

INDICATIVE



## **Scottish Hydro Electric Power Distribution plc**

### **Use of System Charging Statement**

**Effective from 1st April 2010**

**Version 0.0**

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

**Scottish Hydro Electric Power Distribution plc**  
**Registered office:**  
**Inveralmond House**  
**200 Dunkeld Road**  
**Perth**  
**PH1 3AQ**  
**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

[www.ssepd.co.uk](http://www.ssepd.co.uk)

INDICATIVE

**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) SHEPD EDN DUoS Charges Effective from 01 October 2009
V0.1	
V1.0	
V1.1	

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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" or "the Company") 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  
PH1 3AQ  
Email : [angus.rae@scottish-southern.co.uk](mailto:angus.rae@scottish-southern.co.uk)  
Telephone : 01738 456308

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

Email : [authorised.capacity@scottish-southern.co.uk](mailto:authorised.capacity@scottish-southern.co.uk)

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. There will only be one fixed charge applied to each metering point administration number (MPAN) in respect of which you are registered.

The charges are based on the following tariff components:

- A fixed charge pence/per MPAN/day; 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 SHEPD 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 statement. These time periods may not necessarily be the same as those indicated by the TPRs associated to the settlement class – specific to DNOs. 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);
  - Table 7 for UoS Charges Out of Area (where applicable); and
  - Table 8 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/per MPAN/day;
- A capacity charge, pence/per kVA/day, for agreed maximum import capacity;
- An excess capacity charge, if a site exceeds its maximum import capacity (MIC);
- Unit charges pence/per 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);
- Table 7 for UoS Charges out of area (where applicable); and
- Table 8 for Preserved/Additional Tariffs/LLFCs (where applicable).

### **Extra High Voltage (EHV) supplies**

2.8. Designated EHV Properties are allocated Site Specific DUoS tariffs. Designated EHV Properties are defined in standard condition 50A.11 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 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 on a site basis (p/kVA/day).
- 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.

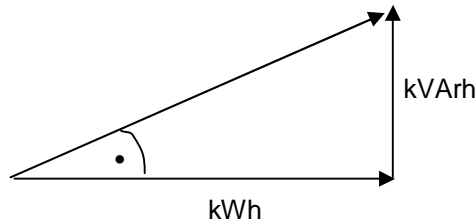
### **Import Reactive Power Charge**

- 2.21. The excess reactive power charge applies when a site's reactive power (measured in kVAh) 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:

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

2.24. Where:

AI = Active Import in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

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

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

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

### **Generation Billing and Payment by Settlement Class**

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

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

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

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

**Generation Site Specific Billing and Payment**

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

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

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

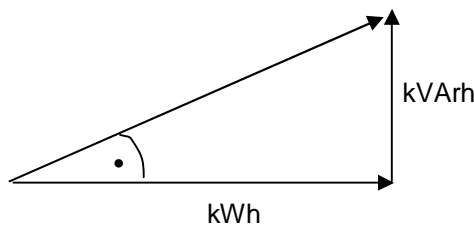
2.33. Details of our charges for HH Generation can be found in Section 4.

**Generation Reactive Power Charge**

2.34. 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.

2.35. Power Factor is calculated as follows:

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



2.36. The chargeable reactive power is calculated as follows:

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

2.37. Where:

AE = Active Export in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

- 2.38. This calculation is completed for every half hour and the values summated over the billing period.
- 2.39. Only kVArh Import and kVArh Export values occurring at times of kWh Export are used.
- 2.40. The square root calculation will be to two decimal places.

#### **Generation connected at EHV**

- 2.41. Charges for EHV connected generation will be site specific. These charges will provide focused cost reflective economic signals to generators that will encourage efficient connection to the network. The charges will be set to recover the three elements of allowed revenue relevant to each particular EHV connected generator with reference to the actual cost of connection – will be DNO specific.

#### **Provision of Billing Data**

- 2.42. 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 the Company 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 D0036/D0275 MRA data flow (as agreed with SHEPD). The data shall be e-mailed to: [duos.income.billing@scottish-southern.co.uk](mailto:duos.income.billing@scottish-southern.co.uk).

### 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 (M 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)
<b>Domestic Unrestricted</b>	100, 300, 120, 320, 105, 305, 125, 325, 126	1	4.99	2.644	
<b>Domestic Two Rate</b>	101, 301, 121, 321, 127	2	4.99	3.155	1.335
<b>Domestic Off-Peak</b> (Related MPAN)	102, 302, 122, 322	2		1.387	
<b>Notes:</b>	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.				
	[Add DNO specific notes]				
	SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.				

## Tariffs for Profile Classes 3 & 4

3.3. Suppliers who wish to supply electricity to customers with non-half hourly metered (M 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.

