

**National Grid Electricity Distribution**

**(West Midlands) plc**

**Use of System Charging Statement**

**NOTICE OF CHARGES**

**Effective from 1st April 2023**

**Version 0.2**

## Version Control

Version	Date	Description of version and any changes made
0.1	December 2021	Published Finals
0.2	January 2023	Updated for SoLR and rebranding

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## 1. Introduction

- 1.1. This statement tells you about our charges and the reasons behind them. It has been prepared consistent with Standard Licence Condition 14 of our Electricity Distribution Licence. The main purpose of this statement is to provide our schedule of charges<sup>1</sup> for the use of our Distribution System and to provide the schedule of Line Loss Factors<sup>2</sup> that should be applied in Settlement to account for losses from the Distribution System. We have also included guidance notes in Appendix 2 to help improve your understanding of the charges we apply.
- 1.2. Within this statement we use terms such as 'Users' and 'Customers' as well as other terms which are identified with initial capitalisation. These terms are defined in the glossary.
- 1.3. The charges in this statement are calculated using the following methodologies as per the Distribution Connection and Use of System Agreement (DCUSA)<sup>3</sup>:
- Common Distribution Charging Methodology (CDCM); for Low Voltage (LV) and High Voltage (HV) Designated Properties as per DCUSA Schedule 16;
  - Extra High Voltage (EHV) Distribution Charging Methodology (EDCM); for Designated EHV Properties as per DCUSA Schedule 17
  - Price Control Disaggregation Model (PCDM); for Discount Percentages used to calculate the LDNO Use of System charges in the CDCM and EDCM as per DCUSA Schedule 29.
- 1.4. Separate charges are calculated depending on the characteristics of the connection and whether the use of the Distribution System is for demand or generation purposes. Where a generation connection is seen to support the Distribution System the charges will be negative and the Supplier will receive credits for exported energy.
- 1.5. The application of charges to premises can usually be referenced using the Line Loss Factor Class (LLFC) contained in the charge tables. Further information on how to identify and calculate the charge that will apply for your premises is provided in the guidance notes in Appendix 2.
- 1.6. All charges in this statement are shown **exclusive** of VAT. Invoices will include VAT at the applicable rate.

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<sup>1</sup> Charges can be positive or negative.

<sup>2</sup> Known as adjustment factors in the Distribution Licence and commonly referred to as Loss Adjustment Factors. The schedule of Line Loss Factors will be provided in a revised statement shortly after the Line Loss Factors for the relevant year have been successfully audited by Elexon.

<sup>3</sup> The Distribution and Connection Use of System Agreement (DCUSA) available from <http://www.dcusa.co.uk/SitePages/Documents/DCUSA-Documents.aspx>

- 1.7. The annexes that form part of this statement are also available in spreadsheet format. This spreadsheet contains supplementary information used for charging purposes and a simple model to assist you to calculate charges. This spreadsheet can be downloaded from [www.nationalgrid.co.uk](http://www.nationalgrid.co.uk)

### **Validity period**

- 1.8. This charging statement is valid for services provided from the effective date stated on the front of the statement and remains valid until updated by a revised version or superseded by a statement with a later effective date.
- 1.9. When using this charging statement, care should be taken to ensure that the relevant statement or statements covering the period that is of interest are used.
- 1.10. Notice of any revision to the statement will be provided to Users of our Distribution System (with the exception of updates to Annex 6; New or Amended EHV Sites which will be published as an addendum). The latest statements can be downloaded from [www.nationalgrid.co.uk](http://www.nationalgrid.co.uk)

### **Contact details**

- 1.11. If you have any questions about this statement please contact us at this address:

Income Team  
National Grid Electricity Distribution  
Avonbank  
Feeder Rd  
Bristol  
BS2 0TB  
email: [nged.pricing@nationalgrid.co.uk](mailto:nged.pricing@nationalgrid.co.uk)

- 1.12. All enquiries regarding connection agreements and changes to maximum capacities should be addressed to:

Connection Policy Engineer  
National Grid Electricity Distribution  
Herald Way  
East Midlands Airport  
Castle Donington  
DERBY  
DE74 2TU  
email: [nged.connections@nationalgrid.co.uk](mailto:nged.connections@nationalgrid.co.uk)

- 1.13. For enquiries regarding certification of Non-Final Demand sites, please contact:

Income Team – see 1.11

- 1.14. For all other queries please contact our general enquiries telephone number: 0800 096 3080; lines are open 08:00 – 18:00 Monday to Friday.

- 1.15. You can also find us on Facebook  and Twitter .

## **2. Charge application and definitions**

- 2.1. The following section details how the charges in this statement are applied and billed to Users of our Distribution System.

### **The supercustomer and site-specific billing approaches**

- 2.2. We utilise two billing approaches depending on the type of metering data received:
- (a) The 'Supercustomer' approach for Customers for whom we receive aggregated consumption data through Settlement; and
  - (b) The 'Site-specific' approach for Customers for whom we receive site-specific consumption data through Settlement.
- 2.3. We receive aggregated consumption data through Settlement for:
- (a) Domestic and non-domestic Customers for whom Non-Half Hourly (NHH) metering data is used in Settlement (i.e. Customers with MPANs which are registered to Measurement Class A);
  - (b) Customers which are unmetered and are not settled as pseudo Half Hourly (HH) metered (i.e. Customers with MPANs which are registered to Measurement Class B);
  - (c) Domestic Customers for whom HH metering data is used in Settlement (i.e. Customers with MPANs which are registered to Measurement Class F); and
  - (d) Non-domestic Customers for whom HH metering data is used in Settlement and which have whole current (WC) metering (i.e. Customers with MPANs which are registered to Measurement Class G).
- 2.4. We receive site specific consumption data through Settlement for:
- (a) Customers for whom HH metering data is used in Settlement and which have current transformer (CT) metering (i.e. Customers with MPANs which are registered to measurement class C or E); and
  - (b) Customers which are unmetered and settled as pseudo HH metered (i.e. Customers with MPANs which are registered to measurement class D).

### **Supercustomer billing and payment**

- 2.5. The Supercustomer approach makes use of aggregated data obtained from Suppliers using the 'Aggregated Distribution Use of System (DUoS) Report' data flow.
- 2.6. Invoices are calculated on a periodic basis and sent to each User for whom we transport electricity through our Distribution System. Invoices are reconciled over a period of approximately 14 months to reflect later and more accurate consumption figures.
- 2.7. The charges are applied on the basis of the LLFC assigned to the MPAN, and the units (or kWhs) consumed within the time periods specified in this statement. These time periods are not the same as those indicated by the Time Pattern Regime (TPR) assigned to the Standard Settlement Configuration (SSC). All LLFCs are assigned at our sole discretion, based on the tariff application rules set out in the appropriate charging methodology or elsewhere in this statement. Please refer to the section 'Incorrectly allocated charges' if you believe the allocated LLFC or tariff is incorrect.

### **Supercustomer charges**

- 2.8. Supercustomer charges include the following components:
  - a fixed charge, pence/MPAN/day, there will only be one fixed charge applied to each MPAN; and
  - unit charges, pence/kilowatt-hour (kWh); three unit charges will apply depending on the time of day and the type of tariff for which the MPAN is registered.
- 2.9. Users who wish to supply electricity to Customers for whom we receive aggregated data through Settlement (see paragraph 2.3) will be allocated the relevant charge structure set out in Annex 1.
- 2.10. Identification of the appropriate charge can be made by cross-reference to the LLFC.
- 2.11. Valid Settlement Profile Class (PC)/Standard Settlement Configuration (SSC)/Meter Timeswitch Code (MTC) combinations for LLFCs where the Metering System is Measurement Class A or B are detailed in Market Domain Data (MDD).
- 2.12. We do not apply a default tariff for invalid combinations.
- 2.13. The 'Domestic Aggregated (related MPAN)' and 'Non-Domestic Aggregated (related MPAN)' charges are supplementary to their respective primary MPAN charge.

### **Site-specific billing and payment**

- 2.14. The site-specific billing and payment approach makes use of HH metering data at premises level received through Settlement.
- 2.15. Invoices are calculated on a periodic basis and sent to each User for whom we transport electricity through our Distribution System. Where an account is based on estimated data, the account shall be subject to any adjustment that may be necessary following the receipt of actual data from the User.
- 2.16. The charges are applied on the basis of the LLFCs assigned to the MPAN (or the (MSID) for Central Volume Allocation (CVA) sites), and the units consumed within the time periods specified in this statement. Where MPANs have not been associated, for example when multiple points of connection fed from different sources are used for a single site, the relevant number of fixed charges will be applied
- 2.17. All LLFCs are assigned at our sole discretion, based on the tariff application rules set out in the appropriate charging methodology or elsewhere in this statement. Please refer to the section 'Incorrectly allocated charges' if you believe the allocated LLFC or tariff is incorrect. Where an incorrectly applied LLFC is identified, we may at our sole discretion apply the correct LLFC and/or charges.

### **Site-specific billed charges**

- 2.18. Site-specific billed charges for LV and HV Designated Properties may include the following components:
- a fixed charge, pence/MPAN/day or pence/MSID/day;
  - a capacity charge, pence/kilovolt-ampere (kVA)/day, for Maximum Import Capacity (MIC) and/or Maximum Export Capacity (MEC);
  - an excess capacity charge, pence/kVA/day, if a site exceeds its MIC and/or MEC;
  - three unit charges, pence/kWh, depending on the time of day and the type of tariff for which the MPAN is registered; and
  - a reactive power charge, pence/kilovolt-ampere reactive hour (kVArh), for each unit in excess of the reactive charge threshold.
- 2.19. Users who wish to supply electricity to Customers for whom we receive site-specific data through Settlement (see paragraph 2.4) will be allocated the relevant charge structure dependent upon the voltage and location of the Metering Point.



- 2.20. Fixed charges are generally levied on a pence per MPAN/MSID per day basis. Where two or more HH MPANs/MSIDs are located at the same point of connection (as identified in the Connection Agreement), with the same LLFC, and registered to the same Supplier, only one daily fixed charge will be applied.
- 2.21. LV and HV Designated Properties will be charged in accordance with the CDCM and allocated the relevant charge structure set out in Annex 1.
- 2.22. Designated EHV Properties will be charged in accordance with the EDCM and allocated the relevant charge structure set out in Annex 2.
- 2.23. Where LV and HV Designated Properties or Designated EHV Properties have more than one point of connection (as identified in the Connection Agreement) then separate charges will be applied to each point of connection.

### **Components of Charges**

#### ***Application of Residual Charges***

- 2.24. The following sections explain the application of residual charges.

#### ***Final Demand Sites***

- 2.25. Residual charges are recovered through fixed charges for all Final Demand Sites. All Non-Final Demand Sites must submit a valid certificate, as described in Section 10, and upon receipt of a valid certificate will be allocated to the relevant No Residual tariff.

#### ***Residual Charging Bands***

- 2.26. Residual charges are applied to Final Demand Sites on a banded basis, with all sites in a given charge band receiving the same residual charge. Domestic customers have a single charging band.
- 2.27. There are four non-domestic charging bands for each of the following groups:
- (a) Designated Properties connected at LV, billing with no MIC;
  - (b) Designated Properties connected at LV, billing with MIC;
  - (c) Designated Properties connected at HV; and
  - (d) Designated EHV Properties.
- 2.28. All non-domestic Final Demand customers are allocated into one of the four charging bands, for each relevant charge structure.
- 2.29. The residual charging band boundaries are calculated nationally based upon data from all LDNOs. The method and timing for calculating the residual charging band boundaries and the method and timing for allocating customers into the residual charging bands are set out in Schedule 32 of DCUSA.

- 2.30. The boundaries for the residual bands can be found in the 'Schedule of charges and other tables' spreadsheet on our website.

### ***Time periods***

- 2.31. The time periods for the application of unit charges to metered LV and HV Designated Properties are detailed in Annex 1. We have not issued a notice to change the time bands.
- 2.32. The time periods for the application of unit charges to Unmetered Supply Exit Points are detailed in Annex 1. We have not issued a notice to change the time bands.
- 2.33. The time periods for the application of unit charges to Designated EHV Properties are detailed in Annex 2. We have not issued a notice to change the time bands.

### ***Application of capacity charges***

- 2.34. The following sections explain the application of capacity charges and exceeded capacity charges.

### ***Chargeable capacity***

- 2.35. The chargeable capacity is, for each billing period, the MIC/MEC, as detailed below.
- 2.36. The MIC/MEC will be agreed with us at the time of connection or pursuant to a later change in requirements. Following such an agreement (be it at the time of connection or later) no reduction in MIC/MEC will be allowed for a 12 month period.
- 2.37. Reductions to the MIC/MEC may only be permitted once in a 12 month period. Where the MIC/MEC is reduced the new lower level will be agreed with reference to the level of the Customer's maximum import and/or export demand respectively. The new MIC/MEC will be applied from the start of the next billing period after the date that the request was received. 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 charges.
- 2.38. In the absence of an agreement, the chargeable capacity, save for error or omission, will be based on the last MIC/MEC that we have previously agreed for the relevant premises' connection. A Customer can seek to agree or vary the MIC/MEC by contacting us using the contact details in section 1.12.

### ***Exceeded capacity***

- 2.39. Where a Customer takes additional unauthorised capacity over and above the MIC/MEC, the excess will be classed as exceeded capacity. The exceeded portion of the capacity will be charged at the excess capacity charge p/kVA/day

rate, based on the difference between the MIC/MEC and the actual capacity used. This will be charged for the full duration of the billing period in which the breach occurs.

***Demand exceeded capacity***

$$\text{Demand exceeded capacity} = \max(2 \times \sqrt{AI^2 + \max(RI, RE)^2} - MIC, 0)$$

Where:

AI = Active import (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

MIC = Maximum import capacity (kVA)

- 2.40. Only reactive import and reactive export values occurring at times of active import are used in the calculation. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.
- 2.41. This calculation is completed for every half hour and the maximum value from the billing period is applied.

***Generation exceeded capacity***

$$\text{Generation exceeded capacity} = \max(2 \times \sqrt{AE^2 + \max(RI, RE)^2} - MEC, 0)$$

Where:

AE = Active export (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

MEC = Maximum export capacity (kVA)

- 2.42. Only reactive import and reactive export values occurring at times of active export are used in the calculation. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values occurring at times of kWh export are summated prior to the calculation above.
- 2.43. This calculation is completed for every half hour and the maximum value from the billing period is applied.

***Standby capacity for additional security on site***

- 2.44. Where standby capacity charges are applied, the charge will be set at the same rate as that applied to normal MIC. Should a Customer's request for additional

security of supply require the provision of capacity from two different sources, we reserve the right to charge for the capacity held at each source.

***Minimum capacity levels***

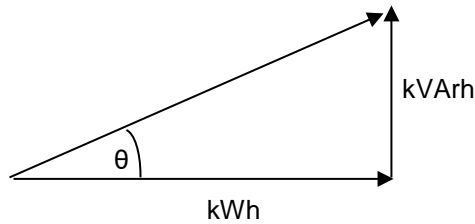
2.45. There is no minimum capacity threshold.

***Application of charges for excess reactive power***

2.46. When an individual HH metered MPAN's reactive power (measured in kVArh) at LV and HV Designated Properties exceeds 33% of its total active power (measured in kWh) in any given half hour, excess reactive power charges will apply. This threshold is equivalent to an average power factor of 0.95 during that half hour. Any reactive units in excess of the 33% threshold are charged at the rate appropriate to the particular charge.

2.47. Power Factor is calculated as follows:

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



2.48. The chargeable reactive power is calculated as follows:

***Demand chargeable reactive power***

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

Where:

AI = Active import (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

2.49. Only reactive import and reactive export values occurring at times of active import are used in the calculation. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.

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

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

***Generation chargeable reactive power***

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

Where:

AE = Active export (kWh)

RI = Reactive import (kVArh)

RE = Reactive export (kVArh)

- 2.52. Only reactive import and reactive export values occurring at times of active export are used in the calculation. Where data for two or more MPANs is aggregated for billing purposes the HH consumption values are summated prior to the calculation above.
- 2.53. The square root calculation will be to two decimal places.
- 2.54. This calculation is completed for every half hour and the values summated over the billing period.

#### **Incorrectly allocated charges**

- 2.55. It is our responsibility to apply the correct charges to each MPAN/MSID. The allocation of charges is based on the voltage of connection, import/export details including multiple MPANs, metering information and, for some tariffs, the metering location.
- 2.56. We are responsible for deciding the voltage of connection. Generally this is determined by where the metering is located and where responsibility for the electrical equipment transfers from us to the connected Customer.
- 2.57. We are also responsible for allocating non-domestic customers into their residual charging bands. Allocation into residual charging bands is determined by consumption for customers billed under the Supercustomer approach and by the MIC for customers billed under the site-specific approach.
- 2.58. The Supplier determines and provides us with the metering information and data to enable us to allocate charges. The metering information and data is likely to change over time if, for example, a Supplier changes an MPAN from non-domestic to domestic following a change of use at the premise. When we are notified this has happened we will change the allocation of charges accordingly.
- 2.59. If it has been identified that a charge may have been incorrectly allocated due to the metering information and/or data then a request for investigation should be made to the Supplier.
- 2.60. Where it has been identified that a charge may have been incorrectly allocated; due to the voltage of connection, import/export details, metering location; or allocation to residual charging band or any other relevant factor then a request to investigate the applicable charges should be made to us. Requests from persons other than the Customer or the current Supplier must be accompanied by a Letter of Authority from the Customer; the current Supplier must also acknowledge that they are aware a request has been made. Any request must be supported by an explanation of why it is believed that the current charge should be changed, along with supporting information including, where

- appropriate, photographs of metering positions or system diagrams. Any request to change the current charge that also includes a request for backdating must include justification as to why it is considered appropriate to backdate the change.
- 2.61. Where a residual charging band allocation cannot be resolved, the dispute process provided within DCUSA Schedule 32 should be followed.
- 2.62. An administration charge (covering our reasonable costs) may be made if a technical assessment or site visit is required, but we will not apply any charge where we agree to the change request.
- 2.63. Where we agree that the current LLFC/charge should be changed, we will then allocate the appropriate set of charges for the connection. Any adjustment will be applied from the date of the request, back to either the date of the incorrect allocation, or; up to the maximum period specified by the Limitation Act (1980) in England and Wales, which covers a six year period from the date of request, whichever is the shorter.
- 2.64. Any credit or additional charge will be issued to the relevant Supplier(s) effective during the period of the change.
- 2.65. Should we reject the request (as per paragraph 2.56) a justification will be provided to the requesting party. We shall not unreasonably withhold or delay any decision on a request to change the charges applied and would expect to confirm our position on the request within three months of the date of request.

