The Statement of Use of System Charges

Effective From 1 April 2010

Based Upon: The Statement of the Use of System Charging Methodology
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Introduction

This statement is published in accordance with the Transmission Licence of National Grid Electricity Transmission plc (National Grid).

This document sets out the annual tariffs for Transmission Network Use of System charges and fees charged by National Grid in relation to applications for connection, use of system and engineering works.

Further information on the methods by which and principles upon which National Grid derives Use of System charges is set out in the Statement of the Use of System Charging Methodology. Information on Connection charges and the methodologies that underpin them is set out in the Statement of the Connection Charging Methodology. Both these documents are available on our Charging website at:

http://www.nationalgrid.com/uk/Electricity/Charges/chargingstatementsapproval/

If you require further detail on any of the information contained within this document or have comments on how this document might be improved please contact our Charging Team, preferably by email at:

Charging.enquiries@uk.ngrid.com

or at:

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Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

Telephone  01926 654633
### Schedule 1

**Schedule of Transmission Network Use of System Wider Zonal Generation Charges (£/kW) in 2010/11**

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### Schedule of Transmission Network Use of System STTEC and LDTEC Charges in 2010/11

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<tr>
<td>Peterborough</td>
<td>0.188692</td>
<td>0.013799</td>
</tr>
<tr>
<td>Peterhead</td>
<td>1.004139</td>
<td>0.073432</td>
</tr>
<tr>
<td>Quoich</td>
<td>1.203493</td>
<td>0.088011</td>
</tr>
<tr>
<td>Ratcliffe-on-Soar</td>
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<td>0.007295</td>
</tr>
<tr>
<td>Rockssavage</td>
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<td>0.014094</td>
</tr>
<tr>
<td>Roosoeote</td>
<td>0.284349</td>
<td>0.020794</td>
</tr>
<tr>
<td>Rugeley B</td>
<td>0.090265</td>
<td>0.006601</td>
</tr>
<tr>
<td>Rye House</td>
<td>0.050459</td>
<td>0.003690</td>
</tr>
<tr>
<td>Saltend</td>
<td>0.307441</td>
<td>0.022483</td>
</tr>
<tr>
<td>Seabank</td>
<td>0.028704</td>
<td>0.002099</td>
</tr>
<tr>
<td>Sellafield</td>
<td>0.284349</td>
<td>0.020794</td>
</tr>
<tr>
<td>Severn Power</td>
<td>0.030657</td>
<td>0.002242</td>
</tr>
<tr>
<td>Sheringham Shoal Offshore Windfarm</td>
<td>0.082127</td>
<td>0.006006</td>
</tr>
<tr>
<td>Shoreham</td>
<td>0.000000</td>
<td>0.000000</td>
</tr>
<tr>
<td>Shotton</td>
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<td>0.013799</td>
</tr>
<tr>
<td>Sizewell B</td>
<td>0.090265</td>
<td>0.006601</td>
</tr>
<tr>
<td>Sloy G2 &amp; G3</td>
<td>0.707310</td>
<td>0.051725</td>
</tr>
<tr>
<td>South Humber Bank</td>
<td>0.323886</td>
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</tr>
<tr>
<td>Spalding</td>
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<td>0.015251</td>
</tr>
<tr>
<td>Staythorpe</td>
<td>0.206324</td>
<td>0.015088</td>
</tr>
<tr>
<td>Sutton Bridge</td>
<td>0.196630</td>
<td>0.014394</td>
</tr>
<tr>
<td>Taylors Lane</td>
<td>0.000000</td>
<td>0.000000</td>
</tr>
<tr>
<td>Teesside</td>
<td>0.487852</td>
<td>0.035676</td>
</tr>
<tr>
<td>Thanet Offshore Windfarm</td>
<td>0.042322</td>
<td>0.003095</td>
</tr>
<tr>
<td>Tilbury B</td>
<td>0.052412</td>
<td>0.003833</td>
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<tr>
<td>Toddleburn</td>
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<td>0.050180</td>
</tr>
<tr>
<td>Torness</td>
<td>0.663647</td>
<td>0.048532</td>
</tr>
<tr>
<td>Uskmouth</td>
<td>0.036353</td>
<td>0.002658</td>
</tr>
<tr>
<td>Walney I Offshore Windfarm</td>
<td>0.284349</td>
<td>0.020794</td>
</tr>
<tr>
<td>West Burton</td>
<td>0.206324</td>
<td>0.015088</td>
</tr>
<tr>
<td>West Burton B Power Station</td>
<td>0.206324</td>
<td>0.015088</td>
</tr>
<tr>
<td>Whitelee</td>
<td>0.734749</td>
<td>0.053732</td>
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<tr>
<td>Wilton</td>
<td>0.487852</td>
<td>0.035676</td>
</tr>
<tr>
<td>Wylfa</td>
<td>0.323173</td>
<td>0.024289</td>
</tr>
</tbody>
</table>
In accordance with licence Condition C13, small generators connected to the 132kV transmission system in Scotland are eligible for a reduction in the listed Generation TNUoS tariffs. This discount has been calculated in accordance with direction from the Authority and equates to 25% of the combined generation and demand residual components of the TNUoS tariffs. For 2010/11, this figure has been calculated as £5.509456kW.
## Schedule of Transmission Network Use of System Demand Charges (£/kW) and Energy Consumption Charges (p/kWh) for 2010/11