<b>Table 2 – NHH Tariffs for Profile Classes 3 &amp; 4</b>					
<b>Description</b>	<b>LLFC</b>	<b>Profile class</b>	<b>Fixed charge (p/MPAN /day)</b>	<b>Day or Unrestricted unit charge (p/kWh)</b>	<b>Night unit charge (p/kWh)</b>
<b>Small Non-Domestic Unrestricted</b>	150, 350, 170, 370, 177, 153, 353, 173, 373, 154, 354, 174, 374, 156, 356, 176, 376	3	7.75	2.251	
<b>Small Non-Domestic Two Rate</b>	151, 351, 171, 371, 178	4	7.75	3.155	0.553
<b>Small Non-Domestic Off peak (Related MPAN)</b>	152, 352, 172, 372	4		1.226	
<b>Notes:</b>	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.				
	SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.				

## Tariffs for Profile Classes 5-8

3.5. Suppliers who wish to supply electricity to customers with non-half hourly metered (M 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.

<b>Table 3 – NHH Tariffs for Profile Classes 5 to 8</b>					
<b>Description</b>	<b>LLFC</b>	<b>Profile class</b>	<b>Fixed charge (p/MPAN/day)</b>	<b>Day or Unrestricted unit charge (p/kWh)</b>	<b>Night unit charge (p/kWh)</b>
<b>LV Medium Non-Domestic Supplies</b>	501	5-8	44.20	2.583	0.357
<b>LV Sub Medium Non-Domestic Supplies</b>	504	5-8	6.07	1.833	0.254
<b>HV Medium Non-Domestic Supplies</b>					
<b>Notes:</b>	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 either an LV substation tariff they will remain so.</p>				
	<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 8a.</p>				
	<p>SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.</p>				

## Tariffs for Half-Hourly Metered LV and HV

3.7. Suppliers who wish to supply electricity to customers whose supplies are half hourly metered (M 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	500, 503	15.42	3.07		5.520	1.705	0.283	0.378
Low Voltage Sub HH Metered	505	6.07	6.11		3.795	1.069	0.196	0.286
High Voltage HH Metered	600, 603	147.94	9.12		3.216	0.813	0.167	0.198
High Voltage Sub HH Metered	605	248.74	6.10		2.677	0.615	0.139	0.169
<b>Notes:</b>	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.							
	<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>							

	All times are UK clock-time.
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## 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)		Day unit charge (p/kWh)	Night unit charge (p/kWh)		
Site 1	700	30.69	100.00		0.207	0.207		
Site 2	702	30.69	100.00		0.207	0.207		
Site 3	718	30.69	100.00		0.207	0.207		
Site 4	717	30.69	100.00		0.207	0.207		
Site 5	755	30.69	100.00		0.207	0.207		
Site 6	731	30.69	100.00		0.207	0.207		
Site 7	749	30.69	100.00		0.207	0.207		
Site 8	726	30.69	100.00		0.207	0.207		
Site 9	725	30.69	100.00		0.207	0.207		
Site 10	757	30.69	100.00		0.207	0.207		
Site 11	733	30.69	100.00		0.207	0.207		
Site 12	734	30.69	100.00		0.207	0.207		
Site 13	719	30.69	100.00		0.207	0.207		
Site 14	720	30.69	100.00		0.207	0.207		
Site 15	741	30.69	100.00		0.207	0.207		
Site 16	742	30.69	100.00		0.207	0.207		
Site 17	759	30.69	100.00		0.207	0.207		
Site 18	762	30.69	100.00		0.207	0.207		
Site 19	767	30.69	100.00		0.207	0.207		
Site 20	768	30.69	100.00		0.207	0.207		
Site 21	770	30.69	100.00		0.207	0.207		
Site 22	769	30.69	100.00		0.207	0.207		
Site 23	779	30.69	100.00		0.207	0.207		
Site 24	783	30.69	100.00		0.207	0.207		
Site 25	784	30.69	100.00		0.207	0.207		
Site 26	754	30.69	100.00		0.207	0.207		
Site 27	772	30.69	100.00		0.207	0.207		