#### **Generation charges for pre-2005 designated EHV properties**

- 2.66. Designated EHV Properties that were connected to the Distribution System under a pre-2005 connection charging policy are eligible for exemption from Use of System (UoS) charges for generation unless one of the following criteria has been met:
- 25 years have passed since their first energisation/connection date (i.e. Designated EHV Properties with Connection Agreements dated prior to 1st April 2005, and for which 25 years has passed since their first energisation/connection date will receive UoS charges for generation from the next charging year following the expiry of their 25 years exemption, (starting 1st April), or
  - the person responsible for the Designated EHV Property has provided notice to us that they wish to opt in to UoS charges for generation.

If a notice to opt in has been provided there will be no further opportunity to opt out.

2.67. Furthermore, if an exempt Customer makes an alteration to its export requirement then the Customer may be liable to be charged for the additional capacity required for energy imported or exported. For example, where a generator increases its export capacity the incremental increase in export capacity will attract UoS charges as with other non-exempt generators.

#### **Provision of billing data**

2.68. Where HH metering data is required for UoS charging and this is not provided in accordance with the BSC or DCUSA, such metering data shall be provided to us by the User of the system in respect of each calendar month within five working days of the end of that calendar month.

2.69. The metering data shall identify the amount of energy conveyed across the Metering System in each half hour of each day and shall separately identify active and reactive import and export. Metering data provided to us shall be consistent with that received through the metering equipment installed.

2.70. Metering data shall be provided in an electronic format specified by us 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 Master Registration Agreement (MRA) data flow D0036<sup>4</sup> (as agreed with us). The data shall be emailed to [nged.duos@nationalgrid.co.uk](mailto:nged.duos@nationalgrid.co.uk)

2.71. We require details of reactive power imported or exported to be provided for all Measurement Class C and E sites. It is also required for CVA sites and Exempt Distribution Network boundaries with difference metering. We reserve the right to levy a charge on Users who fail to provide such reactive data.

#### **Out of area use of system charges**

2.72. We do not operate networks outside our Distribution Services Area

#### **Licensed distribution network operator charges**

2.73. Licensed Distribution Network Operator (LDNO) charges are applied to LDNOs who operate Embedded Networks within our Distribution Services Area.

2.74. The charge structure for LV and HV Designated Properties embedded in networks operated by LDNOs will mirror the structure of the 'All-the-way' charge and is dependent upon the voltage of connection of each embedded network to our Distribution System. The relevant charge structures are set out in Annex 4.

2.75. We do not apply a default tariff for invalid combinations.

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<sup>4</sup> MRA Data Transfer Catalogue available from <https://dtc.mrasco.com/>



2.76. The charge structure for Designated EHV Properties embedded in networks operated by LDNOs will be calculated individually using the EDCM. The relevant charge structures are set out in Annex 2.

2.77. For Nested Networks the relevant charging principles set out in DCUSA Schedule 21 will apply.

### **Licence exempt distribution networks**

2.78. The Electricity and Gas (Internal Market) Regulations 2011<sup>5</sup> introduced new obligations on owners of licence exempt distribution networks (sometimes called private networks) including a duty to facilitate access to electricity and gas suppliers for Customers within those networks.

2.79. When Customers (both domestic and commercial) are located within a licence exempt distribution network and require the ability to choose their own Supplier this is called 'third party access'. These embedded Customers will require an MPAN so that they can have their electricity supplied by a Supplier of their choice.

2.80. Licence exempt distribution networks owners can provide third party access using either full settlement metering or the difference metering approach.

### **Full settlement metering**

2.81. This is where a licence exempt distribution network is set up so that each embedded installation has an MPAN and Metering System and therefore all Customers purchase electricity from their chosen Supplier. In this case there are no Settlement Metering Systems at the boundary between the licensed Distribution System and the licence exempt distribution network.

2.82. In this approach our UoS charges will be applied to each MPAN.

### **Difference metering**

2.83. This is where one or more, but not all, Customers on a licence exempt distribution network choose their own Supplier for electricity supply to their premises. Under this approach, the Customers requiring third party access on the licence exempt distribution network will have their own MPAN and must have a HH Metering System.

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<sup>5</sup> The Electricity and Gas (Internal Market) Regulations 2011 available from <http://www.legislation.gov.uk/uksi/2011/2704/contents/made>

### **Gross settlement**

2.84. Where one of our MPANs (Prefix 14) is embedded within a licence exempt distribution network connected to our Distribution System, and difference metering is in place for Settlement purposes and we receive gross measurement data for the boundary MPAN, we will continue to charge the boundary MPAN Supplier for use of our Distribution System. No charges will be levied by us directly to the Customer or Supplier of the embedded MPAN(s) connected within the licence exempt distribution network.

2.85. We require that gross metered data for the boundary of the connection is provided to us. Until a new industry data flow is introduced for the sending of such gross data, gross metered data shall:

- be provided in a text file in the format of the D0036 MRA data flow;
- the text file shall be emailed to [nged.duos@nationalgrid.co.uk](mailto:nged.duos@nationalgrid.co.uk) ;
- the title of the email should also contain the phrase “gross data for difference metered private network” and contain the metering reference specified by us in place of the Settlement MPAN; and
- the text filename shall be formed of the metering reference specified by us followed by a hyphen and followed by a timestamp in the format YYYYMMDDHHMMSS and followed by “.txt”.

2.86. For the avoidance of doubt, the reduced difference metered measurement data for the boundary connection that is to enter Settlement should continue to be sent using the Settlement MPAN.

### **Net settlement**

2.87. Where one of our MPANs (Prefix 14) is embedded within a licence exempt distribution network connected to one of our Distribution Systems, and difference metering is in place for Settlement purposes, and we do **not** receive gross measurement data for the boundary MPAN, we will charge the boundary MPAN Supplier based on the net measurement for use of our Distribution System. Charges will also be levied directly to the Supplier of the embedded MPAN(s) connected within the licence exempt distribution network based on the actual data received.

### **3. Schedule of charges for use of the distribution system**

- 3.1. Tables listing the charges for use of our Distribution System are published in annexes to this document.
- 3.2. These charges are also listed in a spreadsheet which is published with this statement and can be downloaded from [www.nationalgrid.co.uk](http://www.nationalgrid.co.uk)
- 3.3. Annex 1 contains the charges applied to LV and HV Designated Properties.
- 3.4. Annex 2 contains the charges applied to our Designated EHV Properties and charges applied to LDNOs for Designated EHV Properties connected to their Distribution Systems.
- 3.5. Annex 3 contains details of any preserved and additional charges that are valid at this time. Preserved charges are mapped to an appropriate charge and are closed to new Customers.
- 3.6. Annex 4 contains the charges applied to LDNOs in respect of LV and HV Designated Properties connected to their Distribution Systems.

## 4. Schedule of line loss factors

### Role of line loss factors in the supply of electricity

- 4.1. Electricity entering or exiting our Distribution System is adjusted to take account of energy that is lost<sup>6</sup> as it is distributed through the network. This adjustment does not affect distribution charges but is used in energy settlement to take metered consumption to a notional Grid Supply Point so that Suppliers' purchases take account of the energy lost on the Distribution System.
- 4.2. We are responsible for calculating the Line Loss Factors (LLFs) and providing these to Elexon. Elexon is the company that manages the BSC.
- 4.3. LLFs are used to adjust the Metering System volumes to take account of losses on the Distribution System.

### Calculation of line loss factors

- 4.4. LLFs are calculated in accordance with BSCP128, which sets out the procedure and principles with which our LLF methodology must comply. It also defines the procedure and timetable by which LLFs are reviewed and submitted.
- 4.5. LLFs are calculated for a set number of time periods during the year using either a generic or site-specific method. The generic method is used for sites connected at LV or HV and the site-specific method is used for sites connected at EHV or where a request for site-specific LLFs has been agreed. Generic LLFs will be applied as a default to all new EHV sites until sufficient data is available for a site-specific calculation.

Where the usage profile for a given site contains insufficiently large consumption or generation volumes to enable calculation of realistic Site Specific LLFs then a default calculation, or default replacement process shall be undertaken.

A default replacement process shall be deemed to have been undertaken if a generic methodology is used where the following applies:

- (a) A Site has multiple connections to the Total System and the primary connection is at EHV but there is a subordinate connection that is not connected at EHV, then a generic methodology MAY be used for the subordinate connection (even if a Site specific LLF is used for the Site's primary connection); and
- (b) The connection has a capacity of less than or equal to 1MVA

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<sup>6</sup> Energy can be lost for technical and non-technical reasons and losses normally occur by heat dissipation through power flowing in conductors and transformers. Losses can also reduce if a customer's action reduces power flowing in the distribution network. This might happen when a customer generates electricity and the produced energy is consumed locally.

The definition of EHV used for LLF purposes differs from the definition used for defining Designated EHV Properties in the EDCM. The definition used for LLF purposes can be found in our LLF methodology, which can be found on the Elexon website<sup>7</sup>.

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<sup>7</sup> BSCP128: Production, Submission, Audit and Approval of Line Loss Factors  
<https://www.elexon.co.uk/csd/bscp128-production-submission-audit-and-approval-of-line-loss-factors/>

### **Publication of line loss factors**

- 4.6. The LLFs used in Settlement are published on the Elexon Portal<sup>8</sup>. The website contains the LLFs in standard industry data formats and in a summary form. A user guide with details on registering and using the portal is also available.
- 4.7. BSCP128 sets out the timetable by which LLFs are submitted and audited. The submission and audit occurs between September and December in the year prior to the LLFs becoming effective. Only after the completion of the audit at the end of December and BSC approval are the final LLFs published.
- 4.8. As this statement is published a complete year before the LLFs for the charging year have been produced, Annex 5 is intentionally left blank. This statement will be reissued with Annex 5 populated once the LLFs have been calculated and audited. This should typically be more than three months prior to the statement coming into force.
- 4.9. When using the tables in Annex 5, reference should be made to the LLFC allocated to the MPAN to find the appropriate values.

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<sup>8</sup> The Elexon Portal can be accessed from [www.elexonportal.co.uk](http://www.elexonportal.co.uk)

## **5. Notes for Designated EHV Properties**

### **EDCM FCP network group costs**

- 5.1. A table is provided in the accompanying spreadsheet which shows the underlying Forward Cost Pricing (FCP) network group costs used to calculate the current EDCM charges. This spreadsheet is available to download from our website.
- 5.2. These are illustrative of the modelled costs at the time that this statement was published. A new connection will result in changes to current network utilisations, which will then form the basis of future prices. The charge determined in this statement will not necessarily be the charge in subsequent years because of the interaction between new and existing network connections and any other changes made to our Distribution System which may affect charges.

### **Charges for new Designated EHV Properties**

- 5.3. Charges for any new Designated EHV Properties calculated after publication of the current statement will be published on our website in an addendum to that statement as and when necessary. The addendum will include charge information of the type found in Annex 2, and LLFs as found in Annex 5.
- 5.4. The form of the addendum is detailed in Annex 6 to this statement.
- 5.5. The new Designated EHV Properties' charges will be added to Annex 2 in the next full statement released.

### **Charges for amended Designated EHV Properties**

- 5.6. Where an existing Designated EHV Property is modified and energised in the charging year, we may revise the EDCM charges for the modified Designated EHV Property. If revised charges are appropriate, an addendum will be sent to all relevant parties and published as a revised 'Schedule of Charges and other tables' spreadsheet on our website. The modified Designated EHV Property charges will be added to Annex 2 in the next full statement released.

## **Demand-side management**

5.7. Our Demand Side Management approach is as follows:

- All EDCM Customers may apply to enter into a Demand Side Management Contract
- We may at our sole discretion approach specific Customers, aggregators or Suppliers to provide a range of Demand Side responses in specific locations based on network needs. These agreements may be for pre or post fault arrangements. It is at our sole discretion whether to offer post-fault Demand Side Management agreements.
- Payments accrued by a Customer who enters into a Demand Side Management agreement will be reflected in their Distribution Use of System Charges to their Supplier. Payments may be subject to reduction if the Customer fails to deliver demand reductions in accordance with the agreement
- The minimum demand reduction capacity a Customer can offer is 25% of its Maximum Import Capacity.

5.8. Requests for Demand Side Management agreements should be sent to the Income Manager at the address shown in paragraph 1.11.



## **6. Electricity distribution rebates**

- 6.1. We have neither given nor announced any DUoS rebates to Users in the 12 months preceding the date of publication of this version of the statement.

## **7. Accounting and administration services**

- 7.1. We reserve the right to impose payment default remedies. The remedies are as set out in DCUSA where applicable or else as detailed in the following paragraph.
- 7.2. If any invoices that are not subject to a valid dispute remain unpaid on the due date, late payment interest (calculated at base rate plus 8%) and administration charges may be imposed.
- 7.3. Our administration charges are detailed in the following table. These charges are set at a level which is in line with the Late Payment of Commercial Debts Act;

<b>Size of Unpaid Debt</b>	<b>Late Payment Fee</b>
Up to £999.99	£40.00
£1,000 to £9,999.99	£70.00
£10,000 or more	£100.00

## **8. Charges for electrical plant provided ancillary to the grant of use of system**

- 8.1. None

## **9. Schedule of fixed adders to recover Supplier of Last Resort and Eligible Bad Debt pass-through costs**

### ***Supplier of Last Resort***

- 9.1. In accordance with Standard Condition 38B 'Treatment of payment claims for last-resort supply where Valid Claim is received on or after 1 April 2019' ('SLC38B') of our Electricity Distribution Licence, and subject to paragraph 9 of that condition, our charges will recover the amount of payments in Regulatory Year t-2 made in response to Last Resort Supply Payment claims. In accordance with Charge Restriction Condition 2B 'Calculation of Allowed Pass-Through Items' ('CRC2B'), specifically paragraph 35 of that condition, other relevant adjustments may also be included.

### ***Excess Supplier of Last Resort***

- 9.2. In accordance with paragraph 9 of SLC38B, we may amend previously published charges as a result of Last Resort Supply Payment claims which breach the Materiality Threshold.
- 9.3. In such instance, we will include the fixed charge adder to recover these costs separately to the charges calculated in accordance with paragraph 9.1. The Excess Supplier of Last Resort fixed adder therefore represents an increase to previously published charges only.

### ***Eligible Bad Debt***

- 9.4. In accordance with CRC2B, specifically paragraph 39 of that condition, our charges will recover the amount of use of system bad debt the Authority has consented to be recovered. This includes use of system bad debt our charges are recovering on behalf of Independent Distribution Network Operators (IDNOs), in accordance with Standard Licence Condition 38C 'Treatment of Valid Bad Debt Claims' ('SLC38C'), and specifically paragraph 4 of that condition, plus any amounts being returned by us, including on behalf of IDNOs.

### ***Tables of Fixed Adders***

- 9.5. Tables listing the charges to recover Supplier of Last Resort and Eligible Bad Debt pass-through costs are published in Annex 7 to this document. The charges are shown for information only and are already included in the final Annex 1 charges.

## **10. Non-Final Demand Sites**

### **Charges for Non-Final Demand Sites**

10.1. A Non-Final Demand Site is charged an import tariff that excludes the residual cost element of charges. If the User wishes for a property to qualify for allocation to these tariffs, then the User must submit certification declaring that the property meets the required criteria as per DCUSA.

### **Process for submitting certification**

10.2. This certification should take the form as set out in Appendix 3 and be submitted to the contact details in 1.11.

We may, at our discretion, request a signed paper certificate from the User, in place of electronic. If requested, paper certification should be posted to the contact details above.

10.3. Users should undertake reasonable endeavours to ensure the facts attested to in the certification are true. We may request documentation evidencing these endeavours, including where appropriate, photographs of metering positions or system diagrams, following receipt of the certification.

10.4. If we determine that the documentation provided does not sufficiently evidence the undertaking of reasonable endeavours, does not support the facts attested to in the certification, or if no documentation is received, we may at our discretion reject the certification as invalid. If the certification is rejected as invalid, then the property will not qualify as a Non-Final Demand Site.

### **Application of charges for Non-Final Demand Sites**

- 10.5. A property will only be deemed to qualify as a Non-Final Demand Site, and be allocated charges as such, from the date on which we receive valid certification.
- 10.6. If a property that has previously been certified as a Non-Final Demand Site no longer satisfies the criteria as per DCUSA, then the User must inform us immediately.
- 10.7. For a property that has been previously certified as a Non-Final Demand Site, we will continue to apply the relevant no residual import tariff without the requirement for further certification, except in any one of the following circumstances;
- (a) Where we have reason to believe that the property no longer qualifies as a Non-Final Demand Site; or
  - (b) Significant time has passed since the certification was submitted; or
  - (c) Where there is a change to the connection characteristics i.e. capacity change.

If such circumstances occur, we may request re-certification of the site, or reject the certification as invalid at our discretion.

- 10.8. When a property no longer meets the required criteria to qualify as a Non-Final Demand Site, we will change the allocation of charges accordingly from that point.
- 10.9. Please refer to the section 'Incorrectly allocated charges' if you believe the property has been incorrectly not allocated charges as a Non-Final Demand Site.