<table>
<thead>
<tr>
<th>Demand Zone</th>
<th>Zone Area</th>
<th>Demand Tariff (£/kW)</th>
<th>Energy Consumption Tariff (p/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Northern Scotland</td>
<td>5.865932</td>
<td>0.790954</td>
</tr>
<tr>
<td>2</td>
<td>Southern Scotland</td>
<td>11.218687</td>
<td>1.547861</td>
</tr>
<tr>
<td>3</td>
<td>Northern</td>
<td>14.523126</td>
<td>1.993796</td>
</tr>
<tr>
<td>4</td>
<td>North West</td>
<td>18.426326</td>
<td>2.552189</td>
</tr>
<tr>
<td>5</td>
<td>Yorkshire</td>
<td>18.344745</td>
<td>2.520788</td>
</tr>
<tr>
<td>6</td>
<td>N Wales &amp; Mersey</td>
<td>18.891869</td>
<td>2.625780</td>
</tr>
<tr>
<td>7</td>
<td>East Midlands</td>
<td>20.934125</td>
<td>2.886193</td>
</tr>
<tr>
<td>8</td>
<td>Midlands</td>
<td>22.692635</td>
<td>3.184194</td>
</tr>
<tr>
<td>9</td>
<td>Eastern</td>
<td>21.835099</td>
<td>3.026211</td>
</tr>
<tr>
<td>10</td>
<td>South Wales</td>
<td>22.524989</td>
<td>3.028765</td>
</tr>
<tr>
<td>11</td>
<td>South East</td>
<td>24.633810</td>
<td>3.377343</td>
</tr>
<tr>
<td>12</td>
<td>London</td>
<td>26.756942</td>
<td>3.602492</td>
</tr>
<tr>
<td>13</td>
<td>Southern</td>
<td>25.494450</td>
<td>3.537180</td>
</tr>
<tr>
<td>14</td>
<td>South Western</td>
<td>26.057832</td>
<td>3.553243</td>
</tr>
</tbody>
</table>

A demand User’s zone will be determined by the GSP Group to which the User is deemed to be connected.

In the case of parties liable for both generation and demand charges, the demand tariff zone applicable in respect of that party’s demand will be that in which the Transmission Licensee’s substation to which the party is connected is geographically located. For example, if a power station were connected at a Transmission Licensee’s substation that is geographically located within demand zone 1, it would pay the zone 1 demand tariff.

Similarly, in the case of parties that are liable for National Grid’s generation charges, the generation charges are levied by reference to the Transmission Licensee’s substation to which the party is connected or deemed connected. Transmission Licensee’s substations are assigned to a generation zone as shown on the zonal maps.

If a party is unclear from looking at the geographical map which zone the relevant National Grid substation is assigned to, then those parties should refer to the electrical version of the map of Generation Use of System Tariff Zones as at 1 April 2010 for clarification.
The energy consumption tariff is based on the annual energy consumption during the period 16:00 hrs to 19:00 hrs (i.e. settlement periods 33 to 38 inclusive) over the relevant financial year.