<b>Site 28</b>	738	30.69	100.00		0.207	0.207		
<b>Site 29</b>	739	30.69	100.00		0.207	0.207		
<b>Site 30</b>	780	30.69	100.00		0.207	0.207		
<b>Site 31</b>	781	30.69	100.00		0.207	0.207		
<b>Site 32</b>	782	30.69	100.00		0.207	0.207		
<b>Site 33</b>	730	30.69	100.00		0.207	0.207		
<b>Site 34</b>	737	30.69	100.00		0.207	0.207		
<b>Site 35</b>	728	30.69	100.00		0.207	0.207		
<b>Site 36</b>	786	30.69	100.00		0.207	0.207		
<b>Site 37</b>	774	30.69	100.00		0.207	0.207		
<b>Site 38</b>	773	30.69	100.00		0.207	0.207		
<b>Site 39</b>	722	30.69	100.00		0.207	0.207		
<b>Site 40</b>	758	30.69	100.00		0.207	0.207		
<b>Site 41</b>	766	30.69	100.00		0.207	0.207		
<b>Site 42</b>	721	30.69	100.00		0.207	0.207		
<b>Site 43</b>	776	30.69	100.00		0.207	0.207		
<b>Site 44</b>	771	30.69	100.00		0.207	0.207		
<b>Site 45</b>	743	30.69	100.00		0.207	0.207		
<b>Site 46</b>	760	30.69	100.00		0.207	0.207		
<b>Site 47</b>	740	30.69	100.00		0.207	0.207		
<b>Site 48</b>	735	30.69	100.00		0.207	0.207		
<b>Site 49</b>	736	30.69	100.00		0.207	0.207		
<b>Site 50</b>	765	30.69	100.00		0.207	0.207		
<b>Site 51</b>	778	30.69	100.00		0.207	0.207		
<b>Site 52</b>	756	30.69	100.00		0.207	0.207		
<b>Site 53</b>	747	30.69	100.00		0.207	0.207		
<b>Site 54</b>	727	30.69	100.00		0.207	0.207		
<b>Site 55</b>	729	30.69	100.00		0.207	0.207		
<b>Site 56</b>	748	30.69	100.00		0.207	0.207		
<b>Site 57</b>	744	30.69	100.00		0.207	0.207		
<b>Site 58</b>	753	30.69	100.00		0.207	0.207		
<b>Site 59</b>	723	30.69	100.00		0.207	0.207		
<b>Site 60</b>	745	30.69	100.00		0.207	0.207		
<b>Site 61</b>	746	30.69	100.00		0.207	0.207		
<b>Site 62</b>	724	30.69	100.00		0.207	0.207		
<b>Site 63</b>	777	30.69	100.00		0.207	0.207		

<b>Site 64</b>	732	30.69	100.00		0.207	0.207		
<b>Site 65</b>	763	30.69	100.00		0.207	0.207		
<b>Site 66</b>	716	30.69	100.00		0.207	0.207		
<b>Notes:</b>	<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 (M Class A) or pseudo half-hourly supply is provided will, adopt one of the charge structures in the table below.

<b>Table 6 – Tariffs for NHH and Pseudo HH unmetered</b>				
<b>Description</b>	<b>LLFC</b>	<b>Unrestricted or Red unit charge (p/kWh)</b>	<b>Amber unit charge (p/kWh)</b>	<b>Green unit charge (p/kWh)</b>
<b>Non-Half Hourly Unmetered Supplies</b>	800-803	3.804		
<b>Pseudo Half-Hourly Metered Supplies</b>	804	6.164	2.380	0.859
<b>Notes:</b>	<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><b>Time Periods</b></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. SEPD 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.</p>			

## Use of System Charges Out of Area

3.10. SHEPD operates embedded distribution networks in the Scottish Power Distribution Area (GSP Group \_N). Before we set use of system charges for these networks, we require notification of the host DNO's 2010/11 indicative charges. As these will be published by 31 December 2009, we will subsequently review and populate this table with our relevant charges and publish them within 28 days.

Table 7 – Tariffs for Use of System Charges Out of Area								
Description	LLFC	Fixed charge (p/MPAN/day)	Fixed charge (p/site/month)	Capacity charge (p/kVA/day)	Unit charge (p/kWh)	Day Unit charge (p/kWh)	Night Unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
<b>Notes:</b>	<p>Time Periods</p> <p>[Unit charges in the red time band apply – between [xx:xx] and [xx:xx], Mon to Fri including Bank Holidays</p> <p>Unit charges in the amber time band apply – between [xx:xx] and [xx:xx], Mon to Fri including Bank Holidays</p> <p>Unit charges in the green time band apply – between [xx:xx] and [xx:xx], Mon to Fri including Bank Holidays, and [xx:xx] and [xx:xx] Sat and Sun]</p> <p>All times are UK clock-time.</p>							
	<p>The above rates are Indicative for 2010-11, having been effective from 1<sup>st</sup> October 2009. The rates will be updated in SHEPD's Final Charges (2010-11) Statement, when they will adopt the CDCM format.</p> <p>SS = Site Specific charges apply.</p>							