## Appendix 1 - Glossary

1.1. The following definitions, which can extend to grammatical variations and cognate expressions, are included to aid understanding:

Term	Definition
All-the-way Charge	A charge that is applicable to an end user rather than an LDNO. An end user in this context is a Supplier/User who has a registered MPAN or MSID and is using the Distribution System to transport energy on behalf of a Customer.
Balancing and Settlement Code (BSC)	The BSC contains the governance arrangements for electricity balancing and settlement in Great Britain. An overview document is available from <a href="http://www.elexon.co.uk/ELEXON/Documents/trading_arrangements.pdf">www.elexon.co.uk/ELEXON/Documents/trading_arrangements.pdf</a> .
Balancing and Settlement Code Procedure (BSCP)	A document of that title, as established or adopted and from time to time modified by the Panel in accordance with The Code, setting out procedures to be complied with (by Parties, Party Agents, BSC Agents, BSCCo, the Panel and others) in, and other matters relating to, the implementation of The Code;
Common Distribution Charging Methodology (CDCM)	The CDCM used for calculating charges to Designated Properties as required by standard licence condition 13A of the Electricity Distribution Licence.
Connection Agreement	An agreement between an LDNO and a Customer which provides that that Customer has the right for its connected installation to be and remain directly or indirectly connected to that LDNO's Distribution System
Central Volume Allocation (CVA)	As defined in the BSC.
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;  Or  A person from whom a User purchases, or proposes to purchase, electricity, at an entry point (who may from time to time be supplied with electricity as a Customer of that User (or another electricity supplier) through an exit point).
Designated EHV Properties	As defined in standard condition 13B of the Electricity Distribution Licence.
Designated Properties	As defined in standard condition 13A of the Electricity Distribution Licence.

Term	Definition
Distribution Connection and Use of System Agreement (DCUSA)	<p>The DCUSA is a multi-party contract between the licensed electricity distributors, suppliers, generators and Offshore Transmission Owners of Great Britain.</p> <p>It is a requirement that all licensed electricity distributors and suppliers become parties to the DCUSA.</p>

Term	Definition																																																																																							
Distributor IDs	<p>These are unique IDs that can be used, with reference to the MPAN, to identify your LDNO. The charges for other network operators can be found on their website.</p>																																																																																							
	<table border="1"> <thead> <tr> <th data-bbox="655 331 727 389">ID</th> <th data-bbox="727 331 1075 389">Distribution Service Area</th> <th data-bbox="1075 331 1393 389">Company</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>East of England</td> <td>UK Power Networks</td> </tr> <tr> <td>11</td> <td>East Midlands</td> <td>National Grid Electricity Distribution</td> </tr> <tr> <td>12</td> <td>London</td> <td>UK Power Networks</td> </tr> <tr> <td>13</td> <td>Merseyside and North Wales</td> <td>Scottish Power</td> </tr> <tr> <td>14</td> <td>Midlands</td> <td>National Grid Electricity Distribution</td> </tr> <tr> <td>15</td> <td>Northern</td> <td>Northern Powergrid</td> </tr> <tr> <td>16</td> <td>North Western</td> <td>Electricity North West</td> </tr> <tr> <td>17</td> <td>Scottish Hydro Electric (and embedded networks in other areas)</td> <td>Scottish Hydro Electric Power Distribution plc</td> </tr> <tr> <td>18</td> <td>South Scotland</td> <td>Scottish Power</td> </tr> <tr> <td>19</td> <td>South East England</td> <td>UK Power Networks</td> </tr> <tr> <td>20</td> <td>Southern Electric (and embedded networks in other areas)</td> <td>Southern Electric Power Distribution plc</td> </tr> <tr> <td>21</td> <td>South Wales</td> <td>National Grid Electricity Distribution</td> </tr> <tr> <td>22</td> <td>South Western</td> <td>National Grid Electricity Distribution</td> </tr> <tr> <td>23</td> <td>Yorkshire</td> <td>Northern Powergrid</td> </tr> <tr> <td>24</td> <td>All</td> <td>Independent Power Networks</td> </tr> <tr> <td>25</td> <td>All</td> <td>ESP Electricity</td> </tr> <tr> <td>26</td> <td>All</td> <td>Energetics Electricity Ltd</td> </tr> <tr> <td>27</td> <td>All</td> <td>The Electricity Network Company Ltd</td> </tr> <tr> <td>29</td> <td>All</td> <td>Harlaxton Energy Networks</td> </tr> <tr> <td>30</td> <td>All</td> <td>Peel Electricity Networks Ltd</td> </tr> <tr> <td>31</td> <td>All</td> <td>UK Power Distribution Ltd</td> </tr> <tr> <td>32</td> <td>All</td> <td>Energy Assets Networks Limited</td> </tr> <tr> <td>33</td> <td>All</td> <td>Eclipse Power Networks Ltd</td> </tr> <tr> <td>34</td> <td>All</td> <td>Murphy Power Distribution Ltd</td> </tr> <tr> <td>35</td> <td>All</td> <td>Fulcrum Electricity Assets Ltd</td> </tr> <tr> <td>36</td> <td>All</td> <td>Vattenfall Networks Ltd</td> </tr> <tr> <td>37</td> <td>All</td> <td>Forbury Assets Limited</td> </tr> <tr> <td>38</td> <td>All</td> <td>Indigo Power Limited</td> </tr> </tbody> </table>	ID	Distribution Service Area	Company	10	East of England	UK Power Networks	11	East Midlands	National Grid Electricity Distribution	12	London	UK Power Networks	13	Merseyside and North Wales	Scottish Power	14	Midlands	National Grid Electricity Distribution	15	Northern	Northern Powergrid	16	North Western	Electricity North West	17	Scottish Hydro Electric (and embedded networks in other areas)	Scottish Hydro Electric Power Distribution plc	18	South Scotland	Scottish Power	19	South East England	UK Power Networks	20	Southern Electric (and embedded networks in other areas)	Southern Electric Power Distribution plc	21	South Wales	National Grid Electricity Distribution	22	South Western	National Grid Electricity Distribution	23	Yorkshire	Northern Powergrid	24	All	Independent Power Networks	25	All	ESP Electricity	26	All	Energetics Electricity Ltd	27	All	The Electricity Network Company Ltd	29	All	Harlaxton Energy Networks	30	All	Peel Electricity Networks Ltd	31	All	UK Power Distribution Ltd	32	All	Energy Assets Networks Limited	33	All	Eclipse Power Networks Ltd	34	All	Murphy Power Distribution Ltd	35	All	Fulcrum Electricity Assets Ltd	36	All	Vattenfall Networks Ltd	37	All	Forbury Assets Limited	38	All	Indigo Power Limited
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<b>Term</b>	<b>Definition</b>
Distribution Network Operator (DNO)	An electricity distributor that operates one of the 14 distribution services areas and in whose Electricity Distribution Licence the requirements of Section B of the standard conditions of that licence have effect.
Distribution Services Area	The area specified by the Gas and Electricity Markets Authority within which each DNO must provide specified distribution services.
Distribution System	<p>The system consisting (wholly or mainly) of electric lines owned or operated by an authorised distributor that is used for the distribution of electricity from:</p> <ul style="list-style-type: none"> <li>• Grid Supply Points or generation sets or other entry points</li> </ul> <p>to the points of delivery to:</p> <ul style="list-style-type: none"> <li>• Customers or Users or any transmission licensee in its capacity as operator of that licensee's transmission system or the Great Britain (GB) transmission system and includes any remote transmission assets (owned by a transmission licensee within England and Wales)</li> </ul> <p>that are operated by that authorised distributor and any electrical plant, electricity meters, and metering equipment owned or operated by it in connection with the distribution of electricity, but does not include any part of the GB transmission system.</p>
EHV Distribution Charging Methodology (EDCM)	The EDCM used for calculating charges to Designated EHV Properties as required by standard licence condition 13B of the Electricity Distribution Licence.
Electricity Distribution Licence	The Electricity Distribution Licence granted or treated as granted pursuant to section 6(1) of the Electricity Act 1989.
Electricity Distributor	Any person who is authorised by an Electricity Distribution Licence to distribute electricity.
Embedded Network	An electricity Distribution System operated by an LDNO and embedded within another Distribution System.
Engineering Recommendation P2/6	A document of the Energy Networks Association, which defines planning standards for security of supply and is referred to in Standard Licence Condition 24 of our Electricity Distribution Licence.
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 point of connection at which a supply of electricity may flow from the Distribution System to the Customer's installation or User's installation or the Distribution System of another person.
Extra High Voltage (EHV)	Nominal voltages of 22kV and above.
Final Demand Site	As defined in DCUSA Schedule 32.



Term	Definition
Gas and Electricity Markets Authority (GEMA)	As established by the Utilities Act 2000.
Grid Supply Point (GSP)	A metered connection between the National Grid Electricity Transmission system and the licensee's distribution system at which electricity flows to or from the Distribution System.
GSP group	A distinct electrical system that is supplied from one or more GSPs for which total supply into the GSP group can be determined for each half hour.
High Voltage (HV)	Nominal voltages of at least 1kV and less than 22kV.
Invalid Settlement Combination	A Settlement combination that is not recognised as a valid combination in market domain data - see <a href="https://www.elexonportal.co.uk/MDDVIEWER">https://www.elexonportal.co.uk/MDDVIEWER</a> .
kVA	Kilovolt ampere.
kVArh	Kilovolt ampere reactive hour.
kW	Kilowatt.
kWh	Kilowatt hour (equivalent to one "unit" of electricity).
Licensed Distribution Network Operator (LDNO)	The holder of a Licence to distribute electricity.
Line Loss Factor (LLF)	The factor that is used in Settlement to adjust the metering system volumes to take account of losses on the distribution system.
Line Loss Factor Class (LLFC)	An identifier assigned to an SVA metering system which is used to assign the LLF and use of system charges.
Load Factor	$= \frac{\text{annual consumption (kWh)}}{\text{maximum demand (kW)} \times \text{hours in year}}$
Low Voltage (LV)	Nominal voltages below 1kV.
Market Domain Data (MDD)	MDD is a central repository of reference data available to all Users involved in Settlement. It is essential to the operation of SVA trading arrangements.
Maximum Export Capacity (MEC)	The MEC of apparent power expressed in kVA that has been agreed can flow through the entry point to the Distribution System from the Customer's installation as specified in the connection agreement.
Maximum Import Capacity (MIC)	The MIC of apparent power expressed in kVA that has been agreed can flow through the exit point from the Distribution System to the Customer's installation as specified in the connection agreement.

Term	Definition
Measurement Class	<p>A classification of Metering Systems used in the BSC which indicates how consumption is measured, i.e.:</p> <ul style="list-style-type: none"> <li>• Measurement Class A – non-half hourly metering equipment;</li> <li>• Measurement Class B – non-half hourly unmetered supplies;</li> <li>• Measurement Class C – half hourly metering equipment at or above 100kW premises;</li> <li>• Measurement Class D – half hourly unmetered supplies;</li> <li>• Measurement Class E – half hourly metering equipment below 100kW premises with CT;</li> <li>• Measurement Class F – half hourly metering equipment at below 100kW premises with CT or whole current, and at domestic premises; and</li> <li>• Measurement Class G – half hourly metering equipment at below 100kW premises with whole current and not at domestic premises.</li> </ul>
Meter Timeswitch Code (MTC)	<p>MTCs are three digit codes allowing suppliers to identify the metering installed in Customers' premises. They indicate whether the meter is single or multi-rate, pre-payment or credit, or whether it is 'related' to another meter. Further information can be found in MDD.</p>
Metering Point	<p>The point at which electricity that is exported to or imported from the licensee's Distribution System is measured, is deemed to be measured, or is intended to be measured and which is registered pursuant to the provisions of the MRA. For the purposes of this statement, GSPs are not 'Metering Points'.</p>
Metering Point Administration Number (MPAN)	<p>A number relating to a Metering Point under the MRA.</p>
Metering System	<p>Particular commissioned metering equipment installed for the purposes of measuring the quantities of exports and/or imports at the exit point or entry point.</p>
Metering System Identifier (MSID)	<p>MSID is a term used throughout the BSC and its subsidiary documents and has the same meaning as MPAN as used under the MRA.</p>
Master Registration Agreement (MRA)	<p>The Master Registration Agreement (MRA) provides a governance mechanism to manage the processes established between electricity suppliers and distribution companies to enable electricity suppliers to transfer customers. It includes terms for the provision of Metering Point Administration Services (MPAS) Registrations.</p>
Nested Networks	<p>This refers to a situation where there is more than one level of Embedded Network and therefore nested Distribution Systems between LDNOs (e.g. host DNO→primary nested DNO→ secondary nested DNO→customer).</p>
Non-Final Demand Site	<p>As defined in DCUSA Schedule 32.</p>
Ofgem	<p>Office of Gas and Electricity Markets – Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.</p>

<b>Term</b>	<b>Definition</b>
Profile Class (PC)	A categorisation applied to NHH MPANs and used in settlement to group customers with similar consumption patterns to enable the calculation of consumption profiles.
Settlement	The determination and settlement of amounts payable in respect of charges (including reconciling charges) in accordance with the BSC.
Settlement Class (SC)	The combination of Profile Class, Line Loss Factor Class, Time Pattern Regime and Standard Settlement Configuration, by Supplier within a GSP group and used for Settlement.
Standard Settlement Configuration (SSC)	A standard metering configuration relating to a specific combination of Time Pattern Regimes.
Supercustomer	The method of billing Users for use of system on an aggregated basis, grouping together consumption and standing charges for all similar NHH metered Customers or aggregated HH metered Customers.
Supercustomer DUoS Report	A report of profiled data by Settlement Class providing counts of MPANs and units consumed.
Supplier	An organisation with a supply licence responsible for electricity supplied to and/or exported from a metering point.
Supplier Volume Allocation (SVA)	As defined in the BSC.
Time Pattern Regime (TPR)	The pattern of switching behaviour through time that one or more meter registers follow.
Unmetered Supplies	Exit points deemed to be suitable as unmetered supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001 and where operated in accordance with BSC procedure 520 <sup>9</sup> .
Use of System Charges	Charges which are applicable to those parties which use the Distribution System.
User	Someone that has a use of system agreement with the DNO e.g. a supplier, generator or other LDNO.

<sup>9</sup> Balancing and Settlement Code Procedures are available from <http://www.elexon.co.uk/pages/bscps.aspx>

## Appendix 2 - Guidance notes<sup>10</sup>

### Background

- 1.1. The electricity bill from your Supplier contains an element of charge to cover electricity distribution costs. This distribution charge covers the cost of operating and maintaining a safe and reliable Distribution System that forms the 'wires' that transport electricity between the national transmission system and end users such as homes and businesses. Our Distribution System includes overhead lines, underground cables, as well as substations and transformers.
- 1.2. In most cases, your Supplier is invoiced for the distribution charge and this is normally part of your total bill. In some cases, for example business users, the Supplier may pass through the distribution charge as an identifiable line item on the electricity bill.
- 1.3. Where electricity is generated at a premises your Supplier may receive a credit for energy that is exported on to the Distribution System. These credits are intended to reflect that the exported generation may reduce the need for traditional demand led reinforcement of the Distribution System.
- 1.4. Understanding your distribution charges could help you reduce your costs and increase your credits. This is achieved by understanding the components of the charge to help you identify whether there may be opportunities to change the way you use the Distribution System.

### Meter point administration

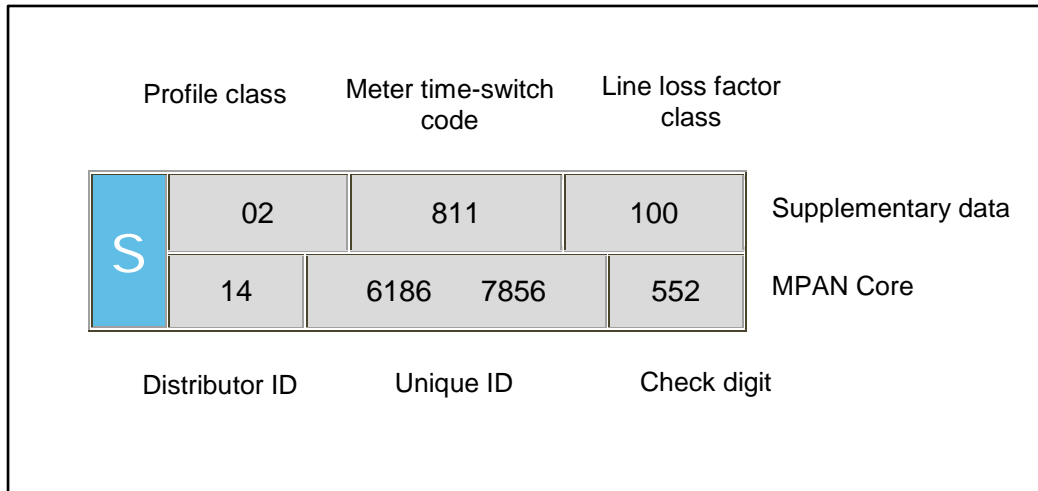
- 1.5. We are responsible for managing the electricity supply points that are connected to our Distribution System. Typically, every supply point is identified by a Meter Point Administration Number (MPAN). A few supply points may have more than one MPAN depending on the metering configuration (e.g. a school which may have an MPAN for the main supply and an MPAN for catering).
- 1.6. The full MPAN is a 21 digit number, preceded by an 'S' and includes supplementary data. The MPAN applicable to a supply point is found on the electricity bill from your Supplier. This number enables you to establish who your electricity distributor is, details of the characteristics of the supply and importantly the distribution charges that are applicable to your premises.

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<sup>10</sup> These guidance notes are provided for additional information and do not form part of the application of charges.

- 1.7. The 21-digit number is normally presented in two sections as shown in the following diagram. The top section is supplementary data which gives information about the characteristics of supply, while the bottom 'core' is the unique identifier.

Full MPAN diagram



- 1.8. Generally, you will only need to know the Distributor ID and LLFC to identify the distribution charges for your premises. However, there are some premises where charges are specific to that site. In these instances, the charges are identified by the MPAN core. The Distributor ID for MIDE is 14. Other Distributor IDs can be referenced in the glossary.

- 1.9. Additionally, it can be useful to understand the profile class provided in the supplementary data. The profile class will be a number between 00 and 08. The following list provides details of the allocation of profile classes to types of customers:

- '01' – Domestic customers with unrestricted supply
- '02' – Domestic customers with restricted load, for example off-peak heating
- '03' – Non-domestic customers with unrestricted supply
- '04' – Non-domestic customers with restricted load, for example off-peak heating
- '05' – Non-domestic maximum demand customers with a Load Factor of less than 20%
- '06' – Non-domestic maximum demand customers with a Load Factor between 20% and 30%
- '07' – Non-domestic maximum demand customers with a Load Factor between 30% and 40%

- '08' – Non-domestic maximum demand customers with a Load Factor over 40% or non-half hourly metered generation customers
  - '00' – Half-hourly metered, demand and generation customers
- 1.10. Unmetered Supplies will be allocated to profile class 01, 08 or 00 depending on the type of load or the measurement method of the load.
- 1.11. The allocation of the profile class will affect your charges. If you feel that you have been allocated the wrong profile class, please contact your Supplier as they are responsible for this.

