additional LLFCs that are valid at 1st April 2010 but will gradually be withdrawn and replaced with alternatives. All preserved tariffs are mapped to the charges for the relevant active tariff. This information applies to both NHH MPANs registered as Profile Class 1 to 8 (Table 7a) and HH tariffs (Table 7b).

Table 7a – 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)	104, 304, 124, 324	2		1.357	
Small Non Domestic Off Peak (related MPAN)	155, 355, 175, 375	4		1.200	
LV Medium Non-Domestic	502	5-8	46.43	2.526	0.348
HV Medium Non-Domestic	601-602	5-8	615.57	1.206	0.175
Notes:	Refer to notes in relevant section.				

Table 7b – HH Preserved/Additional LLFC Classes

Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Red or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
LV HH Metered	503	15.42	3.07	3.07	5.382	1.674	0.276	0.369
Notes:	<p>Time Periods</p> <p>Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank Holidays, and Sat and Sun between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00</p> <p>All times are UK clock-time.</p>							
	Refer to notes in relevant section.							
	LLFC 503 is no longer offered under CDCM, MPANs will be migrated to LLFC 500.							

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 charges in Table 8b apply to sites metered at EHV.

Table 8a – Generation Tariffs						
Description	LLFC	Fixed charge (p/MPAN/day)	Red or Unrestricted 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	951		(0.882)			
LV Sub Generation NHH	952		(0.789)			
Half Hourly Tariffs						
LV Generation Intermittent	1, 909		(0.882)			0.198
LV Generation Non-Intermittent	2		(2.784)	(1.111)	(0.141)	0.198
LV Sub Generation Intermittent	3		(0.789)			0.174
LV Sub Generation Non-Intermittent	4		(2.496)	(0.992)	(0.126)	0.174
HV Generation Intermittent	5, 910	183.28	(0.403)			0.159
HV Generation Non-Intermittent	6	183.28	(1.298)	(0.489)	0.066	0.159
HV Sub Generation Intermittent	7	183.28	(0.228)			0.046
HV Sub Generation Non Intermittent	8	183.28	(0.754)	(0.261)	(0.038)	0.046
Notes:	Time Periods Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays					

	<p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank Holidays, and Sat and Sun between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00</p> <p>All times are UK clock-time., and are illustrative only subject to change</p>

- 4.3. SHEPD will, until 31st March 2011, roll forward the current charging methodology for EHV connected Distributed Generation Sites. The charges detailed in Table 8b will be applied to EHV connected generation.

Table 8b –Tariffs for HH metered EHV Generation								
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/month)	Excess capacity charge (p/kVA/day)	Red or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
EHV Generation Export			28.8					
Notes:	Charge applied to post April 2005 EHV connected generation. Pre-April 2005 EHV connected generation will not be liable for these charges pending the outcome of collaborative work between Ofgem,DNOs and Stakeholders.							

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: Low Voltage 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		1	3.74	1.947	
Domestic Two-Rate		2	3.74	2.321	0.982
Domestic Off-Peak (Related MPAN)		2		1.021	
Small Non-Domestic Unrestricted		3	5.82	1.658	
Small Non-Domestic Two Rate		4	5.82	2.312	0.405
Small Non-Domestic Off Peak (Related MPAN)		4		0.903	
LV Medium Non-Domestic		5-8	34.94	1.901	0.262
NHH UMS		1&8		2.814	

LV Generation NHH		8		(0.882)	
Notes:	Unit time periods are as specified in the SSC.				
	The Domestic and the Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.				
	SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.				

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: Low Voltage Tariffs for HH Metered Customers								
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Red or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/kVArh)
LV HH Metered		11.60	2.31	2.31	4.050	1.260	0.208	0.278
LV UMS (Pseudo HH Metered)					4.546	1.770	0.641	
LV Generation Intermittent					(0.882)			0.198
LV Generation Non Intermittent					(2.784)	(1.111)	(0.141)	0.198
Notes:	<p>Time Periods</p> <p>Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank Holidays, and Sat and Sun between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00</p> <p>All times are UK clock-time.</p>							
	Refer to notes in relevant section.							