## 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 8a) and HH tariffs (Table 8b).

<b>Table 8a – NHH Preserved/Additional LLFC Classes</b>					
<b>Description</b>	<b>LLFC</b>	<b>Profile class</b>	<b>Fixed charge (p/MPAN/day)</b>	<b>Day or Unrestricted unit charge (p/kWh)</b>	<b>Night unit charge (p/kWh)</b>
<b>Domestic Off Peak (related MPAN)</b>	104, 304, 124, 324	2		1.387	
<b>Small Non Domestic Off Peak (related MPAN)</b>	155, 355, 175, 375	4		1.226	
<b>LV Medium Non-Domestic</b>	502	5-8	44.20	2.583	0.357
<b>HV Medium Non-Domestic</b>	601-602	5-8	593.46	1.245	0.181
<b>Notes:</b>	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.				
	SHEPD uses a default tariff for invalid settlement combinations these will be charged at the Domestic Unrestricted rates.				

**Table 8b – HH Preserved/Additional LLFC Classes**

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)
<p><b>Notes:</b></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>							

#### 4. Generation Tariffs

- 4.1. Suppliers who wish to purchase electricity from distributed generators with NHH metered (M Class B) MPANs or with HH metered (M Class D) MPANs may, adopt this charge structure depending upon the metered voltage.
- 4.2. The tariffs in Table 9a apply to sites metered at HV or LV. The Site specific charges in Table 9b apply to sites metered at EHV.

Table 9a – Generation Tariffs						
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)
<b>Non-Half Hourly Tariffs</b>						
LV Generation NHH	951		(0.906)			
LV Sub Generation NHH	952		(0.813)			
<b>Half Hourly Tariffs</b>						
LV Generation Intermittent	1, 909		(0.906)			0.203
LV Generation Non-Intermittent	2		(2.873)	(1.132)	(0.145)	0.203
LV Sub Generation Intermittent	3		(0.813)			0.179
LV Sub Generation Non-Intermittent	4		(2.582)	(1.012)	(0.131)	0.179
HV Generation Intermittent	5, 910	183.23	(0.426)			0.164
HV Generation Non-Intermittent	6	183.23	(1.383)	(0.509)	0.070	0.164
HV Sub Generation Intermittent	8	183.23	(0.251)			0.051
HV Sub Generation Non Intermittent	7	183.23	(0.838)	(0.280)	(0.043)	0.051
<b>Notes:</b>	<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., and are illustrative only subject to change</p>
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4.3. SHEPD will, until 31<sup>st</sup> March 2011, roll forward the current charging methodology for EHV connected Distributed Generation Sites. Consequently, the charges detailed in Table 9b will be applied to all EHV Generation sites.

<b>Table 9b – Site-Specific tariffs for HH metered EHV</b>								
<b>Description</b>	<b>LLFC</b>	<b>Fixed charge (p/MPAN/day)</b>	<b>Capacity charge (p/kVA/month)</b>	<b>Excess capacity charge (p/kVA/day)</b>	<b>Red unit charge (p/kWh)</b>	<b>Amber unit charge (p/kWh)</b>	<b>Green unit charge (p/kWh)</b>	<b>Excess reactive power charge (p/KVArh)</b>
<b>EHV Generation Export</b>			5.50					
<b>Notes:</b>	Charge applied to all EHV Generation sites.							

## 5. Licensed Distributor Network Operator (LDNO) tariffs

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

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

Table 10 – 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	100, 300, 120, 320, 105, 305, 125, 325, 126	1	3.75	1.990	
Domestic Two-Rate	101, 301, 121, 321, 127	2	3.75	2.374	1.005
Domestic Off-Peak (Related MPAN)	102, 302, 122, 322	2		1.044	
Small Non-Domestic Unrestricted	150, 350, 170, 370, 177, 153, 353, 173, 373, 154, 354, 174, 374, 156, 356, 176, 376	3	5.83	1.694	
Small Non-Domestic Two Rate	151, 351, 171, 371, 178	4	5.83	2.374	0.416
Small Non-Domestic Off Peak (Related MPAN)	152, 352, 172, 372	4		0.923	
LV Medium Non-Domestic	501	5-8	33.26	1.944	0.269
Non-Half Hourly Unmetered	800-803	1&8		2.862	
LV Generation Non-Half Hourly	951	8		(0.906)	
<b>Notes:</b>	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.
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## LDNO LV Connections to DNO Network: Low Voltage Tariffs for HH Metered Customers

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

Table 11 – 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 unit charge (p/kWh)	Amber unit charge (p/kWh)	Green unit charge (p/kWh)	Excess reactive power charge (p/KVArh)
LV Half-Hourly Metered	500, 503	11.60	2.31	2.31	4.154	1.283	0.213	0.284
LV Half-Hourly Unmetered	804				4.638	1.791	0.646	
LV Generation Intermittent	1, 909				(0.906)			0.203
LV Generation Non-Intermittent	2				(2.873)	(1.132)	(0.145)	0.203
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>							