### **Your charges**

- 1.12. All distribution charges that relate to our Distributor ID 14 are provided in this statement.
- 1.13. You can identify your charges by referencing your LLFC, from Annex 1. If the MPAN is for a Designated EHV Property, then the charges will be found in Annex 2. In a few instances, the charges may be contained in Annex 3 or Annex 6. When identifying charges in Annex 2, please note that some LLFCs have more than one charge. In this instance, you will need to select the correct charge by cross-referencing with the MPAN core provided in the table.
- 1.14. Once you have identified which charge structure applies to your MPAN then you will be able to calculate an estimate of your distribution charge using the calculator provided in the spreadsheet 'Schedule of charges and other tables' found in the sheet called 'Charge Calculator'. This spreadsheet can be downloaded from [www.nationalgrid.co.uk](http://www.nationalgrid.co.uk)

### **Reducing your charges**

- 1.15. The most effective way to reduce your energy charges is to reduce your consumption by switching off or using more energy efficient appliances. However, there are also other potential opportunities to reduce your distribution charges; for example, it may be beneficial to shift demand or generation to a better time period. Demand use is likely to be cheaper outside peak periods and generation credits more beneficial during peak periods, although the ability to directly benefit will be linked to the structure of your supply charges.
- 1.16. The calculator mentioned above provides the opportunity to establish a forecast of the change in distribution charges that could be achieved if you are able to change any of the consumption related inputs.

### **Reactive power and reactive power charges**

- 1.17. Reactive power is a separately charged component of connections that are half hourly metered. Reactive power charges are generally avoidable if 'best practice' design of the properties' electrical installation has been provided in order to maintain a power factor between 0.95 and unity at the Metering Point.
- 1.18. Reactive Power (kVA<sub>rh</sub>) is the difference between working power (active power measured in kW) and total power consumed (apparent power measured in kVA). Essentially it is a measure of how efficiently electrical power is transported through an electrical installation or a Distribution System.
- 1.19. Power flowing with a power factor of unity results in the most efficient loading of the Distribution System. Power flowing with a power factor of less than 0.95 results in much higher losses in the Distribution System, a need to potentially provide higher capacity electrical equipment and consequently a higher bill for you the consumer. A comparatively small improvement in power factor can bring about a significant reduction in losses since losses are proportional to the square of the current.
- 1.20. Different types of electrical equipment require some 'reactive power' in addition to 'active power' in order to work effectively. Electric motors, transformers and fluorescent lighting, for example, may produce poor power factors due to the nature of their inductive load. However, if good design practice is applied then the poor power factor of appliances can be corrected as near as possible to source. Alternatively, poor power factor can be corrected centrally near to the meter.
- 1.21. There are many advantages that can be achieved by correcting poor power factor. These include: reduced energy bills through lower reactive charges, lower capacity charges and reduced power consumption and reduced voltage drop in long cable runs.

### **Site-specific EDCM charges**

- 1.22. A site classified as a Designated EHV Property is subject to a locational-based charging methodology (referred to as EDCM) for higher voltage network users. Distributors use one of two approved approaches: Long Run Incremental Cost (LRIC) or Forward Cost Pricing (FCP); we use the FCP. The EDCM will apply to Customers connected at EHV or connected at HV and metered at a HV Substation.

1.23. EDCM charges and credits are site-specific, reflecting the degree to which the local and higher voltage networks have the capacity to serve more demand or generation without the need to upgrade the electricity infrastructure. The charges also reflect the networks specifically used to deliver the electricity to the site as well as the usage at the site. Generators with non-intermittent output and deemed to be providing beneficial support to our networks may qualify to receive credit.

1.24. The charges under the EDCM comprise of the following individual components:

a) **Fixed charge (pence/MPAN/day)** - This charge recovers operational costs associated with those connection assets that are provided for the 'sole' use of the customer and a residual amount to ensure recovery of our regulated allowed revenue.

b) **Capacity charge (pence/kVA/day)** - This charge comprises the relevant FCP component, the National Grid Electricity Transmission cost and other regulated costs.

Capacity charges are levied on the MIC, MEC, and any exceeded capacity. You may wish to review your MIC or MEC periodically to ensure it remains appropriate for your needs as you may be paying for more capacity than you require. If you wish to make changes contact us via the details in paragraph 1.12

The FCP cost is locational and reflects our assessment of future network reinforcement necessary at the voltage of connection (local) and beyond at all higher voltages (remote) relevant to the customer's connection. This results in the allocation of higher costs in more capacity congested parts of the network reflecting the greater likelihood of future reinforcement in these areas, and the allocation of lower costs in less congested parts of the network. The local FCP cost is included in the capacity charge.

Our regulated costs include direct and indirect operational costs The capacity charge recovers these costs using the customer usage profile and the relevant assets being used to transport electricity between the source substation and customer's Metering Point.

c) **Super-red unit charge (pence/kWh)** - This charge recovers the remote FCP component. The charge is positive for import and negative for export which means you can either reduce your charges by minimising consumption or



increasing export at those times. The charge is applied to consumption during the Super-red time period as detailed in Annex 2.

1.25. Future charge rates may be affected by consumption during the Super-red period, therefore reducing consumption in the Super-red time period may be beneficial.

1.26. **Reactive Power** - The EDCM does not include a separate charge component for any reactive power flows (kVAr) for either demand or generation. However, the EDCM charges do reflect the effect on the network of the customer's power factor; for example, unit charges can increase if your site power factor is poor (lower than 0.95). Improving your site's power factor will also reduce the maximum demand (kVA) for the same power consumed in kW thus providing scope to reduce your agreed capacity requirements.

### Appendix 3 – Non-Final Demand Site Certificate

A certificate set out in the form of the example shown below should be submitted to confirm that a site qualifies as a Non-Final Demand Site.

<b>Non-Final Demand Site Certificate of Compliance</b>	
<p>This is to certify that the Metering System listed below qualifies as compliant with the criteria of a Non-Final Demand Site, for the purposes of Use of System charges, and that:</p> <p>The property is a Single Site at which either or both Electricity Storage and/or Electricity Generation occurs (whether the facility(ies) at the site are operating or being commissioned, repaired or decommissioned), and that:</p> <ul style="list-style-type: none"> <li>a) has an export MPAN and an import MPAN with associated metering equipment which only measures export from Electricity Storage and/or Electricity Generation and import for or directly relating to Electricity Storage and/or Electricity Generation (and not export from another source and/or import for another activity); and               <ul style="list-style-type: none"> <li>i) if registered in an MPAS Registration System, is subject to certification from a Supplier Party that the site meets the criteria in paragraph (a) above, which certificate has been provided to the DNO/IDNO Party; or</li> <li>ii) if registered in CMRS, is subject to certification from the Customer (or its CVA Registrant) that the site meets the criteria in paragraph (a) above, which certificate has been provided to the DNO/IDNO Party.</li> </ul> </li> </ul> <p>For the purposes of this declaration, the term Non-Final Demand Site has the meaning given to it in the DCUSA.</p>	
Metering System Site Address:	
Qualifying Import MPAN/MSID(s)	Qualifying Export MPAN/MSID(s)
<p>I declare that I understand the qualification requirements and certify that the above Metering System meets the criteria of a Non-Final Demand Site.</p> <p>Authorised signatory:</p> <p>Name and designation:</p> <p>On behalf of company:</p> <p>Date:</p>	

# Annex 1 - Schedule of Charges for use of the Distribution System by LV and HV Designated Properties

National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final LV and HV charges

Time Bands for LV and HV Designated Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
Notes	All the above times are in UK Clock time		

Time Bands for Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday Nov to Feb	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Monday to Friday Mar to Oct		07:30 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
Notes	All the above times are in UK Clock time		

Tariff name	Open LLFCs	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVAh	Closed LLFCs
Domestic Aggregated with Residual	1, 4, 632	0, 1, 2	6.555	1.164	0.137	17.26				2, 3, 5, 6, 30
Domestic Aggregated (Related MPAN)	34	2	6.555	1.164	0.137					
Non-Domestic Aggregated No Residual	N10, N20, N30	0, 3, 4, 5-8	6.077	1.079	0.127	10.41				
Non-Domestic Aggregated Band 1	7, 10, 21, 19, 633, 322, 323	0, 3, 4, 5-8	6.077	1.079	0.127	14.31				8, 9, 13, 14, 107, 108, 109, 11, 12, 110, 111, 112, 20, 22, 25, 26, 27
Non-Domestic Aggregated Band 2	N12, N22, N32	0, 3, 4, 5-8	6.077	1.079	0.127	29.82				
Non-Domestic Aggregated Band 3	N13, N23, N33	0, 3, 4, 5-8	6.077	1.079	0.127	56.80				
Non-Domestic Aggregated Band 4	N14, N24, N34	0, 3, 4, 5-8	6.077	1.079	0.127	164.03				
Non-Domestic Aggregated (related MPAN)	40	4	6.077	1.079	0.127					
LV Site Specific No Residual	L00, LST	0	4.745	0.851	0.095	14.32	4.93	8.65	0.115	
LV Site Specific Band 1	127, 129	0	4.745	0.851	0.095	268.51	4.93	8.65	0.115	121, 124, 132
LV Site Specific Band 2	L02	0	4.745	0.851	0.095	491.62	4.93	8.65	0.115	
LV Site Specific Band 3	L03	0	4.745	0.851	0.095	773.30	4.93	8.65	0.115	
LV Site Specific Band 4	L04	0	4.745	0.851	0.095	1331.62	4.93	8.65	0.115	
LV Sub Site Specific No Residual	S00, SST	0	2.434	0.449	0.042	11.22	5.34	7.26	0.070	
LV Sub Site Specific Band 1	128	0	2.434	0.449	0.042	265.40	5.34	7.26	0.070	
LV Sub Site Specific Band 2	S02	0	2.434	0.449	0.042	488.52	5.34	7.26	0.070	
LV Sub Site Specific Band 3	S03	0	2.434	0.449	0.042	770.19	5.34	7.26	0.070	
LV Sub Site Specific Band 4	S04	0	2.434	0.449	0.042	1328.51	5.34	7.26	0.070	
HV Site Specific No Residual	H00, HST	0	1.183	0.208	0.017	102.26	5.64	7.34	0.030	
HV Site Specific Band 1	365, 367	0	1.183	0.208	0.017	1252.15	5.64	7.34	0.030	
HV Site Specific Band 2	H02	0	1.183	0.208	0.017	3709.74	5.64	7.34	0.030	
HV Site Specific Band 3	H03	0	1.183	0.208	0.017	8155.65	5.64	7.34	0.030	
HV Site Specific Band 4	H04	0	1.183	0.208	0.017	25189.56	5.64	7.34	0.030	
Unmetered Supplies	95, 96, 97, 98, 99	0, 1 or 8	20.482	2.897	2.030					
LV Generation Aggregated	625	0	-4.187	-0.744	-0.087					
LV Sub Generation Aggregated	570	0	-3.468	-0.619	-0.070					
LV Generation Site Specific	571, 573	0	-4.187	-0.744	-0.087				0.132	
LV Generation Site Specific no RP charge	141, 142	0	-4.187	-0.744	-0.087					
LV Sub Generation Site Specific	572, 574	0	-3.468	-0.619	-0.070				0.101	
LV Sub Generation Site Specific no RP charge	143, 144	0	-3.468	-0.619	-0.070					
HV Generation Site Specific	575, 577	0	-1.752	-0.322	-0.030	63.90			0.078	
HV Generation Site Specific no RP charge	145, 146	0	-1.752	-0.322	-0.030	63.90				

Note: Where a tariff only has a p/kWh unit rate in Unit Charge 1 then this unit rate applies at all times.

Annex 2 - Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final EDCM charges

Time Periods for Designated EHV Properties	
Time periods	Super Red Time Band
Monday to Friday Nov to Feb	16:00 to 19:00
Notes	All the above times are in UK Clock time

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Residual Charging Band	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
636	636	1470000533244	933	933	1470000533253	Troughton Farm PV			2.93	2.43	2.43		1220.33	0.05	0.05
637	637	1470001084007				Air Liquide	2		5483.04	0.75	0.75				
702	702	1423197100003	703	703	1430000005417	Tyseley Waste			66.74	0.47	0.47		763.81	0.05	0.05
704	704	1423674500009				Takao Europe	1	3.169	978.22	1.12	1.12				
705	705	1470000097947	750	750	1470000097965	Four Ashes Incinerator			198.32	0.48	0.48		1007.35	0.05	0.05
706	706	1470000077913	751	751	1470000077950	Witches Farm Solar		5.003	23.60	0.71	0.71		833.84	0.05	0.05
707	707	143000001342 1430000001351	708	708	1430000001360 1430000001370	Uni of Birmingham	3		10600.12	1.17	1.17				
709	709	1426644200003				Severn Trent Water (Wvelands)			6053.76	1.54	1.54				
710	710	1425993500002	732	732	1424993500000	Wolverhampton Waste Services	1	3.271	188.61	0.55	0.55				
711	711	1421696500001 1430000000906	733	733	1430000000915 1430000000924	Stoke CHP	2		3003.37	0.62	0.62				
712	712	1428483000001 1429586500003				WBB Minerals	1		1237.90	0.61	0.61				
713	713	1422804000005				Cauldon Cement	3		9005.90	1.64	1.64				
714	714	1412791203000				Abson Gas Compressor Station	2	0.511	3004.88	0.50	0.50				
715	715	1422108000000				Ervin Amasteel	2		6543.75	0.47	0.47				
716	716	1426793500003	734	734	1425793500001	Hanford Waste Services			24.25	1.51	1.51				
717	717	1422664500000 1425861000001	735	735	1430000033051 1430000033060	NR Kidsgrove	2		11761.21	1.04	1.04				
718	718	1421664500008 1426342000002	736	736	1430000033098	NR Stafford	3		11172.08	1.09	1.09				
719	719	1423124100000 1428564500005	741	741	1430000033070 1430000044090	NR Washwood Heath	2		4438.87	0.96	0.96				
720	720	1420286500000	737	737	1430000033121	NR Winson Green	3		9830.06	1.46	1.46				
721	721	1423566000006	738	738	1430000033089	NR Smethwick	3		15316.16	0.71	0.71				
722	722	1424136000004	739	739	1430000033112	NR Willenhall	2		3948.06	0.69	0.69				
723	723	1460002083346 1430000027786 1430000027795 1430000027800 1430000027810 1430000027829 1430000027838 1430000027847 1430000027856	748	748	1460002083355	Northwick AD			46.53	0.53	0.53		930.60	0.05	0.05
724	724					Inco Alloys	3	2.706	9258.74	1.26	1.26				
725	725	1460002258662	749	749	1460002258671	Swancote	1		514.14	0.64	0.64	-0.165	833.41	0.05	0.05
726	726	1460002256025	752	752	1460002256034	Spring Hill Solar generation			1.74	0.73	0.73		174.20	0.05	0.05
727	727	1460001869731 1460001869750				NG Womington Gas Compressor	3		11932.48	0.84	0.84				
728	728	1470000086156	753	753	1470000086147	Greenfrog STOR generation	1		481.42	0.62	0.62		173.34	0.05	0.05
729	729	1470000223432	754	754	1470000223441	Union Road	2		3463.59	0.47	0.47		2123.86	0.05	0.05
730	730	1423464500000 1429264500000	731	731	1421464500007 1422464500009	Quatt	2	9.178	2945.20	1.11	1.11				
740	740	1425886500002	746	746	1426886500004	Knypersley	1	0.190	479.41	0.77	0.77				
742	742	1429414500005				Simplex	1		808.93	1.99	1.99				
743	743	1470000174885				Northwick STOR sub supply	1		654.77	0.86	0.86				
744	744	1428882200005	915	915	1470000469625	Star Aluminium	3		8615.01	0.92	0.92		27.07	0.05	0.05
770	770	1470000190520	755	755	1470000190530	Battlefield Incinerator			124.46	0.62	0.62	-0.165	862.32	0.05	0.05
771	771	1470000275547	756	756	1470000275556	Says Court Farm PV		0.454	1.15	2.16	2.16		865.97	0.05	0.05
772	772	1470000283681	757	757	1470000283690	Hayford Fm PV Emdedded 2			2.95	0.89	0.89		481.75	0.05	0.05
773	773	1470000303901	758	758	1470000303910	Rotherdale Solar Farm	1		480.00	0.49	0.49		174.77	0.05	0.05
774	774	1470000406449	759	759	1470000406430	Lower Newton Solar Farm			6.54	0.89	0.89		1177.82	0.05	0.05
775	775	1470000416794	760	760	1470000416800	Wrockwardine Solar Farm			1.47	0.78	0.78		92.08	0.05	0.05
776	776	1470000425530	761	761	1470000425549	Condover Solar Farm	1		507.13	0.97	0.97		3537.04	0.05	0.05
777	777	1470000426125	762	762	1470000426134	Tower Hill Farm PV	1	0.451	491.29	0.66	0.66		1121.25	0.05	0.05
778	778	1470000429766	763	763	1470000429775	Hill House Farm Solar		0.454	3.86	2.16	2.16		3132.82	0.05	0.05
779	779	1470000430089	764	764	1470000430103	Pitchford Farm Solar			21.55	0.98	0.98		3232.04	0.05	0.05
780	780	1470000437749	765	765	1470000437758	Sundorne Solar Park			15.22	0.67	0.67		517.51	0.05	0.05
781	781	1470000473756	766	766	1470000473765	Hartlebury EPV		4.958	548.33	0.53	0.53	-5.108	3427.09	0.05	0.05
782	782	1470000478727	767	767	1470000478736	Upper Huntingford PV		0.455	2.80	0.78	0.78		460.66	0.05	0.05
783	783	1470000479190	768	768	1470000479206	Ring O Bells Solar	1	0.448	487.12	0.78	0.78		829.26	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.