**Small Generators Discount**

In accordance with Standard Licence Condition C13 governing the adjustments to use of system charges for the small generators discount, a unit amount of £0.123803/kW to the demand tariff and 0.017050 p/kWh to the energy consumption tariff is added on a non-discriminatory and non-locational basis.

Standard Licence Condition C13 requires the small generators discount mechanism to be revenue neutral over the period of its operation so that the net effect on revenue of the licence condition is zero. It will therefore be necessary to manage any under or over recovery associated with the small generators discount separately from the under/over recovery mechanism within National Grid’s main revenue restriction. National Grid calculates the unit amount added to the demand tariffs using a forecast of the total discount payable to eligible generators, and a forecast of the demand charging base. If either of these factors outturns differently from the original forecast then an under/over recovery would occur. The amount of any under/over recovery would be added to the revenue recovery used to derive the unit amount in subsequent years.
Zonal Maps

Generation Use of System Tariff Zones as at 1 April 2008 (Geographical)
Demand Use of System Tariff Zones as at 1 April 2008 (Geographical)
Schedule 2

Application Fees for Connection and Use of System Agreements

Application fees are payable in respect of applications for new connection agreements, certain use of system agreements and for modifications to existing agreements based on reasonable costs incurred by NGC including where appropriate, charges from the Transmission Owners (TO's) in accordance with their charging statements. The application process and options available are set out in the Statement of the Use of System Charging Methodology and the Statement of the Connection Charging Methodology.

The application fee is dependent upon size, type and location of the applicant's scheme as shown on the map and tables opposite. Users can opt for a variable price application and pay an advance of the Engineering Charges based on the fixed prices shown, which will be reconciled once the actual costs have been calculated using the charge out rates contained in Schedule 3. Alternatively, onshore Users can opt to pay a fixed price application fee in respect of New and Modified Bilateral Agreements. In some circumstances, where a given application is expected to involve significant costs over and above those normally expected (e.g. substantial system studies, special surveys, investigations, or where a Transmission Owner varies the application fee charged to National Grid from the standard fee published in their charging statements) to process an offer of terms, National Grid reserves the right to remove the option for a fixed price application fee.

The map divides GB into three zones based on the Boundary of Influence map defined in Schedule 4 of the STC (SO-TO Code). Zone A maps onto the area NGC South, Zone B maps to NGC North and SPT South, and Zone C maps to SPT North, SHETL South and SHETL North.

The application fees indicated will be reviewed on an annual basis and reflect any changes to the Boundaries of Influence. It should be noted that the zone to which a particular user is applying is determined by the location of the connection to the GB transmission system and not by the geographical location of the User’s plant and equipment.

All application fees are subject to VAT and are capped at £400,000 + VAT
Entry Application Fees for New Bilateral Agreements

1. New Onshore Application Fee = Base + (MW * Rate)
2. TEC Increase = Base + (TEC Increase * Rate)
3. New Offshore Application Fee = Number of offshore Connection Sites * Fee

<table>
<thead>
<tr>
<th>Zone</th>
<th>Base</th>
<th>Rate £/MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone A</td>
<td>100</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td>100-1320</td>
<td>40,000</td>
</tr>
<tr>
<td></td>
<td>&gt;1320</td>
<td>80,000</td>
</tr>
<tr>
<td>Zone B</td>
<td>140,000</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td>100-1320</td>
<td>40,000</td>
</tr>
<tr>
<td></td>
<td>&gt;1320</td>
<td>120,000</td>
</tr>
<tr>
<td>Zone C</td>
<td>190,000</td>
<td>35,000</td>
</tr>
<tr>
<td></td>
<td>100-1320</td>
<td>55,000</td>
</tr>
<tr>
<td></td>
<td>&gt;1320</td>
<td>160,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Entry Fees</th>
<th>Fraction of New Application Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modification Application</td>
<td>0.75</td>
</tr>
<tr>
<td>Request for Design Variation in addition to standard offer</td>
<td>1.5</td>
</tr>
<tr>
<td>Embedded Generation New Application</td>
<td>0.3</td>
</tr>
<tr>
<td>Embedded Generation Modification Application</td>
<td>0.2</td>
</tr>
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</table>

Entry Fees (cont.)