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

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

<b>Table 12 – LDNO HV Connections to DNO Network: Low Voltage Tariffs for Profile Classes 1 to 8</b>					
Description	LLFC	Profile class	Fixed charge (p/MPAN/day)	Day or Unrestricted unit charge (p/kWh)	Night unit charge (p/kWh)
<b>Domestic Unrestricted</b>	100, 300, 120, 320, 105, 305, 125, 325, 126	1	3.43	1.816	
<b>Domestic Two-Rate</b>	101, 301, 121, 321, 127	2	3.43	2.167	0.917
<b>Domestic Off-Peak (Related MPAN)</b>	102, 302, 122, 322	2		0.953	
<b>Small Non-Domestic Unrestricted</b>	150, 350, 170, 370, 177, 153, 353, 173, 373, 154, 354, 174, 374, 156, 356	3	5.32	1.546	
<b>Small Non-Domestic Two Rate</b>	151, 351, 171, 371, 176, 376, 178	4	5.32	2.167	0.380
<b>Small Non-Domestic Off-Peak (Related MPAN)</b>	152, 352, 172, 372	4		0.842	
<b>LV Medium Non-Domestic</b>	501	5-8	30.36	1.774	0.245
<b>Non-Half Hourly Unmetered</b>	800 - 803	1&8		2.613	
<b>LV Generation Non-Half Hourly</b>	951	8		(0.906)	
<b>LVS Generation Non-Half Hourly</b>	952	8		(0.813)	
<b>Notes:</b>	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.				
	SEPD 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**

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

<b>Table 13 – LDNO HV Connections to DNO Network: Low Voltage and High Voltage Tariffs for HH Metered Customers</b>								
<b>Description</b>	<b>LLFC</b>	<b>Fixed charge (p/MPAN/day)</b>	<b>Capacity charge (p/kVA/day)</b>	<b>Excess capacity charge (p/kVA/day)</b>	<b>Red unit charge (p/kWh)</b>	<b>Amber unit charge (p/kWh)</b>	<b>Green unit charge (p/kWh)</b>	<b>Excess reactive power charge (p/KVArh)</b>
<b>LV Half-Hourly Metered</b>	500, 503	10.59	2.11		3.792	1.171	0.194	0.260
<b>LV Half-Hourly Unmetered</b>	804				6.164	2.380	0.859	
<b>LVS Half-Hourly Metered</b>		5.60	5.64		3.502	0.987	0.181	0.264
<b>HV Half-Hourly Metered</b>	600, 603	93.70	5.78		2.037	0.515	0.106	0.125
<b>LV Generation Intermittent</b>	1, 909				(0.906)			0.203
<b>LV Generation Non-Intermittent</b>	2				(2.873)	(1.132)	(0.145)	0.203
<b>LVS Generation Intermittent</b>	3				(0.813)			0.179
<b>LVS Generation Non-Intermittent</b>	4				(2.582)	(1.012)	(0.131)	0.179
<b>HV Generation Intermittent</b>	5, 910				(0.426)			0.164
<b>HV Generation Non-</b>	6				(1.383)	(0.509)	(0.070)	0.164

<b>Intermittent</b>								
<b>Notes:</b>	<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>							

## **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 table 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 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 LLFCs. Our methodology can be downloaded from the Elexon website [www.Elexon.co.uk](http://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.

### **Table of Loss Adjustment Factors**

- 6.6. The following table 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 LLFCs (loss adjustment factors) 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 within the Market data – Static data at [www.Elexon.co.uk](http://www.Elexon.co.uk)

<b>Table 14 – Time periods LLFC classes</b>			
<b>Period 1</b>	<b>Winter Weekday Peak</b>	16.00-19.00	Mon-Fri, Nov - Feb
<b>Period 2</b>	<b>Winter Weekday</b>	07.30-16.00	Mon-Fri, Nov - Feb
		19.00-20.00	Mon-Fri, Nov - Feb
<b>Period 3</b>	<b>Other</b>	Any time outwith Periods 1, 2, 4	
<b>Period 4</b>	<b>Night</b>	00.30-07.30	All Year
<b>Notes</b>	All the above times are in UK Clock time		