**Annex 2 - Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).**

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Residual Charging Band	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
New Import 33	New Import 33	New Import 33	New Export 33	New Export 33	New Export 33	Locquiers Farm Plump Hill PV		3.959	99.28	1.37	1.37		3971.35	0.05	0.05
New Import 34	New Import 34	New Import 34	New Export 34	New Export 34	New Export 34	Longney Estate			8.27	2.81	2.81		7035.45	0.05	0.05
New Import 35	New Import 35	New Import 35	New Export 35	New Export 35	New Export 35	Maisemore Court Farm PV			58.02	3.19	3.19		5790.34	0.05	0.05
New Import 36	New Import 36	New Import 36	New Export 36	New Export 36	New Export 36	Maybrook Road			28.51	0.73	0.73		1206.77	0.05	0.05
New Import 37	New Import 37	New Import 37	New Export 37	New Export 37	New Export 37	Meadow Solar Farm							3778.65	0.05	0.05
New Import 38	New Import 38	New Import 38	New Export 38	New Export 38	New Export 38	Milton End Solar Farm			6.58	3.19	3.19		3281.95	0.05	0.05
New Import 39	New Import 39	New Import 39	New Export 39	New Export 39	New Export 39	Murrells End Farm PV			33.65	2.81	2.81		2243.06	0.05	0.05
New Import 40	New Import 40	New Import 40	New Export 40	New Export 40	New Export 40	Noken Solar Farm		4.935	26.78	0.84	0.84		2249.92	0.05	0.05
New Import 41	New Import 41	New Import 41	New Export 41	New Export 41	New Export 41	Norchard Farm Crossway Green PV		4.944	57.10	1.79	1.79		1427.49	0.05	0.05
New Import 42	New Import 42	New Import 42	New Export 42	New Export 42	New Export 42	Peninsula Land Awre Newnham ESS & PV			1635.09	2.87	2.87	-2.764	3270.18	0.05	0.05
New Import 43	New Import 43	New Import 43	New Export 43	New Export 43	New Export 43	Peplow			601.42	0.78	0.78		60749.78	0.05	0.05
New Import 44	New Import 44	New Import 44	New Export 44	New Export 44	New Export 44	Papwell Battery & PV		4.931	210.24	0.73	0.73	-5.108	840.98	0.05	0.05
New Import 45	New Import 45	New Import 45	New Export 45	New Export 45	New Export 45	Perseverance Old School Lane		2.691	194.16	0.69	0.69	-2.764	679.57	0.05	0.05
New Import 46	New Import 46	New Import 46	New Export 46	New Export 46	New Export 46	Ploddy House Farm			30.30	2.81	2.81		2019.78	0.05	0.05
New Import 47	New Import 47	New Import 47	New Export 47	New Export 47	New Export 47	Pontrilas Sawmill	1	5.202	735.17	2.11	2.11				
New Import 48	New Import 48	New Import 48	New Export 48	New Export 48	New Export 48	Radbroke Pastures PV			1.73	0.86	0.86		1733.58	0.05	0.05
New Import 49	New Import 49	New Import 49	New Export 49	New Export 49	New Export 49	Rag Lane Solar (40MW)		0.452	34.75	0.92	0.92		6950.70	0.05	0.05
New Import 50	New Import 50	New Import 50	New Export 50	New Export 50	New Export 50	Rag Lane Solar		0.452	39.11	1.37	1.37		7822.05	0.05	0.05
New Import 51	New Import 51	New Import 51	New Export 51	New Export 51	New Export 51	Rag Lane Solar, Wotton-Under-Edge		0.452	103.13	0.84	0.84		15469.81	0.05	0.05
New Import 52	New Import 52	New Import 52	New Export 52	New Export 52	New Export 52	Ryall			15.72	2.81	2.81		1961.61	0.05	0.05
New Import 53	New Import 53	New Import 53	New Export 53	New Export 53	New Export 53	Sanigar Farm 2 ESS & PV			3731.62	0.92	0.92	-0.473	3731.62	0.05	0.05
New Import 54	New Import 54	New Import 54	New Export 54	New Export 54	New Export 54	Sanigar Farm ESS & PV			1768.86	0.92	0.92	-0.473	1768.86	0.05	0.05
New Import 55	New Import 55	New Import 55	New Export 55	New Export 55	New Export 55	Sinclair Wks Gas Gen	4		44199.28	0.82	0.82	-0.165	167.51	0.05	0.05
New Import 56	New Import 56	New Import 56	New Export 56	New Export 56	New Export 56	Stratford Road Gas			24.18	0.69	0.69		849.55	0.05	0.05
New Import 57	New Import 57	New Import 57	New Export 57	New Export 57	New Export 57	Westhild Farm PV		4.935	75.30	1.37	1.37		9322.90	0.05	0.05
New Import 58	New Import 58	New Import 58	New Export 58	New Export 58	New Export 58	White End Ashleworth ESS & PV			205.44	2.87	2.87	-2.764	376.65	0.05	0.05
New Import 59	New Import 59	New Import 59	New Export 59	New Export 59	New Export 59	Whitehouse farm BESS			1336.18	4.16	4.16	-5.108	1336.18	0.05	0.05
New Import 60	New Import 60	New Import 60	New Export 60	New Export 60	New Export 60	Woodlands Farm Berkeley ESS & PV			1327.07	1.24	1.24	-0.473	2211.79	0.05	0.05
New Import 61	New Import 61	New Import 61	New Export 61	New Export 61	New Export 61	Worcester Solar Battery Storage Tibberton ESS & PV		4.931	510.02	0.90	0.90	-5.108	2185.78	0.05	0.05
New Import 62	New Import 62	New Import 62	New Export 62	New Export 62	New Export 62	Worlds End PV			89.53	1.18	1.18		2978.48	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final EDCM import charges**

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Name	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)
636	636	1470000533244	Troughton Farm PV		2.93	2.43	2.43
637	637	1470001084007	Air Liquide		5,483.04	0.75	0.75
702	702	1423197100003	Tyseley Waste		66.74	0.47	0.47
704	704	1423674500009	Takao Europe	3.169	978.22	1.12	1.12
705	705	1470000097947	Four Ashes Incinerator		198.32	0.48	0.48
706	706	1470000077913	Witches Farm Solar	5.003	23.60	0.71	0.71
707	707	1430000001342 1430000001351	Uni of Birmingham		10,600.12	1.17	1.17
709	709	1426644200003	Severn Trent Water (Wyelands)	3.271	6,053.76	1.54	1.54
710	710	1425993500002	Wolverhampton Waste Services		188.61	0.55	0.55
711	711	1421696500001 1430000000906	Stoke CHP		3,003.37	0.62	0.62
712	712	1428483000001 1429586500003	WBB Minerals		1,237.90	0.61	0.61
713	713	1422804000005	Cauldon Cement		9,005.90	1.64	1.64
714	714	1412791203000	Abson Gas Compressor Station	0.511	3,004.88	0.50	0.50
715	715	1422108000000	Ervin Amasteel		6,543.75	0.47	0.47
716	716	1426793500003	Hanford Waste Services		24.25	1.51	1.51
717	717	1422664500000 1425861000001	NR Kidsgrove		11,761.21	1.04	1.04
718	718	1421664500008 1426342000002	NR Stafford		11,172.08	1.09	1.09
719	719	1423124100000 1428564500005	NR Washwood Heath		4,438.87	0.96	0.96
720	720	1420286500000	NR Winson Green		9,830.06	1.46	1.46
721	721	1423566000006	NR Smethwick		15,316.16	0.71	0.71
722	722	1424136000004	NR Willenhall		3,948.06	0.69	0.69
723	723	1460002083346	Northwick AD		46.53	0.53	0.53
724	724	1430000027786 1430000027795 1430000027800 1430000027810 1430000027829 1430000027838 1430000027847 1430000027856	Inco Alloys	2.706	9,258.74	1.26	1.26
725	725	1460002258662	Swancote		514.14	0.64	0.64

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**Annex 2a** - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Name	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)
726	726	1460002256025	Spring Hill Solar generation		1.74	0.73	0.73
727	727	1460001869731 1460001869750	NG Wormington Gas Compressor		11,932.48	0.84	0.84
728	728	1470000086156	Greenfrog STOR generation		481.42	0.62	0.62
729	729	1470000223432	Union Road		3,463.59	0.47	0.47
730	730	1423464500000 1429264500000	Quatt	9.178	2,945.20	1.11	1.11
740	740	1425886500002	Knypersley	0.190	479.41	0.77	0.77
742	742	1429414500005	Simplex		808.93	1.99	1.99
743	743	1470000174885	Northwick STOR sub supply		654.77	0.86	0.86
744	744	1428882200005	Star Aluminium		8,615.01	0.92	0.92
770	770	1470000190520	Battlefield Incinerator		124.46	0.62	0.62
771	771	1470000275547	Says Court Farm PV	0.454	1.15	2.16	2.16
772	772	1470000283681	Hayford Fm PV Emdeded 2		2.95	0.89	0.89
773	773	1470000303901	Rotherdale Solar Farm		480.00	0.49	0.49
774	774	1470000406449	Lower Newton Solar Farm		6.54	0.89	0.89
775	775	1470000416794	Wrockwardine Solar Farm		1.47	0.78	0.78
776	776	1470000425530	Conover Solar Farm		507.13	0.97	0.97
777	777	1470000426125	Tower Hill Farm PV	0.451	491.29	0.66	0.66
778	778	1470000429766	Hill House Farm Solar	0.454	3.86	2.16	2.16
779	779	1470000430089	Pitchford Farm Solar		21.55	0.98	0.98
780	780	1470000437749	Sundorne Solar Park		15.22	0.67	0.67
781	781	1470000473756	Hartlebury EFW	4.958	548.33	0.53	0.53
782	782	1470000478727	Upper Huntingford PV	0.455	2.80	0.78	0.78
783	783	1470000479190	Ring O Bells Solar	0.448	487.12	0.78	0.78
784	784	1470000501641	Hall Farm PV Awre	2.672	3.48	2.37	2.37
785	785	1470000174928	5 Mile Drive Solar Park		2.60	0.47	0.47
786	786	1470000671023	Green Frog STOR Extension		495.60	0.47	0.47
787	787	1426893200000	Invista Textiles Gas	3.906	3,268.82	0.83	0.83
789	789	1425986500008 1429880000002	GKN Hadley Castle Wks		7,584.03	0.79	0.79
790	790	1470001307916 1470001307961	RBSL GKN Hadley Castle		2,679.45	0.79	0.79
794	794	1470000535881	Wickhamford PV		2.33	1.74	1.74
795	795	1470000540543	Yorkley Wood Farm PV	2.653	484.65	1.71	1.71
796	796	1470000542319	Awbridge Farm Diesel Gen		554.26	0.91	0.91
797	797	1470000542833	Bristol Rd Glos STOR	2.681	1.22	1.37	1.37
798	798	1470000542790	Actrees Farm PV	0.453	17.50	1.08	1.08
799	799	1470000548418	Sheriffhales Farm PV		38.83	0.82	0.82
801	801	1470000552432	Upper Wick Solar Farm	0.437	6.19	0.66	0.66

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**Annex 2a** - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Name	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)
866	866	1470000597061	Astley Solar Farm	4.836	10.66	2.08	2.08
867	867	1470000444133	Hayford Fm PV Emdedded 1		2.72	1.02	1.02
868	868	1470000621946	Sheriffhales CIC PV		4.52	0.63	0.63
869	869	1470000630996	Wolverhampton Power STOR		27.66	0.67	0.67
870	870	1470000641872	Moneystone Quarry PV		34.84	0.54	0.54
871	871	1470000744921	Heywood Grange Farm PV		24.39	0.60	0.60
872	872	1470000668883	Garreg Lwyd Wind Farm	4.912	849.70	0.51	0.51
873	873	1470000711049	Henley Solar Farm PV	4.911	5.53	0.90	0.90
875	875	1470000723569	High Point Solar PV	4.914	4.65	0.66	0.66
876	876	1470000732304	Staunch Standby STOR		20.43	0.89	0.89
877	877	1470000733274	ISIS House STOR		22.31	0.76	0.76
878	878	1470000744940	Heywood Grange Bttry		46.77	0.59	0.59
879	879	1470000745039	Upper Meadowly Farm PV		47.56	0.74	0.74
880	880	1470000857235	Javelin Park EFW		968.17	0.83	0.83
881	881	1470000878068	Rock Farm	4.965	379.81	0.60	0.60
883	883	1470000883192	Hinksford Farm Gas		3.30	1.12	1.12
884	884	1470000934926	Chatterley Whitfield		489.35	0.78	0.78
885	885	1470000937750	Larport Farm BESS	5.036	1,044.50	0.52	0.52
886	886	1470000970872	Sandwell Power STOR		89.65	0.47	0.47
887	887	1470000970890	Wednesbury Power		104.49	0.91	0.91
888	888	1470001204635	Bourne Road (Lower Strensham)		12.13	0.68	0.68
7070	7070	7070	Heartlands Power Ltd / Fort Dunlop		16.64	0.55	0.55
0234	0234	0234	Cellarhead Whitfield Interconnector		43,529.24	1.66	1.66
7337	7337	7337	Sudmeadow Rd STOR	2.741	44.03	0.58	0.58
2226	2226	2226	Cellarhead Barlaston (Meaford) Interconnector		43,529.24	1.23	1.23
7371	7371	7371	Bloxwich ESS		3,291.60	0.47	0.47
New Import 1	New Import 1	New Import 1	Atherstone PV		4.03	0.92	0.92
New Import 2	New Import 2	New Import 2	Awbridge Solar Farm, Trysull		0.23	0.92	0.92
New Import 3	New Import 3	New Import 3	Balladoole Solar A (Roundhill)		18.51	0.92	0.92
New Import 4	New Import 4	New Import 4	Bellamour Lane ESS		549.84	0.52	0.52
New Import 5	New Import 5	New Import 5	Bengrove Farm, Base Lane ESS & PV	2.665	98.47	0.99	0.99
New Import 6	New Import 6	New Import 6	Bishampton Solar PV ANM		48.50	0.92	0.92
New Import 7	New Import 7	New Import 7	Box Farm PV		22.14	2.81	2.81
New Import 8	New Import 8	New Import 8	Cambridge Arms Shepherds Patch ESS		1,328.84	0.92	0.92
New Import 9	New Import 9	New Import 9	Claydon ESS & PV		1,205.34	2.65	2.65
New Import 10	New Import 10	New Import 10	Clelode Rough Upton Road PV		18.34	4.86	4.86
New Import 11	New Import 11	New Import 11	Codrington Road Wapley PV	0.452	10.46	1.37	1.37
New Import 12	New Import 12	New Import 12	Court Lane Alvington PV	2.667	9.22	2.32	2.32
New Import 13	New Import 13	New Import 13	Crimscote Fields Farm ESS & EFW ANM		406.54	0.73	0.73
New Import 14	New Import 14	New Import 14	Croome Airfield Solar Farm		40.97	0.73	0.73

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**Annex 2a** - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Name	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)
New Import 15	New Import 15	New Import 15	Dormington Solar PV	4.935	151.01	0.92	0.92
New Import 16	New Import 16	New Import 16	Dovedale Solar B		7.35	4.48	4.48
New Import 17	New Import 17	New Import 17	Ebley Road ESS		214.24	0.88	0.88
New Import 18	New Import 18	New Import 18	ECT Slimbridge Estate Solar		26.58	1.18	1.18
New Import 19	New Import 19	New Import 19	Forchester Estate Solar Plant PV		29.10	1.56	1.56
New Import 20	New Import 20	New Import 20	Fryers Road Waste Generation option 2		868.69	0.52	0.52
New Import 21	New Import 21	New Import 21	Grange Farm NW & SE Larks Lane Iron Acton ESS		1,899.18	0.92	0.92
New Import 22	New Import 22	New Import 22	Hay Hall Rd		1,108.72	0.95	0.95
New Import 23	New Import 23	New Import 23	Highleadon Solar		9.38	2.81	2.81
New Import 24	New Import 24	New Import 24	Hill Court Solar Farm		1,768.86	0.92	0.92
New Import 25	New Import 25	New Import 25	Hilltop Farm		82.56	0.69	0.69
New Import 26	New Import 26	New Import 26	Home Farm		44.91	0.84	0.84
New Import 27	New Import 27	New Import 27	Howard St		544.88	0.52	0.52
New Import 28	New Import 28	New Import 28	Keele University		282.80	0.50	0.50
New Import 29	New Import 29	New Import 29	Knighton Lane Battery Storage, Knighton		6,472.44	0.55	0.55
New Import 30	New Import 30	New Import 30	Land at Biddlestone Orchards Llangarron ESS & PV		2,008.80	2.56	2.56
New Import 31	New Import 31	New Import 31	Land off, Kingstone Road, Slimbridge		2,216.63	0.86	0.86
New Import 32	New Import 32	New Import 32	Henley Hall Squirrel Lane ESS & PV	4.931	2,209.87	0.99	0.99
New Import 33	New Import 33	New Import 33	Locquiers Farm Plump Hill PV	3.959	99.28	1.37	1.37
New Import 34	New Import 34	New Import 34	Longney Estate		8.27	2.81	2.81
New Import 35	New Import 35	New Import 35	Maisemore Court Farm PV		58.02	3.19	3.19
New Import 36	New Import 36	New Import 36	Maybrook Road		28.51	0.73	0.73
New Import 37	New Import 37	New Import 37	Meadow Solar Farm				
New Import 38	New Import 38	New Import 38	Milton End Solar Farm		6.58	3.19	3.19
New Import 39	New Import 39	New Import 39	Murrells End Farm PV		33.65	2.81	2.81
New Import 40	New Import 40	New Import 40	Noken Solar Farm	4.935	26.78	0.84	0.84
New Import 41	New Import 41	New Import 41	Norchard Farm Crossway Green PV	4.944	57.10	1.79	1.79
New Import 42	New Import 42	New Import 42	Peninsula Land Awre Newnham ESS & PV		1,635.09	2.87	2.87
New Import 43	New Import 43	New Import 43	Peplow		601.42	0.78	0.78
New Import 44	New Import 44	New Import 44	Pepwell Battery & PV	4.931	210.24	0.73	0.73
New Import 45	New Import 45	New Import 45	Perseverance Old School Lane	2.691	194.16	0.69	0.69
New Import 46	New Import 46	New Import 46	Ploddy House Farm		30.30	2.81	2.81
New Import 47	New Import 47	New Import 47	Pontrilas Sawmill	5.202	735.17	2.11	2.11
New Import 48	New Import 48	New Import 48	Radbrooke Pastures PV		1.73	0.86	0.86
New Import 49	New Import 49	New Import 49	Rag Lane Solar (40MW)	0.452	34.75	0.92	0.92
New Import 50	New Import 50	New Import 50	Rag Lane Solar	0.452	39.11	1.37	1.37
New Import 51	New Import 51	New Import 51	Rag Lane Solar, Wotton-Under-Edge	0.452	103.13	0.84	0.84
New Import 52	New Import 52	New Import 52	Ryall		15.72	2.81	2.81
New Import 53	New Import 53	New Import 53	Sanigar Farm 2 ESS & PV		3,731.62	0.92	0.92
New Import 54	New Import 54	New Import 54	Sanigar Farm ESS & PV		1,768.86	0.92	0.92