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: Low Voltage 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		1	3.41	1.778	
Domestic Two-Rate		2	3.41	2.119	0.896
Domestic Off-Peak (Related MPAN)		2		0.932	
Small Non-Domestic Unrestricted		3	5.32	1.513	
Small Non-Domestic Two Rate		4	5.32	2.111	0.370
Small Non-Domestic Off-Peak (Related MPAN)		4		0.824	
LV Medium Non-Domestic		5-8	31.89	1.735	0.239
NHH UMS		1&8		2.569	
LV Generation NHH		8		(0.882)	
LV Sub Generation NHH		8		(0.789)	
Notes:	Unit time periods are as specified in the SSC.				
	The Domestic and the Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.				
	SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.				

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: Low Voltage and High Voltage Tariffs for HH Metered Customers								
Description	LLFC	Fixed charge (p/MPAN/day)	Capacity charge (p/kVA/day)	Excess capacity charge (p/kVA/day)	Red or Unrestricted unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/kVArh)
LV HH Metered		10.59	2.11	2.11	3.697	1.150	0.190	0.253
LV UMS (Pseudo HH Metered)					4.150	1.616	0.585	
LV Sub HH Metered		5.61	5.64	5.64	3.392	0.961	0.175	0.257
HV HH Metered		93.72	5.78	5.78	1.960	0.498	0.101	0.120
LV Generation Intermittent					(0.882)			0.198
LV Generation Non Intermittent					(2.784)	(1.111)	(0.141)	0.198
LVS Generation Intermittent					(0.789)			0.174
LVS Generation Non Intermittent					(2.496)	(0.992)	(0.126)	0.174
HV Generation Intermittent					(0.403)			0.159
HV Generation Non Intermittent					(1.298)	(0.489)	(0.066)	0.159
Notes:	<p>Time Periods</p> <p>Unit charges in the red time band apply – between 12:30 to 14:30, and 16:30 to 21:00, Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between 07:00 to 12:30, and 14:30 to 16:30, Mon to Fri including Bank Holidays, and Sat and Sun between 12:30 to 14:00, and 17:30 to 20:30</p> <p>Unit charges in the green time band apply – between 00:00 to 07:00, and 21:00 to 24:00, Mon to Fri including Bank</p>							

	Holidays, and Sat and Sun between 00::00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00 All times are UK clock-time.
	Refer to notes in relevant section.

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 the SHEPD 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). The tables 13 which follows 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 (LAFs) to calculate the amount of electricity that they must provide. The same LAFs are reflected in the settlement system
- 6.4. LAFs are calculated in accordance with BSCP 128. BSCP 128 determines the principles which DNOs must comply with when setting LLFCs. 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 into the SHEPD 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 14 indicates 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 SHEPD system as attributable to the relevant voltages.

6.7. The Elexon website contains the LAFs in standard industry data format (D0265). Details can be found within the Market data – Static data at www.Elexon.co.uk

Table 13 – LAFs time periods			
Period 1	Winter Weekday Peak	<i>16.00-19.00</i>	<i>Mon-Fri, Nov - Feb</i>
Period 2	Winter Weekday	<i>07.30-16.00</i>	<i>Mon-Fri, Nov - Feb</i>
		<i>19.00-20.00</i>	<i>Mon-Fri, Nov - Feb</i>
Period 3	Other	<i>Any time outwith Periods 1, 2, 4</i>	
Period 4	Night	<i>00.30-07.30</i>	<i>All Year</i>
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
Demand					
Low Voltage Network	1.107	1.104	1.094	1.091	100-102, 104, 105, 120-122, 124-127, 150-156, 170-178, 300-302, 304, 305, 320-322, 324-325, 350-356, 370-376, 500-502, 800-804
Low Voltage Substation	1.062	1.062	1.060	1.061	504, 505
High Voltage Network	1.042	1.040	1.035	1.032	600-602
High Voltage Substation	1.032	1.031	1.027	1.026	605
33kV connected	1.023	1.022	1.018	1.016	799
Export					
Low Voltage Network	1.107	1.104	1.094	1.091	001, 002, 951, 952, 909

Low Voltage Substation	1.062	1.062	1.060	1.061	003, 004
High Voltage Network	1.042	1.040	1.035	1.032	005, 006, 910, 950
High Voltage Substation	1.032	1.031	1.027	1.026	007, 008
33kV connected	1.023	1.022	1.018	1.016	960