<b>Table 15 – Metered voltage, respective periods and associated LLFCs</b>					
<b>Demand / Generation</b>					
<b>Metered Voltage</b>	<b>Period 1</b>	<b>Period 2</b>	<b>Period 3</b>	<b>Period 4</b>	<b>Associated LLFC Classes</b>
<b>Demand</b>					
<b>Low Voltage Network</b>	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
<b>Low Voltage Substation</b>	1.062	1.062	1.060	1.061	504, 505
<b>High Voltage Network</b>	1.042	1.040	1.035	1.032	600-602
<b>High Voltage Substation</b>	1.032	1.031	1.027	1.026	605
<b>Export</b>					
<b>Low Voltage Network</b>	1.107	1.104	1.094	1.091	001, 002, 951, 952, 909

<b>Low Voltage Substation</b>	1.062	1.062	1.060	1.061	003, 004
<b>High Voltage Network</b>	1.042	1.040	1.035	1.032	005, 006, 910, 950
<b>High Voltage Substation</b>	1.032	1.031	1.027	1.026	007, 008

<b>Table 16 – Demand EHV Generic</b>					
<b>Metered Voltage</b>	<b>Period 1</b>	<b>Period 2</b>	<b>Period 3</b>	<b>Period 4</b>	<b>Associated LLFC Classes</b>
<b>33kV connected</b>	1.023	1.022	1.018	1.016	799
<b>33kV connected</b>	1.023	1.022	1.018	1.016	799
<b>132kV connected</b>	N/a	N/a	N/a	N/a	

<b>Table 17 – Generation EHV Generic</b>					
<b>Metered Voltage</b>	<b>Period 1</b>	<b>Period 2</b>	<b>Period 3</b>	<b>Period 4</b>	<b>Associated LLFC Classes</b>
<b>33kV connected</b>	1.023	1.022	1.018	1.016	960
<b>33kV connected</b>	1.023	1.022	1.018	1.016	960
<b>132kV connected</b>	N/a	N/a	N/a	N/a	

<b>Table 18 –EHV Site Specific</b>					
<b>LLFC</b>	<b>Period 1</b>	<b>Period 2</b>	<b>Period 3</b>	<b>Period 4</b>	<b>Associated LLFC Classes</b>
<b>Demand</b>					
<b>Site 1</b>	1.000	1.000	1.000	1.000	713
<b>Site 2</b>	1.002	1.002	1.003	1.003	714
<b>Site 3</b>	1.002	1.002	1.004	1.004	715
<b>Site 4</b>	1.000	1.000	1.000	1.000	716
<b>Site 5</b>	1.028	1.028	1.044	1.032	717
<b>Site 6</b>	1.104	1.128	1.116	1.108	718
<b>Site 7</b>	1.000	1.000	1.000	1.000	
<b>Site 8</b>	1.017	1.024	1.024	1.024	722
<b>Site 9</b>	0.972	0.972	0.972	0.972	(CVA MSID 8696)
<b>Site 10</b>	1.006	1.006	1.007	1.005	723
<b>Site 11</b>	1.022	1.023	1.025	1.021	724
<b>Site 12</b>	1.000	1.000	1.000	1.000	725
<b>Site 13</b>	1.008	1.008	1.008	1.006	726
<b>Site 14</b>	0.990	0.990	0.991	0.991	(CVA MSID 8699)
<b>Site 15</b>	0.990	0.990	0.991	0.991	(CVA MSID 8699)
<b>Site 16</b>	1.009	1.011	1.011	1.011	727
<b>Site 17</b>	1.283	1.304	1.297	1.275	728
<b>Site 18</b>	1.313	1.335	1.328	1.303	729
<b>Site 19</b>	1.000	1.000	1.000	1.000	730
<b>Site 20</b>	1.000	1.000	1.000	1.000	731
<b>Site 21</b>	1.060	1.096	1.060	1.060	732
<b>Site 22</b>	1.000	1.000	1.000	1.000	
<b>Site 23</b>	0.973	0.974	0.973	0.974	(CVA MSID 8688)
<b>Site 24</b>	1.000	1.000	1.000	1.000	735
<b>Site 25</b>	1.000	1.000	1.000	1.000	736
<b>Site 26</b>	1.095	1.095	1.095	1.095	737
<b>Site 27</b>	1.148	1.176	1.124	1.096	738
<b>Site 28</b>	1.148	1.176	1.124	1.096	739
<b>Site 29</b>	1.001	1.001	1.001	1.001	740
<b>Site 30</b>	1.025	1.031	1.030	1.037	741
<b>Site 31</b>	1.004	1.005	1.006	1.005	742
<b>Site 32</b>	1.000	1.000	1.000	1.000	743
<b>Site 33</b>	1.028	1.028	1.028	1.028	744
<b>Site 34</b>	1.022	1.023	1.023	1.021	745