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**Annex 2a** - Schedule of Import Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Import Unique Identifier	LLFC	Import MPANs/MSIDs	Name	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)
New Import 55	New Import 55	New Import 55	Sinclair Wks Gas Gen		44,199.28	0.82	0.82
New Import 56	New Import 56	New Import 56	Stratford Road Gas		24.18	0.69	0.69
New Import 57	New Import 57	New Import 57	Westhide Farm PV	4.935	75.30	1.37	1.37
New Import 58	New Import 58	New Import 58	White End Ashleworth ESS & PV		205.44	2.87	2.87
New Import 59	New Import 59	New Import 59	Whitehouse farm BESS		1,336.18	4.16	4.16
New Import 60	New Import 60	New Import 60	Woodlands Farm Berkeley ESS & PV		1,327.07	1.24	1.24
New Import 61	New Import 61	New Import 61	Worcester Solar Battery Storage Tibberton ESS & PV	4.931	510.02	0.90	0.90
New Import 62	New Import 62	New Import 62	Worlds End PV		89.53	1.18	1.18

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final EDCM export charges**

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
933	933	1470000533253	Troughton Farm PV		1,220.33	0.05	0.05
703	703	1430000005417	Tyseley Waste		763.81	0.05	0.05
750	750	1470000097965	Four Ashes Incinerator		1,007.35	0.05	0.05
751	751	1470000077950	Witches Farm Solar		833.84	0.05	0.05
708	708	1430000001360 1430000001370	Uni of Birmingham				
732	732	1424993500000	Wolverhampton Waste Services				
733	733	1430000000915 1430000000924	Stoke CHP				
734	734	1425793500001	Hanford Waste Services				
735	735	1430000033051 1430000033060	NR Kidsgrove				
736	736	1430000033098	NR Stafford				
741	741	1430000033070 1430000044090	NR Washwood Heath				
737	737	1430000033121	NR Winson Green				
738	738	1430000033089	NR Smethwick				
739	739	1430000033112	NR Willenhall				
748	748	1460002083355	Northwick AD		930.60	0.05	0.05
749	749	1460002258671	Swancote	-0.165	833.41	0.05	0.05
752	752	1460002256034	Spring Hill Solar generation		174.20	0.05	0.05
753	753	1470000086147	Greenfrog STOR generation		173.34	0.05	0.05
754	754	1470000223441	Union Road		2,123.86	0.05	0.05
731	731	1421464500007 1422464500009	Quatt				
746	746	1426886500004	Knypersley				
915	915	1470000469625	Star Aluminium		27.07	0.05	0.05
755	755	1470000190530	Battlefield Incinerator	-0.165	862.32	0.05	0.05
756	756	1470000275556	Says Court Farm PV		865.97	0.05	0.05
757	757	1470000283690	Hayford Fm PV Emdedded 2		481.75	0.05	0.05
758	758	1470000303910	Rotherdale Solar Farm		174.77	0.05	0.05
759	759	1470000406430	Lower Newton Solar Farm		1,177.82	0.05	0.05
760	760	1470000416800	Wrockwardine Solar Farm		92.08	0.05	0.05
761	761	1470000425549	Condover Solar Farm		3,537.04	0.05	0.05
762	762	1470000426134	Tower Hill Farm PV		1,121.25	0.05	0.05
763	763	1470000429775	Hill House Farm Solar		3,132.82	0.05	0.05
764	764	1470000430103	Pitchford Farm Solar		3,232.04	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**Annex 2b** - Schedule of Export Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
765	765	1470000437758	Sundorne Solar Park		517.51	0.05	0.05
766	766	1470000473765	Hartlebury EFW	-5.108	3,427.09	0.05	0.05
767	767	1470000478736	Upper Huntingford PV		460.66	0.05	0.05
768	768	1470000479206	Ring O Bells Solar		829.26	0.05	0.05
769	769	1470000501650	Hall Farm PV Awre		1,159.76	0.05	0.05
805	805	1470000174900	5 Mile Drive Solar Park		173.34	0.05	0.05
806	806	1470000671032	Green Frog STOR Extension		159.16	0.05	0.05
807	807	1470000965881	Invista Textiles Gas	-2.764	5.10	0.05	0.05
815	815	1470000535890	Wickhamford PV		1,129.88	0.05	0.05
816	816	1470000540552	Yorkley Wood Farm PV		582.33	0.05	0.05
817	817	1470000542328	Awbridge Farm Diesel Gen		2,320.86	0.05	0.05
818	818	1470000542842	Bristol Rd Glos STOR	-2.764	976.61	0.05	0.05
819	819	1470000542806	Actrees Farm PV		3,937.52	0.05	0.05
820	820	1470000548427	Sheriffhales Farm PV		5,319.05	0.05	0.05
821	821	1470000552441	Upper Wick Solar Farm		519.62	0.05	0.05
824	824	1470000597070	Astley Solar Farm		593.08	0.05	0.05
825	825	1470000444142	Hayford Fm PV Emdeded 1		404.69	0.05	0.05
826	826	1470000621955	Sheriffhales CIC PV		443.35	0.05	0.05
827	827	1470000631002	Wolverhampton Power STOR		1,433.38	0.05	0.05
828	828	1470000641881	Moneystone Quarry PV		916.29	0.05	0.05
829	829	1470000744930	Heywood Grange Farm PV		1,274.14	0.05	0.05
830	830	1470000668892	Garreg Lwyd Wind Farm		35,413.38	0.05	0.05
831	831	1470000711058	Henley Solar Farm PV		442.34	0.05	0.05
833	833	1470000723578	High Point Solar PV		443.22	0.05	0.05
834	834	1470000732313	Staunch Standby STOR		817.12	0.05	0.05
835	835	1470000733283	ISIS House STOR		2,231.10	0.05	0.05
836	836	1470000744959	Heywood Grange Bttry		46.77	0.05	0.05
837	837	1470000745048	Upper Meadowly Farm PV		2,972.22	0.05	0.05
838	838	1470000857244	Javelin Park EFW	-0.473	5,324.95	0.05	0.05
839	839	1470000878086	Rock Farm	-5.108	379.81	0.05	0.05
841	841	1470000883208	Hinksford Farm Gas		659.14	0.05	0.05
7413	7413	7413	Chatterley Whitfield	-0.194	514.90	0.05	0.05
843	843	1470000937769	Larport Farm BESS	-5.108	1,044.50	0.05	0.05
844	844	1470000970881	Sandwell Power STOR		2,809.90	0.05	0.05
845	845	1470000970906	Wednesbury Power		3,262.68	0.05	0.05
846	846	1470001204644	Bourne Road (Lower Strensham)		3,032.83	0.05	0.05
745	745	1430000021836	Redditch Gas Turbine				
7070	7070	7070	Heartlands Power Ltd / Fort Dunlop		956.90	0.05	0.05
7338	7338	7338	Sudmeadow Rd STOR	-2.764	1,225.77	0.05	0.05
7375	7375	7375	Bloxwich ESS		3,291.60	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

**Annex 2b** - Schedule of Export Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
New Export 1	New Export 1	New Export 1	Atherstone PV		1,047.19	0.05	0.05
New Export 2	New Export 2	New Export 2	Awbridge Solar Farm, Trysull		93.32	0.05	0.05
New Export 3	New Export 3	New Export 3	Balladoole Solar A (Roundhill)		3,694.99	0.05	0.05
New Export 4	New Export 4	New Export 4	Bellamour Lane ESS		539.92	0.05	0.05
New Export 5	New Export 5	New Export 5	Bengrove Farm, Base Lane ESS & PV	-2.764	1,477.09	0.05	0.05
New Export 6	New Export 6	New Export 6	Bishampton Solar PV ANM		2,910.30	0.05	0.05
New Export 7	New Export 7	New Export 7	Box Farm PV		2,254.57	0.05	0.05
New Export 8	New Export 8	New Export 8	Cambridge Arms Shepherds Patch ESS	-0.473	1,328.84	0.05	0.05
New Export 9	New Export 9	New Export 9	Claydon ESS & PV	-2.764	6,014.63	0.05	0.05
New Export 10	New Export 10	New Export 10	Clevelode Rough Upton Road PV		3,660.58	0.05	0.05
New Export 11	New Export 11	New Export 11	Codrington Road Wapley PV		1,046.29	0.05	0.05
New Export 12	New Export 12	New Export 12	Court Lane Alvington PV		2,763.22	0.05	0.05
New Export 13	New Export 13	New Export 13	Crimscote Fields Farm ESS & EFW ANM		5,420.54	0.05	0.05
New Export 14	New Export 14	New Export 14	Croome Airfield Solar Farm		6,691.50	0.05	0.05
New Export 15	New Export 15	New Export 15	Dormington Solar PV		2,041.72	0.05	0.05
New Export 16	New Export 16	New Export 16	Dovedale Solar B		1,466.54	0.05	0.05
New Export 17	New Export 17	New Export 17	Ebley Road ESS	-0.473	428.47	0.05	0.05
New Export 18	New Export 18	New Export 18	ECT Slimbridge Estate Solar		1,063.18	0.05	0.05
New Export 19	New Export 19	New Export 19	Forcheater Estate Solar Plant PV		5,819.26	0.05	0.05
New Export 20	New Export 20	New Export 20	Fryers Road Waste Generation option 2		4,517.19	0.05	0.05
New Export 21	New Export 21	New Export 21	Grange Farm NW & SE Larks Lane Iron Acton ESS	-0.473	1,899.18	0.05	0.05
New Export 22	New Export 22	New Export 22	Hay Hall Rd		5,358.82	0.05	0.05
New Export 23	New Export 23	New Export 23	Highleadon Solar		1,871.68	0.05	0.05
New Export 24	New Export 24	New Export 24	Hill Court Solar Farm	-0.473	1,768.86	0.05	0.05
New Export 25	New Export 25	New Export 25	Hilltop Farm		910.87	0.05	0.05
New Export 26	New Export 26	New Export 26	Home Farm		4,491.16	0.05	0.05
New Export 27	New Export 27	New Export 27	Howard St		544.88	0.05	0.05
New Export 28	New Export 28	New Export 28	Keele University		631.58	0.05	0.05
New Export 29	New Export 29	New Export 29	Knighton Lane Battery Storage, Knighton		6,472.44	0.05	0.05
New Export 30	New Export 30	New Export 30	Land at Biddlestone Orchards Llangarron ESS & PV	-2.764	2,008.80	0.05	0.05
New Export 31	New Export 31	New Export 31	Land off, Kingstone Road, Slimbridge	-0.473	2,216.63	0.05	0.05
New Export 32	New Export 32	New Export 32	Henley Hall Squirrel Lane ESS & PV	-5.108	2,651.85	0.05	0.05
New Export 33	New Export 33	New Export 33	Locquiers Farm Plump Hill PV		3,971.35	0.05	0.05
New Export 34	New Export 34	New Export 34	Longney Estate		7,035.45	0.05	0.05
New Export 35	New Export 35	New Export 35	Maisemore Court Farm PV		5,790.34	0.05	0.05
New Export 36	New Export 36	New Export 36	Maybrook Road		1,206.77	0.05	0.05
New Export 37	New Export 37	New Export 37	Meadow Solar Farm		3,778.65	0.05	0.05
New Export 38	New Export 38	New Export 38	Milton End Solar Farm		3,281.95	0.05	0.05
New Export 39	New Export 39	New Export 39	Murrells End Farm PV		2,243.06	0.05	0.05
New Export 40	New Export 40	New Export 40	Noken Solar Farm		2,249.92	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.



**Annex 2b** - Schedule of Export Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).

Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
New Export 41	New Export 41	New Export 41	Norchard Farm Crossway Green PV		1,427.49	0.05	0.05
New Export 42	New Export 42	New Export 42	Peninsula Land Awre Newnham ESS & PV	-2.764	3,270.18	0.05	0.05
New Export 43	New Export 43	New Export 43	Peplow		60,749.78	0.05	0.05
New Export 44	New Export 44	New Export 44	Pepwell Battery & PV	-5.108	840.98	0.05	0.05
New Export 45	New Export 45	New Export 45	Perseverance Old School Lane	-2.764	679.57	0.05	0.05
New Export 46	New Export 46	New Export 46	Ploddy House Farm		2,019.78	0.05	0.05
New Export 47	New Export 47	New Export 47	Pontrilas Sawmill				
New Export 48	New Export 48	New Export 48	Radbrooke Pastures PV		1,733.58	0.05	0.05
New Export 49	New Export 49	New Export 49	Rag Lane Solar (40MW)		6,950.70	0.05	0.05
New Export 50	New Export 50	New Export 50	Rag Lane Solar		7,822.05	0.05	0.05
New Export 51	New Export 51	New Export 51	Rag Lane Solar, Wotton-Under-Edge		15,469.81	0.05	0.05
New Export 52	New Export 52	New Export 52	Ryall		1,961.61	0.05	0.05
New Export 53	New Export 53	New Export 53	Sanigar Farm 2 ESS & PV	-0.473	3,731.62	0.05	0.05
New Export 54	New Export 54	New Export 54	Sanigar Farm ESS & PV	-0.473	1,768.86	0.05	0.05
New Export 55	New Export 55	New Export 55	Sinclair Wks Gas Gen	-0.165	167.51	0.05	0.05
New Export 56	New Export 56	New Export 56	Stratford Road Gas		849.55	0.05	0.05
New Export 57	New Export 57	New Export 57	Westhide Farm PV		9,322.90	0.05	0.05
New Export 58	New Export 58	New Export 58	White End Ashleworth ESS & PV	-2.764	376.65	0.05	0.05
New Export 59	New Export 59	New Export 59	Whitehouse farm BESS	-5.108	1,336.18	0.05	0.05
New Export 60	New Export 60	New Export 60	Woodlands Farm Berkeley ESS & PV	-0.473	2,211.79	0.05	0.05
New Export 61	New Export 61	New Export 61	Worcester Solar Battery Storage Tibberton ESS & PV	-5.108	2,185.78	0.05	0.05
New Export 62	New Export 62	New Export 62	Worlds End PV		2,978.48	0.05	0.05

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

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

National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final LV and HV tariffs									
Supercustomer preserved charges/additional LLFCs									
	Closed LLFCs	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day			
Notes:	[Add DNO specific notes relevant to charges]								

Site Specific preserved charges/additional LLFCs									
	Closed LLFCs	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
		0							
Notes:	<b>Time periods</b> [Add DNO specific notes relevant to charges] Unit charges in the red time band apply – between [xx:xx] and [xx:xx], Monday to Friday including bank holidays. Unit charges in the amber time band apply – between [xx:xx] and [xx:xx], Monday to Friday including bank holidays. Unit charges in the green time band apply – between [xx:xx] and [xx:xx], Monday to Friday including bank holidays, and [xx:xx] and [xx:xx] Saturday and Sunday. All times are UK clock-time. [Add DNO specific notes]								



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

## National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final LDNO tariffs

Time Bands for LV and HV Designated Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
Notes	All the above times are in UK Clock time		

Time Bands for Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday Nov to Feb	16:00 to 19:00	07:30 to 16:00 19:00 to 21:00	00:00 to 07:30 21:00 to 24:00
Monday to Friday Mar to Oct		07:30 to 21:00	00:00 to 07:30 21:00 to 24:00
Weekends			00:00 to 24:00
Notes	All the above times are in UK Clock time		