<table>
<thead>
<tr>
<th>Zone A</th>
<th>Zone B</th>
<th>Zone C</th>
</tr>
</thead>
</table>

17
<table>
<thead>
<tr>
<th>Limited Duration TEC (LDTEC)</th>
<th>Duration of LDTEC (t)</th>
<th>Zone</th>
<th>£ (£’000)</th>
<th>Agreement Type (as Table C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic request fee for duration t</td>
<td>t &lt;= 3 months</td>
<td>10 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(applicable to all requests for LDTEC Offers)</td>
<td>3 months &lt; t &lt;= 6 months</td>
<td>15 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 months &lt; t &lt;= 9 months</td>
<td>20 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>t &gt; 9 months</td>
<td>30 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Additional fee for rolling assessment</td>
<td>t &lt;= 3 months</td>
<td>1 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(applicable to a request for an LDTEC Indicative Block Offer)</td>
<td>3 months &lt; t &lt;= 6 months</td>
<td>1.5 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 months &lt; t &lt;= 9 months</td>
<td>2 + VAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>t &gt; 9 months</td>
<td>3 + VAT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Additional fee for combined applications | t <= 3 months | 5 + VAT |
| (applicable to a combined request for an LDTEC Block Offer and an LDTEC Indicative Block Offer) | 3 months < t <= 6 months | 7.5 + VAT |
|                                             | 6 months < t <= 9 months | 10 + VAT |
|                                             | t > 9 months | 15 + VAT |
**Temporary TEC Exchange Rate Request Fees**

<table>
<thead>
<tr>
<th>Duration of Temporary Exchange period (t)</th>
<th>£</th>
</tr>
</thead>
<tbody>
<tr>
<td>t &lt;= 3 months</td>
<td>15,000</td>
</tr>
<tr>
<td>3 months &lt; t &lt;= 6 months</td>
<td>25,000</td>
</tr>
<tr>
<td>6 months &lt; t &lt;= 9 months</td>
<td>30,000</td>
</tr>
<tr>
<td>t &gt; 9 months</td>
<td>45,000</td>
</tr>
</tbody>
</table>

Application fee for Temporary TEC Exchange Rate Requests

**Exit Application Fees for New Bilateral Agreements and Modifications to existing Bilateral Agreements**

<table>
<thead>
<tr>
<th>Exit Fees</th>
<th>Zone A</th>
<th>Zone B</th>
<th>Zone C</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Supply Point</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>£50,000</td>
<td>£28,000</td>
<td>£55,000</td>
<td>£39,000</td>
</tr>
<tr>
<td>Modification Application</td>
<td>£38,000</td>
<td>£21,000</td>
<td>£41,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exit Fees (cont.)</th>
<th>Zone A</th>
<th>Zone B</th>
<th>Zone C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statement of Works at existing supply point</td>
<td>£5,000</td>
<td>£6,000</td>
<td>£8,000</td>
</tr>
<tr>
<td>Modification Application after Request for Statement of Works</td>
<td>£13,000</td>
<td>£15,000</td>
<td>£17,000</td>
</tr>
</tbody>
</table>

**Examples**

1. **Entry Application Fee for a New Bilateral Agreement onshore**
   300MW Generator wishing to connect to the transmission system in Zone A
   Application Fee = £25,000 + (300 * 55) = £41,500

2. **Entry Application Fee for a New Bilateral Agreement offshore**
   2000MW Generator wishing to connect to the transmission system in Zone B.
   Two Connection Sites
   Application Fee = 2 * £140,000 = £280,000

3. **Entry Application Fee for a Modification to an existing Bilateral Agreement**
   300MW Generator in Zone A seeking to alter commissioning date
   This would be a Modification Application
   Fee = 0.75 * (£25,000 + (300 * 55)) = £31,125

4. **Entry Application Fee for an embedded generator (BEGA/ BELLA)**
   300MW embedded generator requesting a BEGA in Zone A
   Fee = 0.3 * (£25,000 + (300 * 55)) = £12,450

5. **Entry Application Fee for a TEC Increase**
   400MW generator in Zone A wishes to increase TEC by 20MW to 420MW
   Application Fee = £15,000 + (20 * 100) = £17,000
# Bilateral Agreement Types