<b>Site 35</b>	1.018	1.019	1.019	1.017	746
<b>Site 36</b>	1.030	1.028	1.030	1.023	748
<b>Site 37</b>	1.204	1.218	1.213	1.197	749
<b>Site 38</b>	1.007	1.007	1.007	1.007	753
<b>Site 39</b>	1.041	1.041	1.040	1.034	754
<b>Site 40</b>	1.107	1.107	1.107	1.107	755
<b>Site 41</b>	1.042	1.042	1.042	1.035	756
<b>Site 42</b>	1.010	1.010	1.013	1.119	758
<b>Site 43</b>	1.003	1.003	1.003	1.002	759
<b>Site 44</b>	1.088	1.095	1.157	1.158	761
<b>Site 45</b>	0.987	0.986	0.987	0.981	(CVA MSID 8694)
<b>Site 46</b>	1.000	1.000	1.000	1.000	762
<b>Site 47</b>	1.108	1.108	1.108	1.108	763
<b>Site 48</b>	1.000	1.000	1.000	1.000	766
<b>Site 49</b>	1.005	1.006	1.008	1.006	767
<b>Site 50</b>	1.003	1.003	1.003	1.003	768
<b>Site 51</b>	1.001	1.002	1.002	1.002	769
<b>Site 52</b>	1.000	1.001	1.001	1.001	(CVA MSID 8687)
<b>Site 53</b>	1.002	1.002	1.002	1.002	772
<b>Site 54</b>	1.000	1.000	1.000	1.000	773
<b>Site 55</b>	1.000	1.000	1.000	1.000	774
<b>Site 56</b>	1.000	1.000	1.000	1.000	775
<b>Site 57</b>	1.040	1.040	1.039	1.034	777
<b>Site 58</b>	1.284	1.304	1.298	1.275	778
<b>Site 59</b>	1.001	1.002	1.002	1.002	779
<b>Site 60</b>	1.080	1.080	1.071	1.069	780
<b>Site 61</b>	1.080	1.080	1.071	1.069	781
<b>Site 62</b>	1.080	1.080	1.071	1.069	782
<b>Site 63</b>	1.014	1.013	1.014	1.011	783
<b>Site 64</b>	1.014	1.013	1.014	1.011	784
<b>Site 65</b>	1.080	1.080	1.080	1.060	785
<b>Site 66</b>	1.028	1.029	1.029	1.026	786
<b>Site 67</b>	0.989	0.993	0.992	0.993	(CVA MSID 8689)

<b>Table 18 –EHV Site Specific</b>					
<b>LLFC</b>	<b>Period 1</b>	<b>Period 2</b>	<b>Period 3</b>	<b>Period 4</b>	<b>Associated LLFC Classes</b>
<b>Generation</b>					
<b>Site 1</b>	0.999	0.999	0.999	0.999	913
<b>Site 2</b>	1.000	1.000	1.000	1.000	914
<b>Site 3</b>	1.000	1.000	1.000	1.000	915
<b>Site 4</b>	1.000	1.000	1.000	1.000	916
<b>Site 5</b>	0.974	0.982	0.977	0.990	917
<b>Site 6</b>	1.100	1.080	1.128	1.096	918
<b>Site 7</b>	0.997	0.997	0.997	0.997	
<b>Site 8</b>	1.011	1.018	1.018	1.018	922
<b>Site 9</b>	0.972	0.972	0.972	0.972	(CVA MSID 8696)
<b>Site 10</b>	0.996	0.997	0.996	0.996	923
<b>Site 11</b>	1.021	1.023	1.016	1.013	924
<b>Site 12</b>	0.996	0.996	0.996	0.996	925
<b>Site 13</b>	0.996	0.995	0.996	0.994	926
<b>Site 14</b>	0.990	0.990	0.991	0.991	(CVA MSID 8699)
<b>Site 15</b>	0.990	0.990	0.991	0.991	(CVA MSID 8699)
<b>Site 16</b>	0.985	0.987	0.987	0.987	927
<b>Site 17</b>	1.241	1.258	1.253	1.234	928
<b>Site 18</b>	1.153	1.164	1.161	1.148	929
<b>Site 19</b>	0.998	0.998	0.972	0.996	930
<b>Site 20</b>	0.998	0.998	0.972	0.996	931
<b>Site 21</b>	1.052	1.060	1.052	1.052	932
<b>Site 22</b>	1.000	1.000	1.000	1.000	
<b>Site 23</b>	0.973	0.974	0.973	0.974	(CVA MSID 8688)
<b>Site 24</b>	1.000	1.000	1.000	1.000	935
<b>Site 25</b>	1.000	1.000	1.000	1.000	936
<b>Site 26</b>	1.066	1.066	1.066	1.060	937
<b>Site 27</b>	1.119	1.091	1.093	1.123	938
<b>Site 28</b>	1.119	1.091	1.093	1.123	939
<b>Site 29</b>	0.965	0.965	0.963	0.966	940
<b>Site 30</b>	1.004	1.010	1.008	1.015	941
<b>Site 31</b>	0.999	1.000	1.001	1.000	942
<b>Site 32</b>	0.990	0.989	0.989	0.989	943
<b>Site 33</b>	1.026	1.026	1.026	1.026	944