Tariff name	Unique billing identifier	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO LV: Domestic Aggregated with Residual		0, 1, 2	4.341	0.771	0.091	12.37			
LDNO LV: Domestic Aggregated (Related MPAN)		2	4.341	0.771	0.091				
LDNO LV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	4.024	0.715	0.084	6.95			
LDNO LV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	4.024	0.715	0.084	9.53			
LDNO LV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	4.024	0.715	0.084	19.80			
LDNO LV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	4.024	0.715	0.084	37.67			
LDNO LV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	4.024	0.715	0.084	108.67			
LDNO LV: Non-Domestic Aggregated (related MPAN)		4	4.024	0.715	0.084				
LDNO LV: LV Site Specific No Residual		0	3.142	0.563	0.063	9.54	3.26	5.73	0.076
LDNO LV: LV Site Specific Band 1		0	3.142	0.563	0.063	177.85	3.26	5.73	0.076
LDNO LV: LV Site Specific Band 2		0	3.142	0.563	0.063	325.58	3.26	5.73	0.076
LDNO LV: LV Site Specific Band 3		0	3.142	0.563	0.063	512.09	3.26	5.73	0.076
LDNO LV: LV Site Specific Band 4		0	3.142	0.563	0.063	881.78	3.26	5.73	0.076
LDNO LV: Unmetered Supplies		0, 1 or 8	13.562	1.918	1.344				
LDNO LV: LV Generation Aggregated		0	-4.187	-0.744	-0.087	0.00			
LDNO LV: LV Generation Site Specific		0	-4.187	-0.744	-0.087	0.00			0.132
LDNO HV: Domestic Aggregated with Residual		0, 1, 2	3.374	0.599	0.071	10.23			
LDNO HV: Domestic Aggregated (Related MPAN)		2	3.374	0.599	0.071				
LDNO HV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	3.128	0.556	0.065	5.43			
LDNO HV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	3.128	0.556	0.065	7.44			
LDNO HV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	3.128	0.556	0.065	15.43			
LDNO HV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	3.128	0.556	0.065	29.31			
LDNO HV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	3.128	0.556	0.065	84.51			
LDNO HV: Non-Domestic Aggregated (related MPAN)		4	3.128	0.556	0.065				
LDNO HV: LV Site Specific No Residual		0	2.442	0.438	0.049	7.45	2.54	4.45	0.059
LDNO HV: LV Site Specific Band 1		0	2.442	0.438	0.049	138.28	2.54	4.45	0.059
LDNO HV: LV Site Specific Band 2		0	2.442	0.438	0.049	253.12	2.54	4.45	0.059
LDNO HV: LV Site Specific Band 3		0	2.442	0.438	0.049	398.10	2.54	4.45	0.059
LDNO HV: LV Site Specific Band 4		0	2.442	0.438	0.049	685.47	2.54	4.45	0.059
LDNO HV: LV Sub Site Specific No Residual		0	1.946	0.359	0.033	9.00	4.27	5.81	0.056
LDNO HV: LV Sub Site Specific Band 1		0	1.946	0.359	0.033	212.16	4.27	5.81	0.056
LDNO HV: LV Sub Site Specific Band 2		0	1.946	0.359	0.033	390.49	4.27	5.81	0.056
LDNO HV: LV Sub Site Specific Band 3		0	1.946	0.359	0.033	615.63	4.27	5.81	0.056
LDNO HV: LV Sub Site Specific Band 4		0	1.946	0.359	0.033	1061.88	4.27	5.81	0.056
LDNO HV: HV Site Specific No Residual		0	1.087	0.191	0.016	93.93	5.18	6.74	0.028
LDNO HV: HV Site Specific Band 1		0	1.087	0.191	0.016	1149.99	5.18	6.74	0.028
LDNO HV: HV Site Specific Band 2		0	1.087	0.191	0.016	3407.02	5.18	6.74	0.028
LDNO HV: HV Site Specific Band 3		0	1.087	0.191	0.016	7490.14	5.18	6.74	0.028
LDNO HV: HV Site Specific Band 4		0	1.087	0.191	0.016	23134.03	5.18	6.74	0.028
LDNO HV: Unmetered Supplies		0, 1 or 8	10.542	1.491	1.045				
LDNO HV: LV Generation Aggregated		0	-4.187	-0.744	-0.087	0.00			
LDNO HV: LV Sub Generation Aggregated		0	-3.468	-0.619	-0.070	0.00			
LDNO HV: LV Generation Site Specific		0	-4.187	-0.744	-0.087	0.00			0.132
LDNO HV: LV Sub Generation Site Specific		0	-3.468	-0.619	-0.070	0.00			0.101
LDNO HV: HV Generation Site Specific		0	-1.752	-0.322	-0.030	0.00			0.078
LDNO HVplus: Domestic Aggregated with Residual		0, 1, 2	2.688	0.477	0.056	8.72			
LDNO HVplus: Domestic Aggregated (Related MPAN)		2	2.688	0.477	0.056				
LDNO HVplus: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	2.492	0.443	0.052	4.36			
LDNO HVplus: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	2.492	0.443	0.052	5.96			
LDNO HVplus: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	2.492	0.443	0.052	12.32			
LDNO HVplus: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	2.492	0.443	0.052	23.38			
LDNO HVplus: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	2.492	0.443	0.052	67.35			
LDNO HVplus: Non-Domestic Aggregated (related MPAN)		4	2.492	0.443	0.052				
LDNO HVplus: LV Site Specific No Residual		0	1.946	0.349	0.039	5.96	2.02	3.55	0.047
LDNO HVplus: LV Site Specific Band 1		0	1.946	0.349	0.039	110.19	2.02	3.55	0.047
LDNO HVplus: LV Site Specific Band 2		0	1.946	0.349	0.039	201.66	2.02	3.55	0.047
LDNO HVplus: LV Site Specific Band 3		0	1.946	0.349	0.039	317.15	2.02	3.55	0.047
LDNO HVplus: LV Site Specific Band 4		0	1.946	0.349	0.039	546.07	2.02	3.55	0.047
LDNO HVplus: LV Sub Site Specific No Residual		0	1.521	0.280	0.026	7.06	3.34	4.54	0.044

Note: Where a tariff only has a p/kWh unit rate in Unit Charge 1 then this unit rate applies at all times.

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

Tariff name	Unique billing identifier	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO HVplus: LV Sub Site Specific Band 1		0	1.521	0.280	0.026	165.84	3.34	4.54	0.044
LDNO HVplus: LV Sub Site Specific Band 2		0	1.521	0.280	0.026	305.21	3.34	4.54	0.044
LDNO HVplus: LV Sub Site Specific Band 3		0	1.521	0.280	0.026	481.16	3.34	4.54	0.044
LDNO HVplus: LV Sub Site Specific Band 4		0	1.521	0.280	0.026	829.91	3.34	4.54	0.044
LDNO HVplus: HV Site Specific No Residual		0	0.842	0.148	0.012	72.86	4.01	5.22	0.022
LDNO HVplus: HV Site Specific Band 1		0	0.842	0.148	0.012	891.61	4.01	5.22	0.022
LDNO HVplus: HV Site Specific Band 2		0	0.842	0.148	0.012	2641.46	4.01	5.22	0.022
LDNO HVplus: HV Site Specific Band 3		0	0.842	0.148	0.012	5807.05	4.01	5.22	0.022
LDNO HVplus: HV Site Specific Band 4		0	0.842	0.148	0.012	17935.58	4.01	5.22	0.022
LDNO HVplus: Unmetered Supplies		0, 1 or 8	8.398	1.188	0.832				
LDNO HVplus: LV Generation Aggregated		0	-2.615	-0.464	-0.055	0.00			
LDNO HVplus: LV Sub Generation Aggregated		0	-2.469	-0.441	-0.050	0.00			
LDNO HVplus: LV Generation Site Specific		0	-2.615	-0.464	-0.055	0.00			0.082
LDNO HVplus: LV Sub Generation Site Specific		0	-2.469	-0.441	-0.050	0.00			0.072
LDNO HVplus: HV Generation Site Specific		0	-1.752	-0.322	-0.030	63.90			0.078
LDNO EHV: Domestic Aggregated with Residual		0, 1, 2	2.171	0.386	0.045	7.58			
LDNO EHV: Domestic Aggregated (Related MPAN)		2	2.171	0.386	0.045				
LDNO EHV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	2.013	0.357	0.042	3.55			
LDNO EHV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	2.013	0.357	0.042	4.84			
LDNO EHV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	2.013	0.357	0.042	9.98			
LDNO EHV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	2.013	0.357	0.042	18.92			
LDNO EHV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	2.013	0.357	0.042	54.43			
LDNO EHV: Non-Domestic Aggregated (related MPAN)		4	2.013	0.357	0.042				
LDNO EHV: LV Site Specific No Residual		0	1.572	0.282	0.031	4.85	1.63	2.86	0.038
LDNO EHV: LV Site Specific Band 1		0	1.572	0.282	0.031	89.04	1.63	2.86	0.038
LDNO EHV: LV Site Specific Band 2		0	1.572	0.282	0.031	162.94	1.63	2.86	0.038
LDNO EHV: LV Site Specific Band 3		0	1.572	0.282	0.031	256.23	1.63	2.86	0.038
LDNO EHV: LV Site Specific Band 4		0	1.572	0.282	0.031	441.15	1.63	2.86	0.038
LDNO EHV: LV Sub Site Specific No Residual		0	1.228	0.226	0.021	5.74	2.70	3.67	0.035
LDNO EHV: LV Sub Site Specific Band 1		0	1.228	0.226	0.021	134.00	2.70	3.67	0.035
LDNO EHV: LV Sub Site Specific Band 2		0	1.228	0.226	0.021	246.58	2.70	3.67	0.035
LDNO EHV: LV Sub Site Specific Band 3		0	1.228	0.226	0.021	388.71	2.70	3.67	0.035
LDNO EHV: LV Sub Site Specific Band 4		0	1.228	0.226	0.021	670.44	2.70	3.67	0.035
LDNO EHV: HV Site Specific No Residual		0	0.680	0.120	0.010	58.88	3.24	4.22	0.017
LDNO EHV: HV Site Specific Band 1		0	0.680	0.120	0.010	720.28	3.24	4.22	0.017
LDNO EHV: HV Site Specific Band 2		0	0.680	0.120	0.010	2133.82	3.24	4.22	0.017
LDNO EHV: HV Site Specific Band 3		0	0.680	0.120	0.010	4691.01	3.24	4.22	0.017
LDNO EHV: HV Site Specific Band 4		0	0.680	0.120	0.010	14488.51	3.24	4.22	0.017
LDNO EHV: Unmetered Supplies		0, 1 or 8	6.784	0.960	0.672				
LDNO EHV: LV Generation Aggregated		0	-2.113	-0.375	-0.044	0.00			
LDNO EHV: LV Sub Generation Aggregated		0	-1.994	-0.356	-0.041	0.00			
LDNO EHV: LV Generation Site Specific		0	-2.113	-0.375	-0.044	0.00			0.067
LDNO EHV: LV Sub Generation Site Specific		0	-1.994	-0.356	-0.041	0.00			0.058
LDNO EHV: HV Generation Site Specific		0	-1.415	-0.260	-0.024	51.62			0.063
LDNO 132kV/EHV: Domestic Aggregated with Residual		0, 1, 2	2.081	0.370	0.043	7.38			
LDNO 132kV/EHV: Domestic Aggregated (Related MPAN)		2	2.081	0.370	0.043				
LDNO 132kV/EHV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	1.929	0.343	0.040	3.41			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	1.929	0.343	0.040	4.65			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	1.929	0.343	0.040	9.57			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	1.929	0.343	0.040	18.14			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	1.929	0.343	0.040	52.18			
LDNO 132kV/EHV: Non-Domestic Aggregated (related MPAN)		4	1.929	0.343	0.040				
LDNO 132kV/EHV: LV Site Specific No Residual		0	1.506	0.270	0.030	4.65	1.56	2.75	0.037
LDNO 132kV/EHV: LV Site Specific Band 1		0	1.506	0.270	0.030	85.34	1.56	2.75	0.037
LDNO 132kV/EHV: LV Site Specific Band 2		0	1.506	0.270	0.030	156.16	1.56	2.75	0.037
LDNO 132kV/EHV: LV Site Specific Band 3		0	1.506	0.270	0.030	245.58	1.56	2.75	0.037
LDNO 132kV/EHV: LV Site Specific Band 4		0	1.506	0.270	0.030	422.81	1.56	2.75	0.037
LDNO 132kV/EHV: LV Sub Site Specific No Residual		0	1.177	0.217	0.020	5.50	2.58	3.51	0.034
LDNO 132kV/EHV: LV Sub Site Specific Band 1		0	1.177	0.217	0.020	128.43	2.58	3.51	0.034
LDNO 132kV/EHV: LV Sub Site Specific Band 2		0	1.177	0.217	0.020	236.33	2.58	3.51	0.034
LDNO 132kV/EHV: LV Sub Site Specific Band 3		0	1.177	0.217	0.020	372.55	2.58	3.51	0.034
LDNO 132kV/EHV: LV Sub Site Specific Band 4		0	1.177	0.217	0.020	642.56	2.58	3.51	0.034
LDNO 132kV/EHV: HV Site Specific No Residual		0	0.652	0.115	0.009	56.44	3.11	4.04	0.017
LDNO 132kV/EHV: HV Site Specific Band 1		0	0.652	0.115	0.009	690.32	3.11	4.04	0.017
LDNO 132kV/EHV: HV Site Specific Band 2		0	0.652	0.115	0.009	2045.07	3.11	4.04	0.017
LDNO 132kV/EHV: HV Site Specific Band 3		0	0.652	0.115	0.009	4495.89	3.11	4.04	0.017

Note: Where a tariff only has a p/kWh unit rate in Unit Charge 1 then this unit rate applies at all times.

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

Tariff name	Unique billing identifier	PCs	Red/black unit charge p/kWh	Amber/yellow unit charge p/kWh	Green unit charge p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO 132kV/EHV: HV Site Specific Band 4		0	0.652	0.115	0.009	13885.86	3.11	4.04	0.017
LDNO 132kV/EHV: Unmetered Supplies		0, 1 or 8	6.502	0.920	0.644				
LDNO 132kV/EHV: LV Generation Aggregated		0	-2.025	-0.360	-0.042	0.00			
LDNO 132kV/EHV: LV Sub Generation Aggregated		0	-1.912	-0.341	-0.039	0.00			
LDNO 132kV/EHV: LV Generation Site Specific		0	-2.025	-0.360	-0.042	0.00			0.064
LDNO 132kV/EHV: LV Sub Generation Site Specific		0	-1.912	-0.341	-0.039	0.00			0.056
LDNO 132kV/EHV: HV Generation Site Specific		0	-1.357	-0.249	-0.023	49.47			0.061
LDNO 132kV: Domestic Aggregated with Residual		0, 1, 2	1.362	0.242	0.028	5.79			
LDNO 132kV: Domestic Aggregated (Related MPAN)		2	1.362	0.242	0.028				
LDNO 132kV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	1.263	0.224	0.026	2.29			
LDNO 132kV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	1.263	0.224	0.026	3.10			
LDNO 132kV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	1.263	0.224	0.026	6.32			
LDNO 132kV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	1.263	0.224	0.026	11.93			
LDNO 132kV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	1.263	0.224	0.026	34.21			
LDNO 132kV: Non-Domestic Aggregated (related MPAN)		4	1.263	0.224	0.026				
LDNO 132kV: LV Site Specific No Residual		0	0.986	0.177	0.020	3.10	1.02	1.80	0.024
LDNO 132kV: LV Site Specific Band 1		0	0.986	0.177	0.020	55.93	1.02	1.80	0.024
LDNO 132kV: LV Site Specific Band 2		0	0.986	0.177	0.020	102.29	1.02	1.80	0.024
LDNO 132kV: LV Site Specific Band 3		0	0.986	0.177	0.020	160.83	1.02	1.80	0.024
LDNO 132kV: LV Site Specific Band 4		0	0.986	0.177	0.020	276.87	1.02	1.80	0.024
LDNO 132kV: LV Sub Site Specific No Residual		0	0.771	0.142	0.013	3.66	1.69	2.30	0.022
LDNO 132kV: LV Sub Site Specific Band 1		0	0.771	0.142	0.013	84.14	1.69	2.30	0.022
LDNO 132kV: LV Sub Site Specific Band 2		0	0.771	0.142	0.013	154.78	1.69	2.30	0.022
LDNO 132kV: LV Sub Site Specific Band 3		0	0.771	0.142	0.013	243.96	1.69	2.30	0.022
LDNO 132kV: LV Sub Site Specific Band 4		0	0.771	0.142	0.013	420.74	1.69	2.30	0.022
LDNO 132kV: HV Site Specific No Residual		0	0.427	0.075	0.006	37.01	2.03	2.65	0.011
LDNO 132kV: HV Site Specific Band 1		0	0.427	0.075	0.006	452.01	2.03	2.65	0.011
LDNO 132kV: HV Site Specific Band 2		0	0.427	0.075	0.006	1338.96	2.03	2.65	0.011
LDNO 132kV: HV Site Specific Band 3		0	0.427	0.075	0.006	2943.51	2.03	2.65	0.011
LDNO 132kV: HV Site Specific Band 4		0	0.427	0.075	0.006	9091.12	2.03	2.65	0.011
LDNO 132kV: Unmetered Supplies		0, 1 or 8	4.257	0.602	0.422				
LDNO 132kV: LV Generation Aggregated		0	-1.326	-0.235	-0.028	0.00			
LDNO 132kV: LV Sub Generation Aggregated		0	-1.251	-0.224	-0.025	0.00			
LDNO 132kV: LV Generation Site Specific		0	-1.326	-0.235	-0.028	0.00			0.042
LDNO 132kV: LV Sub Generation Site Specific		0	-1.251	-0.224	-0.025	0.00			0.037
LDNO 132kV: HV Generation Site Specific		0	-0.888	-0.163	-0.015	32.39			0.040
LDNO 0000: Domestic Aggregated with Residual		0, 1, 2	0.285	0.051	0.006	3.41			
LDNO 0000: Domestic Aggregated (Related MPAN)		2	0.285	0.051	0.006				
LDNO 0000: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8	0.264	0.047	0.006	0.60			
LDNO 0000: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8	0.264	0.047	0.006	0.77			
LDNO 0000: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8	0.264	0.047	0.006	1.44			
LDNO 0000: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8	0.264	0.047	0.006	2.62			
LDNO 0000: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8	0.264	0.047	0.006	7.27			
LDNO 0000: Non-Domestic Aggregated (related MPAN)		4	0.264	0.047	0.006				
LDNO 0000: LV Site Specific No Residual		0	0.206	0.037	0.004	0.77	0.21	0.38	0.005
LDNO 0000: LV Site Specific Band 1		0	0.206	0.037	0.004	11.81	0.21	0.38	0.005
LDNO 0000: LV Site Specific Band 2		0	0.206	0.037	0.004	21.49	0.21	0.38	0.005
LDNO 0000: LV Site Specific Band 3		0	0.206	0.037	0.004	33.72	0.21	0.38	0.005
LDNO 0000: LV Site Specific Band 4		0	0.206	0.037	0.004	57.96	0.21	0.38	0.005
LDNO 0000: LV Sub Site Specific No Residual		0	0.161	0.030	0.003	0.89	0.35	0.48	0.005
LDNO 0000: LV Sub Site Specific Band 1		0	0.161	0.030	0.003	17.70	0.35	0.48	0.005
LDNO 0000: LV Sub Site Specific Band 2		0	0.161	0.030	0.003	32.46	0.35	0.48	0.005
LDNO 0000: LV Sub Site Specific Band 3		0	0.161	0.030	0.003	51.09	0.35	0.48	0.005
LDNO 0000: LV Sub Site Specific Band 4		0	0.161	0.030	0.003	88.02	0.35	0.48	0.005
LDNO 0000: HV Site Specific No Residual		0	0.089	0.016	0.001	7.85	0.43	0.55	0.002
LDNO 0000: HV Site Specific Band 1		0	0.089	0.016	0.001	94.55	0.43	0.55	0.002
LDNO 0000: HV Site Specific Band 2		0	0.089	0.016	0.001	279.85	0.43	0.55	0.002
LDNO 0000: HV Site Specific Band 3		0	0.089	0.016	0.001	615.05	0.43	0.55	0.002
LDNO 0000: HV Site Specific Band 4		0	0.089	0.016	0.001	1899.35	0.43	0.55	0.002
LDNO 0000: Unmetered Supplies		0, 1 or 8	0.889	0.126	0.088				
LDNO 0000: LV Generation Aggregated		0	-0.277	-0.049	-0.006	0.00			
LDNO 0000: LV Sub Generation Aggregated		0	-0.261	-0.047	-0.005	0.00			
LDNO 0000: LV Generation Site Specific		0	-0.277	-0.049	-0.006	0.00			0.009
LDNO 0000: LV Sub Generation Site Specific		0	-0.261	-0.047	-0.005	0.00			0.008
LDNO 0000: HV Generation Site Specific		0	-0.186	-0.034	-0.003	6.77			0.008

Note: Where a tariff only has a p/kWh unit rate in Unit Charge 1 then this unit rate applies at all times.