Table 15a –EHV Site Specific Demand					
LLFC	Period 1	Period 2	Period 3	Period 4	Associated LLFC Classes
703	1.000	1.000	1.001	1.002	703
704	1.020	1.016	1.020	1.016	704
705	1.019	1.023	1.023	1.020	705
706	1.021	1.018	1.043	1.002	706
707	1.021	1.027	1.030	1.025	707
708	1.002	1.002	1.002	1.002	708
709	1.016	1.016	1.016	1.018	709
710	1.016	1.016	1.016	1.018	710
711	1.004	1.004	1.004	1.004	711
713	1.000	1.000	1.000	1.000	713
714	1.002	1.002	1.003	1.003	714
715	1.002	1.002	1.004	1.004	715
716	1.000	1.000	1.000	1.000	716
717	1.028	1.028	1.044	1.032	717
718	1.104	1.128	1.116	1.108	718
722	1.017	1.024	1.024	1.024	722
723	1.006	1.006	1.007	1.005	723
724	1.022	1.023	1.025	1.021	724
725	1.000	1.000	1.000	1.000	725
726	1.008	1.008	1.008	1.006	726
727	1.009	1.011	1.011	1.011	727
728	1.283	1.304	1.297	1.275	728
729	1.313	1.335	1.328	1.303	729
730	1.000	1.000	1.000	1.000	730
731	1.000	1.000	1.000	1.000	731
732	1.060	1.096	1.060	1.060	732
735	1.000	1.000	1.000	1.000	735
736	1.000	1.000	1.000	1.000	736
737	1.095	1.095	1.095	1.095	737
738	1.148	1.176	1.124	1.096	738
739	1.148	1.176	1.124	1.096	739
740	1.001	1.001	1.001	1.001	740
741	1.025	1.031	1.030	1.037	741
742	1.004	1.005	1.006	1.005	742
743	1.000	1.000	1.000	1.000	743

744	1.028	1.028	1.028	1.028	744
745	1.022	1.023	1.023	1.021	745
746	1.018	1.019	1.019	1.017	746
748	1.030	1.028	1.030	1.023	748
749	1.204	1.218	1.213	1.197	749
753	1.007	1.007	1.007	1.007	753
754	1.041	1.041	1.040	1.034	754
755	1.107	1.107	1.107	1.107	755
756	1.042	1.042	1.042	1.035	756
758	1.010	1.010	1.013	1.119	758
759	1.003	1.003	1.003	1.002	759
761	1.088	1.095	1.157	1.158	761
762	1.000	1.000	1.000	1.000	762
763	1.108	1.108	1.108	1.108	763
766	1.000	1.000	1.000	1.000	766
767	1.005	1.006	1.008	1.006	767
768	1.003	1.003	1.003	1.003	768
769	1.001	1.002	1.002	1.002	769
772	1.002	1.002	1.002	1.002	772
773	1.000	1.000	1.000	1.000	773
774	1.000	1.000	1.000	1.000	774
775	1.000	1.000	1.000	1.000	775
777	1.040	1.040	1.039	1.034	777
778	1.284	1.304	1.298	1.275	778
779	1.001	1.002	1.002	1.002	779
780	1.080	1.080	1.071	1.069	780
781	1.080	1.080	1.071	1.069	781
782	1.080	1.080	1.071	1.069	782
783	1.014	1.013	1.014	1.011	783
784	1.014	1.013	1.014	1.011	784
785	1.080	1.080	1.080	1.060	785
786	1.028	1.029	1.029	1.026	786
8596					(CVA MSID 8596)
(CVA MSID 8687)	1.001	1.001	1.002	1.002	(CVA MSID 8687)
(CVA MSID 8688)	1.004	1.016	1.008	1.008	(CVA MSID 8688)
(CVA MSID 8689)	1.020	1.024	1.024	1.025	(CVA MSID 8689)
(CVA MSID 8694)	1.037	1.036	1.037	1.029	(CVA MSID 8694)
(CVA MSID 8696)	1.000	1.000	1.000	1.000	(CVA MSID 8696)
(CVA MSID 8699)	1.000	1.000	1.000	1.000	(CVA MSID 8699)