<table>
<thead>
<tr>
<th>Bilateral Agreement Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bilateral Connection Agreement</td>
<td>In respect of Connection Sites of Users.</td>
</tr>
<tr>
<td>Bilateral Embedded Licence Exemptable Large Power Station Agreement (BELLA)</td>
<td>For generators that own or are responsible for embedded exemptable large power stations (another party may be responsible for the output under the CUSC and BSC).</td>
</tr>
<tr>
<td>Bilateral Embedded Generation Agreement (BEGA)</td>
<td>For generators and BSC parties with embedded power stations, excluding those which are exempt (unless they otherwise choose to be), who are responsible for the output onto a Distribution System.</td>
</tr>
<tr>
<td>Construction Agreement</td>
<td>In respect of parties that are applying for new or modified agreements up until the time of commissioning.</td>
</tr>
</tbody>
</table>

# Generator Types

The definitions provided below have been extracted from the Grid Code and are provided for ease of reference within this document.

<table>
<thead>
<tr>
<th>Type of Plant</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embedded</td>
<td>Having a direct connection to a User System or the System of any other User to which Customers and/or Power Stations are connected, such connection being either a direct connection or a connection via a busbar of another User or of a Transmission Licensee (but with no other connection to the GB Transmission System).</td>
</tr>
<tr>
<td>Small Power Station</td>
<td>A Power Station in NGC’s Transmission Area with a Registered Capacity of less than 50MW, a Power Station in SPT’s Transmission Area with a Registered Capacity of less than 30MW or a Power Station in SHETL’s Transmission Area with a Registered Capacity of less than 10 MW.</td>
</tr>
<tr>
<td>Medium Power Station</td>
<td>A Power Station in NGC’s Transmission Area with a Registered Capacity of 50MW or more, but less than 100MW.</td>
</tr>
<tr>
<td>Large Power Station</td>
<td>A Power Station in NGC’s Transmission Area with a Registered Capacity of 100MW or more or a Power Station in SPT’s Transmission Area with a Registered Capacity of 30 MW or more; or a Power Station in SHETL’s Transmission Area with a Registered Capacity of 10 MW or more.</td>
</tr>
</tbody>
</table>
Schedule 3

Charge-Out Rates for Engineering Charges for Variable Price Applications

Appropriately qualified staff will be appointed to process applications and feasibility studies and carry out work in relation to the development of the GB Transmission System. Travel, subsistence and computing costs will also be charged on an actual basis. It should be noted that these rates only apply to work carried out by the Transmission Licensee’s in relation to licensed transmission activities. Different rates may apply when asked to quote for other work.

<table>
<thead>
<tr>
<th>Position</th>
<th>£/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Manager Internal Solicitor</td>
<td></td>
</tr>
<tr>
<td>Principal Power System Engineer</td>
<td></td>
</tr>
<tr>
<td>Senior Power System Engineer</td>
<td></td>
</tr>
<tr>
<td>Project Manager</td>
<td></td>
</tr>
<tr>
<td>Account Manager</td>
<td></td>
</tr>
<tr>
<td>Senior Wayleave Officer</td>
<td></td>
</tr>
<tr>
<td>Power System Design Engineer</td>
<td></td>
</tr>
<tr>
<td>Draughtsman</td>
<td></td>
</tr>
<tr>
<td>Graduate Engineer</td>
<td></td>
</tr>
<tr>
<td>Administrative Support</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NGC</th>
<th>SPT</th>
<th>SHETL</th>
</tr>
</thead>
<tbody>
<tr>
<td>940</td>
<td>790</td>
<td>835</td>
</tr>
<tr>
<td>745</td>
<td>660</td>
<td>700</td>
</tr>
<tr>
<td>605</td>
<td>550</td>
<td>585</td>
</tr>
<tr>
<td>480</td>
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</tr>
<tr>
<td>325</td>
<td>290</td>
<td>310</td>
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Index to the Statement of Use of System Charges (Issue 6) Revisions

<table>
<thead>
<tr>
<th>Issue 6</th>
<th>Modifications</th>
<th>Changes to Pages</th>
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