## Annex 5 – Schedule of Line Loss Factors

This table has intentionally been left blank. The line loss factors that are approved by the BSC Panel for the applicable year and consequently published on the Exelon website will take precedence and be used in Settlement. This annex will be re-published once these values are available.

National Grid Electricity Distribution (West Midlands) plc - Illustrative LLFs for year beginning 1 April 2023				
Time periods	Period 1	Period 2	Period 3	Period 4
	Peak	Winter	Night	Other
Monday to Friday Mar to Oct			00:30 – 07:30	07:30 – 00:30
Monday to Friday Nov to Feb	16:00 – 19:00	07:30 – 16:00 19:00 – 20:00	00:30 – 07:30	20:00 – 00:30
Saturday and Sunday All Year			00:30 – 07:30	07:30 – 00:30
Notes	All the above times are in UK Clock time			

Generic demand and generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
132kV connected					
132/EHV connected					
132/HV connected					
EHV connected					
High Voltage Substation					
High Voltage Network					
Low Voltage Substation					
Low Voltage Network					

EHV site specific LLFs					
Demand					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Site 1					
Site 2					
Site 3					
Site 4					
Site 5					

EHV site specific LLFs					
Generation					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Site 1					
Site 2					
Site 3					
Site 4					
Site 5					

**Annex 6 - New Designated EHV Properties. Addendum to Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).**

National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final new designated EHV charges																
Effective from date	Import Unique Identifier	LLFC	Import MPANs/MSIDs	Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Residual Charging Band	Import Super Red unit charge (p/kWh)	Import fixed charge (p/day)	Import capacity charge (p/kVA/day)	Import exceeded capacity charge (p/kVA/day)	Export Super Red unit charge (p/kWh)	Export fixed charge (p/day)	Export capacity charge (p/kVA/day)	Export exceeded capacity charge (p/kVA/day)
	EDCM import 1			EDCM export 1												
	EDCM import 2			EDCM export 2												
	EDCM import 3			EDCM export 3												
	EDCM import 4			EDCM export 4												
	EDCM import 5			EDCM export 5												
	EDCM import 6			EDCM export 6												
	EDCM import 7			EDCM export 7												
	EDCM import 8			EDCM export 8												
	EDCM import 9			EDCM export 9												
	EDCM import 10			EDCM export 10												

National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final new designated EHV line loss factors																
Effective from date	Import Unique Identifier	LLFC	Import MPANs/MSIDs	Export Unique Identifier	LLFC	Export MPANs/MSIDs	Name	Residual Charging Band	Import LLF period 1	Import LLF period 2	Import LLF period 3	Import LLF period 4	Export LLF period 1	Export LLF period 2	Export LLF period 3	Export LLF period 4
	EDCM Import 1			EDCM Export 1												
	EDCM Import 2			EDCM Export 2												
	EDCM Import 3			EDCM Export 3												
	EDCM Import 4			EDCM Export 4												
	EDCM Import 5			EDCM Export 5												
	EDCM Import 6			EDCM Export 6												
	EDCM Import 7			EDCM Export 7												
	EDCM Import 8			EDCM Export 8												
	EDCM Import 9			EDCM Export 9												
	EDCM Import 10			EDCM Export 10												

Note: The list of MPANs / MSIDs provided may be incomplete; the DNO reserves the right to apply the listed charges to any other MPANs / MSIDs associated with the site.

Annex 7 - Schedule of Charges to recover Excess Supplier of Last Resort pass-through costs

**National Grid Electricity Distribution (West Midlands) plc - Effective from 1 April 2023 - Final Supplier of Last Resort and Eligible Bad Debt Pass-Through Costs**

Tariff name	Open LLFCs / LDNO unique billing identifier	PCs	Supplier of Last Resort Fixed charge adder* p/MPAN/day	Excess Supplier of Last Resort Fixed charge adder** p/MPAN/day	Eligible Bad Debt Fixed charge adder*** p/MPAN/day
Domestic Aggregated with Residual	1, 4, 632	0, 1, 2	2.62	0.00	0.16
Domestic Aggregated (Related MPAN)	34	2	0.00	0.00	0.00
Non-Domestic Aggregated No Residual	N10, N20, N30	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 1	7, 10, 21, 19, 633, 322, 323	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 2	N12, N22, N32	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 3	N13, N23, N33	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 4	N14, N24, N34	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated (related MPAN)	40	4			0.00
LV Site Specific No Residual	L00, LST	0			0.16
LV Site Specific Band 1	127, 129	0			0.16
LV Site Specific Band 2	L02	0			0.16
LV Site Specific Band 3	L03	0			0.16
LV Site Specific Band 4	L04	0			0.16
LV Sub Site Specific No Residual	S00, SST	0			0.16
LV Sub Site Specific Band 1	128	0			0.16
LV Sub Site Specific Band 2	S02	0			0.16
LV Sub Site Specific Band 3	S03	0			0.16
LV Sub Site Specific Band 4	S04	0			0.16
HV Site Specific No Residual	H00, HST	0			0.16
HV Site Specific Band 1	365, 367	0			0.16
HV Site Specific Band 2	H02	0			0.16
HV Site Specific Band 3	H03	0			0.16
HV Site Specific Band 4	H04	0			0.16
Unmetered Supplies	95, 96, 97, 98, 99	0, 1 or 8			0.00
LV Generation Aggregated	625	0			0.00
LV Sub Generation Aggregated	570	0			0.00
LV Generation Site Specific	571, 573	0			0.00
LV Generation Site Specific no RP charge	141, 142	0			0.00
LV Sub Generation Site Specific	572, 574	0			0.00
LV Sub Generation Site Specific no RP charge	143, 144	0			0.00
HV Generation Site Specific	575, 577	0			0.00
HV Generation Site Specific no RP charge	145, 146	0			0.00
LDNO LV: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO LV: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO LV: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO LV: LV Site Specific No Residual	0	0			0.16
LDNO LV: LV Site Specific Band 1	0	0			0.16
LDNO LV: LV Site Specific Band 2	0	0			0.16
LDNO LV: LV Site Specific Band 3	0	0			0.16
LDNO LV: LV Site Specific Band 4	0	0			0.16
LDNO LV: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO LV: LV Generation Aggregated	0	0			0.00
LDNO LV: LV Generation Site Specific	0	0			0.00
LDNO HV: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO HV: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO HV: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO HV: LV Site Specific No Residual	0	0			0.16
LDNO HV: LV Site Specific Band 1	0	0			0.16
LDNO HV: LV Site Specific Band 2	0	0			0.16
LDNO HV: LV Site Specific Band 3	0	0			0.16
LDNO HV: LV Site Specific Band 4	0	0			0.16
LDNO HV: LV Sub Site Specific No Residual	0	0			0.16

Annex 7 - Schedule of Charges to recover Excess Supplier of Last Resort pass-through costs

Tariff name	Open LLFCs / LDNO unique billing identifier	PCs	Supplier of Last Resort Fixed charge adder* p/MPAN/day	Excess Supplier of Last Resort Fixed charge adder** p/MPAN/day	Eligible Bad Debt Fixed charge adder*** p/MPAN/day
LDNO HV: LV Sub Site Specific Band 1	0	0			0.16
LDNO HV: LV Sub Site Specific Band 2	0	0			0.16
LDNO HV: LV Sub Site Specific Band 3	0	0			0.16
LDNO HV: LV Sub Site Specific Band 4	0	0			0.16
LDNO HV: HV Site Specific No Residual	0	0			0.16
LDNO HV: HV Site Specific Band 1	0	0			0.16
LDNO HV: HV Site Specific Band 2	0	0			0.16
LDNO HV: HV Site Specific Band 3	0	0			0.16
LDNO HV: HV Site Specific Band 4	0	0			0.16
LDNO HV: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO HV: LV Generation Aggregated	0	0			0.00
LDNO HV: LV Sub Generation Aggregated	0	0			0.00
LDNO HV: LV Generation Site Specific	0	0			0.00
LDNO HV: LV Sub Generation Site Specific	0	0			0.00
LDNO HV: HV Generation Site Specific	0	0			0.00
LDNO HVplus: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO HVplus: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO HVplus: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO HVplus: LV Site Specific No Residual	0	0			0.16
LDNO HVplus: LV Site Specific Band 1	0	0			0.16
LDNO HVplus: LV Site Specific Band 2	0	0			0.16
LDNO HVplus: LV Site Specific Band 3	0	0			0.16
LDNO HVplus: LV Site Specific Band 4	0	0			0.16
LDNO HVplus: LV Sub Site Specific No Residual	0	0			0.16
LDNO HVplus: LV Sub Site Specific Band 1	0	0			0.16
LDNO HVplus: LV Sub Site Specific Band 2	0	0			0.16
LDNO HVplus: LV Sub Site Specific Band 3	0	0			0.16
LDNO HVplus: LV Sub Site Specific Band 4	0	0			0.16
LDNO HVplus: HV Site Specific No Residual	0	0			0.16
LDNO HVplus: HV Site Specific Band 1	0	0			0.16
LDNO HVplus: HV Site Specific Band 2	0	0			0.16
LDNO HVplus: HV Site Specific Band 3	0	0			0.16
LDNO HVplus: HV Site Specific Band 4	0	0			0.16
LDNO HVplus: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO HVplus: LV Generation Aggregated	0	0			0.00
LDNO HVplus: LV Sub Generation Aggregated	0	0			0.00
LDNO HVplus: LV Generation Site Specific	0	0			0.00
LDNO HVplus: LV Sub Generation Site Specific	0	0			0.00
LDNO HVplus: HV Generation Site Specific	0	0			0.00
LDNO EHV: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO EHV: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO EHV: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO EHV: LV Site Specific No Residual	0	0			0.16
LDNO EHV: LV Site Specific Band 1	0	0			0.16
LDNO EHV: LV Site Specific Band 2	0	0			0.16
LDNO EHV: LV Site Specific Band 3	0	0			0.16
LDNO EHV: LV Site Specific Band 4	0	0			0.16
LDNO EHV: LV Sub Site Specific No Residual	0	0			0.16
LDNO EHV: LV Sub Site Specific Band 1	0	0			0.16
LDNO EHV: LV Sub Site Specific Band 2	0	0			0.16
LDNO EHV: LV Sub Site Specific Band 3	0	0			0.16
LDNO EHV: LV Sub Site Specific Band 4	0	0			0.16
LDNO EHV: HV Site Specific No Residual	0	0			0.16
LDNO EHV: HV Site Specific Band 1	0	0			0.16
LDNO EHV: HV Site Specific Band 2	0	0			0.16
LDNO EHV: HV Site Specific Band 3	0	0			0.16
LDNO EHV: HV Site Specific Band 4	0	0			0.16



Annex 7 - Schedule of Charges to recover Excess Supplier of Last Resort pass-through costs

Tariff name	Open LLFCs / LDNO unique billing identifier	PCs	Supplier of Last Resort Fixed charge adder* p/MPAN/day	Excess Supplier of Last Resort Fixed charge adder** p/MPAN/day	Eligible Bad Debt Fixed charge adder*** p/MPAN/day
LDNO EHV: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO EHV: LV Generation Aggregated	0	0			0.00
LDNO EHV: LV Sub Generation Aggregated	0	0			0.00
LDNO EHV: LV Generation Site Specific	0	0			0.00
LDNO EHV: LV Sub Generation Site Specific	0	0			0.00
LDNO EHV: HV Generation Site Specific	0	0			0.00
LDNO 132kV/EHV: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO 132kV/EHV: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO 132kV/EHV: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO 132kV/EHV: LV Site Specific No Residual	0	0			0.16
LDNO 132kV/EHV: LV Site Specific Band 1	0	0			0.16
LDNO 132kV/EHV: LV Site Specific Band 2	0	0			0.16
LDNO 132kV/EHV: LV Site Specific Band 3	0	0			0.16
LDNO 132kV/EHV: LV Site Specific Band 4	0	0			0.16
LDNO 132kV/EHV: LV Sub Site Specific No Residual	0	0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 1	0	0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 2	0	0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 3	0	0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 4	0	0			0.16
LDNO 132kV/EHV: HV Site Specific No Residual	0	0			0.16
LDNO 132kV/EHV: HV Site Specific Band 1	0	0			0.16
LDNO 132kV/EHV: HV Site Specific Band 2	0	0			0.16
LDNO 132kV/EHV: HV Site Specific Band 3	0	0			0.16
LDNO 132kV/EHV: HV Site Specific Band 4	0	0			0.16
LDNO 132kV/EHV: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO 132kV/EHV: LV Generation Aggregated	0	0			0.00
LDNO 132kV/EHV: LV Sub Generation Aggregated	0	0			0.00
LDNO 132kV/EHV: LV Generation Site Specific	0	0			0.00
LDNO 132kV/EHV: LV Sub Generation Site Specific	0	0			0.00
LDNO 132kV/EHV: HV Generation Site Specific	0	0			0.00
LDNO 132kV: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO 132kV: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO 132kV: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO 132kV: LV Site Specific No Residual	0	0			0.16
LDNO 132kV: LV Site Specific Band 1	0	0			0.16
LDNO 132kV: LV Site Specific Band 2	0	0			0.16
LDNO 132kV: LV Site Specific Band 3	0	0			0.16
LDNO 132kV: LV Site Specific Band 4	0	0			0.16
LDNO 132kV: LV Sub Site Specific No Residual	0	0			0.16
LDNO 132kV: LV Sub Site Specific Band 1	0	0			0.16
LDNO 132kV: LV Sub Site Specific Band 2	0	0			0.16
LDNO 132kV: LV Sub Site Specific Band 3	0	0			0.16
LDNO 132kV: LV Sub Site Specific Band 4	0	0			0.16
LDNO 132kV: HV Site Specific No Residual	0	0			0.16
LDNO 132kV: HV Site Specific Band 1	0	0			0.16
LDNO 132kV: HV Site Specific Band 2	0	0			0.16
LDNO 132kV: HV Site Specific Band 3	0	0			0.16
LDNO 132kV: HV Site Specific Band 4	0	0			0.16
LDNO 132kV: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO 132kV: LV Generation Aggregated	0	0			0.00
LDNO 132kV: LV Sub Generation Aggregated	0	0			0.00
LDNO 132kV: LV Generation Site Specific	0	0			0.00
LDNO 132kV: LV Sub Generation Site Specific	0	0			0.00
LDNO 132kV: HV Generation Site Specific	0	0			0.00
LDNO 0000: Domestic Aggregated with Residual	0	0, 1, 2	2.62	0.00	0.16
LDNO 0000: Domestic Aggregated (Related MPAN)	0	2	0.00	0.00	0.00
LDNO 0000: Non-Domestic Aggregated No Residual	0	0, 3, 4, 5-8			0.16



**Annex 7 - Schedule of Charges to recover Excess Supplier of Last Resort pass-through costs**

Tariff name	Open LLFCs / LDNO unique billing identifier	PCs	Supplier of Last Resort Fixed charge adder* p/MPAN/day	Excess Supplier of Last Resort Fixed charge adder** p/MPAN/day	Eligible Bad Debt Fixed charge adder*** p/MPAN/day
LDNO 0000: Non-Domestic Aggregated Band 1	0	0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 2	0	0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 3	0	0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 4	0	0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated (related MPAN)	0	4			0.00
LDNO 0000: LV Site Specific No Residual	0	0			0.16
LDNO 0000: LV Site Specific Band 1	0	0			0.16
LDNO 0000: LV Site Specific Band 2	0	0			0.16
LDNO 0000: LV Site Specific Band 3	0	0			0.16
LDNO 0000: LV Site Specific Band 4	0	0			0.16
LDNO 0000: LV Sub Site Specific No Residual	0	0			0.16
LDNO 0000: LV Sub Site Specific Band 1	0	0			0.16
LDNO 0000: LV Sub Site Specific Band 2	0	0			0.16
LDNO 0000: LV Sub Site Specific Band 3	0	0			0.16
LDNO 0000: LV Sub Site Specific Band 4	0	0			0.16
LDNO 0000: HV Site Specific No Residual	0	0			0.16
LDNO 0000: HV Site Specific Band 1	0	0			0.16
LDNO 0000: HV Site Specific Band 2	0	0			0.16
LDNO 0000: HV Site Specific Band 3	0	0			0.16
LDNO 0000: HV Site Specific Band 4	0	0			0.16
LDNO 0000: Unmetered Supplies	0	0, 1 or 8			0.00
LDNO 0000: LV Generation Aggregated	0	0			0.00
LDNO 0000: LV Sub Generation Aggregated	0	0			0.00
LDNO 0000: LV Generation Site Specific	0	0			0.00
LDNO 0000: LV Sub Generation Site Specific	0	0			0.00
LDNO 0000: HV Generation Site Specific	0	0			0.00

\*Supplier of Last Resort pass-through costs which are recovered on a two year lag allocated to all domestic tariffs with a fixed charge (including LDNO)

\*\*Supplier of Last Resort pass-through costs which are not recovered on a two year lag allocated to all domestic tariffs with a fixed charge (including LDNO)

\*\*\*Eligible Bad Debt pass-through costs allocated to all metered demand tariffs (including LDNO)