Table 15b –EHV Site Specific Generation					
LLFC	Period 1	Period 2	Period 3	Period 4	Associated LLFC Classes
913	0.999	0.999	0.999	0.999	913
914	1.000	1.000	1.000	1.000	914
915	1.000	1.000	1.000	1.000	915
916	1.000	1.000	1.000	1.000	916
917	0.974	0.982	0.977	0.990	917
918	1.100	1.080	1.128	1.096	918
922	1.011	1.018	1.018	1.018	922
923	0.996	0.997	0.996	0.996	923
924	1.021	1.023	1.016	1.013	924
925	0.996	0.996	0.996	0.996	925
926	0.996	0.995	0.996	0.994	926
927	0.985	0.987	0.987	0.987	927
928	1.241	1.258	1.253	1.234	928
929	1.153	1.164	1.161	1.148	929
930	0.998	0.998	0.972	0.996	930
931	0.998	0.998	0.972	0.996	931
932	1.052	1.060	1.052	1.052	932
935	1.000	1.000	1.000	1.000	935
936	1.000	1.000	1.000	1.000	936
937	1.066	1.066	1.066	1.060	937
938	1.119	1.091	1.093	1.123	938
939	1.119	1.091	1.093	1.123	939
940	0.965	0.965	0.963	0.966	940
941	1.004	1.010	1.008	1.015	941
942	0.999	1.000	1.001	1.000	942
943	0.990	0.989	0.989	0.989	943
944	1.026	1.026	1.026	1.026	944
945	1.021	1.022	0.992	0.994	945
946	1.017	1.018	0.995	0.993	946
948	1.029	1.027	1.029	1.022	948
949	1.117	1.125	1.120	1.109	949
953	0.995	0.995	0.995	0.994	953
954	0.998	0.998	0.998	0.977	954
955	1.092	1.092	1.081	1.081	955
956	1.015	1.015	0.993	0.988	956
958	0.999	0.999	1.002	1.001	958

959	0.988	0.988	0.988	0.988	959
961	1.082	1.089	1.148	1.149	961
962	0.996	0.996	0.996	0.996	962
963	1.103	1.103	1.103	1.103	963
966	1.000	1.000	1.000	1.000	966
967	0.988	0.989	0.990	0.990	967
968	0.988	0.988	0.988	0.987	968
969	0.994	0.994	0.994	0.994	969
972	0.991	0.991	0.988	0.988	972
973	0.990	0.990	0.990	0.990	973
974	0.991	0.991	0.991	0.991	974
975	0.990	0.990	0.990	0.990	975
977	1.012	1.012	1.011	1.005	977
978	0.986	0.991	0.981	0.973	978
979	0.987	0.987	0.986	0.987	979
980	1.047	1.050	1.040	1.038	980
981	1.047	1.050	1.040	1.038	981
982	1.047	1.050	1.040	1.038	982
983	0.986	0.986	0.986	0.991	983
984	0.986	0.986	0.986	0.991	984
985	0.961	0.959	0.962	0.951	985
986	1.000	1.001	0.999	0.997	986
(CVA MSID 8596)	1.000	1.000	1.000	1.000	(CVA MSID 8596)
(CVA MSID 8687)	1.000	1.001	1.001	1.001	(CVA MSID 8687)
(CVA MSID 8688)	0.973	0.974	0.973	0.974	(CVA MSID 8688)
(CVA MSID 8689)	0.989	0.993	0.992	0.993	(CVA MSID 8689)
(CVA MSID 8694)	0.987	0.986	0.987	0.981	(CVA MSID 8694)
(CVA MSID 8696)	0.972	0.972	0.972	0.972	(CVA MSID 8696)
(CVA MSID 8699)	0.990	0.990	0.991	0.991	(CVA MSID 8699)

7. Electricity Distribution Rebates

- 7.1. *SHEPD 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

- 8.1. No Accounting and Administration charges are detailed within this statement, please refer to our Statement of Miscellaneous Charges for details of transactional charges and other notices.

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, please refer to our Statement of Miscellaneous Charges for details of transactional charges and other notices.

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)
Intermittent Generation	Intermittent generation is defined as a generation plant where the energy source of the prime mover cannot be made available on demand, in accordance to the definitions in ER P2/6. These include wind, tidal, wave, photovoltaic and small hydro. The operator has little control over operating times therefore, a single-rate tariff (based on a uniform probability of operations across the year) will be applied to intermittent generation.
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 Intermitent 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