<b>Site 34</b>	1.021	1.022	0.992	0.994	945
<b>Site 35</b>	1.017	1.018	0.995	0.993	946
<b>Site 36</b>	1.029	1.027	1.029	1.022	948
<b>Site 37</b>	1.117	1.125	1.120	1.109	949
<b>Site 38</b>	0.995	0.995	0.995	0.994	953
<b>Site 39</b>	0.998	0.998	0.998	0.977	954
<b>Site 40</b>	1.092	1.092	1.081	1.081	955
<b>Site 41</b>	1.015	1.015	0.993	0.988	956
<b>Site 42</b>	0.999	0.999	1.002	1.001	958
<b>Site 43</b>	0.988	0.988	0.988	0.988	959
<b>Site 44</b>	1.082	1.089	1.148	1.149	961
<b>Site 45</b>	0.987	0.986	0.987	0.981	(CVA MSID 8694)
<b>Site 46</b>	0.996	0.996	0.996	0.996	962
<b>Site 47</b>	1.103	1.103	1.103	1.103	963
<b>Site 48</b>	1.000	1.000	1.000	1.000	966
<b>Site 49</b>	0.988	0.989	0.990	0.990	967
<b>Site 50</b>	0.988	0.988	0.988	0.987	968
<b>Site 51</b>	0.994	0.994	0.994	0.994	969
<b>Site 52</b>	1.000	1.001	1.001	1.001	(CVA MSID 8687)
<b>Site 53</b>	0.991	0.991	0.988	0.988	972
<b>Site 54</b>	0.990	0.990	0.990	0.990	973
<b>Site 55</b>	0.991	0.991	0.991	0.991	974
<b>Site 56</b>	0.990	0.990	0.990	0.990	975
<b>Site 57</b>	1.012	1.012	1.011	1.005	977
<b>Site 58</b>	0.986	0.991	0.981	0.973	978
<b>Site 59</b>	0.987	0.987	0.986	0.987	979
<b>Site 60</b>	1.047	1.050	1.040	1.038	980
<b>Site 61</b>	1.047	1.050	1.040	1.038	981
<b>Site 62</b>	1.047	1.050	1.040	1.038	982
<b>Site 63</b>	0.986	0.986	0.986	0.991	983
<b>Site 64</b>	0.986	0.986	0.986	0.991	984
<b>Site 65</b>	0.961	0.959	0.962	0.951	985
<b>Site 66</b>	1.000	1.001	0.999	0.997	986
<b>Site 67</b>	0.989	0.993	0.992	0.993	(CVA MSID 8689)

## **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. Glossary of Terms

8.1. The following definitions are included to aid understanding:

Term	Definition
<b>Customer</b>	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
<b>Distribution Licence</b>	The Electricity Distribution Licence granted or treated as granted pursuant to section 6(1) of the Act.
<b>Distribution Services Area</b>	Has, in respect of each company, the meaning given to that term in paragraph 5(b) of Condition 2 of the Distribution Licence.
<b>Distribution Connection and Use of System Agreement (DCUSA)</b>	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.
<b>Extra High Voltage</b>	Voltages of 22kV and above
<b>Entry Point</b>	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).
<b>Exit Point</b>	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)
<b>High Voltage</b>	Nominal voltages of at least 1kV and less than 22kV
<b>High Voltage sub-station</b>	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.
<b>Low Voltage</b>	Nominal voltages below 1kV
<b>Low Voltage sub-station</b>	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.
<b>Licensed</b>	Licensed distribution network operator. This refers to an independent

<b>Distributor Network Operator (LDNOs)</b>	distribution network operator (IDNO) or to a distribution network operator (DNO) operating embedded distribution network outside its distribution service area.
<b>Market Domain Data</b>	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.
<b>Measurement Class</b>	The measurement class of a Metering System e.g. above 100kW, below 100kW, unmetered.
<b>Metering System</b>	Particular commissioned Metering Equipment installed for the purposes of measuring the quantities of Exports and Imports at the Boundary Point.
<b>Ofgem</b>	Office of gas and electricity markets - Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.
<b>Use of System Charges</b>	Charges for demand and generation customers which are connected to and utilising the distribution network.
<b>User</b>	Is a supplier, generator or distribution network operator