

## **SP Distribution**

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

## **NOTICE OF CHARGES**

**Effective from 1st April 2023**

**Version 0.2**

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

## Version Control

Version	Date	Description of version and any changes made
0.2	23/01/2023	Updates to Annexes 1, 2, 4, 5, 6 and 7

A change-marked version of this statement can be provided upon request.

# Contents

1. Introduction	5
Validity period	6
Contact details	6
2. Charge application and definitions	9
The supercustomer and site-specific billing approaches	9
Supercustomer billing and payment	10
Site-specific billing and payment	11
Components of Charges	12
Incorrectly allocated charges	17
Generation charges for pre-2005 designated EHV properties	18
Provision of billing data	19
Out of area use of system charges	20
Licensed distribution network operator charges	20
Licence exempt distribution networks	20
3. Schedule of charges for use of the distribution system	23
4. Schedule of line loss factors	24
Role of line loss factors in the supply of electricity	24
Calculation of line loss factors	24
Publication of line loss factors	25
5. Notes for Designated EHV Properties	26
EDCM network group costs	26
Charges for new Designated EHV Properties	26
Charges for amended Designated EHV Properties	26
Demand-side management	26
6. Electricity distribution rebates	28
7. Accounting and administration services	28
8. Charges for electrical plant provided ancillary to the grant of use of system	28
9. Schedule of fixed adders to recover Supplier of Last Resort and Eligible Bad Debt pass-through costs	28
10. Non-Final Demand Sites	30
Appendix 1 - Glossary	32
Appendix 2 - Guidance notes	40
Background	40
Meter point administration	40
Your charges	42
Reducing your charges	42
Reactive power and reactive power charges	43
Site-specific EDCM charges	43
Appendix 3 – Non-Final Demand Site Certificate	46
Annex 1 - Schedule of charges for use of the distribution system by LV and HV Designated Properties, and Unmetered Supplies	48
Annex 2 - Schedule of charges for use of the distribution system by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users)	49
Annex 3 - Schedule of charges for use of the distribution system by preserved/additional LLF classes	52
Annex 4 - Charges applied to LDNOs with LV and HV end-users	53

Annex 5 - Schedule of line loss factors	57
Annex 6 - Charges for New or Amended Designated EHV Properties	62
Annex 7 - Final Supplier of Last Resort and Bad Debt Pass-through Costs	63

## 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

---

<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.dcuda.co.uk/SitePages/Documents/DCUSA-Documents.aspx>

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.
- 1.7. The annexes that form part of this statement are also available in spreadsheet format<sup>4</sup>. 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 [https://www.scottishpower.com/pages/connections\\_use\\_of\\_system\\_and\\_metering\\_services.aspx](https://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.aspx).

### **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 [https://www.scottishpower.com/pages/connections\\_use\\_of\\_system\\_and\\_metering\\_services.aspx](https://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.aspx).

### **Contact details**

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

SP Energy Networks, Network Planning & Regulation  
Prenton Way  
Birkenhead  
Merseyside  
CH43 3ET

Email: [Commercial@spenergynetworks.co.uk](mailto:Commercial@spenergynetworks.co.uk)  
Tel: 0141 614 5851

---

<sup>4</sup> SPM – Schedule of Charges and Other Tables.xlsx

- 1.12. All enquiries regarding reductions to maximum capacities should be addressed to:

SP Energy Networks, Network Planning and Regulation  
320 St Vincent Street  
Glasgow  
G2 5AD

Email: [CAPACITYQ@spenergynetworks.co.uk](mailto:CAPACITYQ@spenergynetworks.co.uk)

Tel: 0141 614 1605

All enquiries regarding Connection Agreements and increases to maximum capacities should be addressed to:

SP Distribution  
SP Energy Networks  
Network Connections  
320 St Vincent Street  
Glasgow  
G2 5AD

Email: [gettingconnected@scottishpower.com](mailto:gettingconnected@scottishpower.com)

Tel: 0845 270 0783

- 1.13. For enquiries regarding certification of storage facilities, please contact:

SP Energy Networks, Network Planning & Regulation  
Prenton Way  
Birkenhead  
Merseyside  
CH43 3ET

Email: [Commercial@spenergynetworks.co.uk](mailto:Commercial@spenergynetworks.co.uk)

Tel: 0141 614 5851

- 1.14. For all other queries please contact our general enquiries telephone number:

0330 10 10 444

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

<https://www.facebook.com/SPEnergyNetworks>

<https://twitter.com/SPEnergyNetwork>



## **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:

- The 'Supercustomer' approach for Customers for whom we receive aggregated consumption data through Settlement; and
- 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:

- 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);
- 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);
- Domestic Customers for whom HH metering data is used in Settlement (i.e. Customers with MPANs which are registered to Measurement Class F); and
- 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:

- 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
- 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. Where an MPAN has an invalid Settlement combination, the 'Domestic Aggregated with Residual' fixed and unit charges will be applied as default until the invalid combination is corrected. Where there are multiple SSC/TPR combinations, the default 'Domestic Aggregated with Residual' fixed and unit charges will be applied for each invalid SSC/TPR combination.
- 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.
- 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.
- 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:
- Designated Properties connected at LV, billing with no MIC;
  - Designated Properties connected at LV, billing with MIC;

- Designated Properties connected at HV; and
  - 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 (or 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 (or 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 (or 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. For sites which are importing and exporting in the same half hour, i.e. where active import is not equal to zero and active export is not equal to zero, use zero for reactive import and reactive export when calculating capacity taken.
- 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. For sites which are importing and exporting in the same half hour, i.e. where active import is not equal to zero and active export is not equal to zero, use zero for reactive import and reactive export when calculating capacity taken.
- 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.

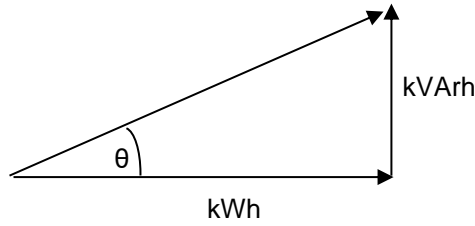
### ***Minimum capacity levels***

- 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. For sites which are importing and exporting in the same half hour i.e. where active import is not equal to zero and active export is not equal to zero, no calculation for that half hour is made and the result for that half hour would be zero.

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. For sites which are importing and exporting in the same half hour i.e. where active import is not equal to zero and active export is not equal to zero, no calculation for that half hour is made and the result for that half hour would be zero.
- 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 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, and the Prescription and Limitation (Scotland) Act 1973, which covers a five 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>5</sup> (as agreed with us). The data shall be emailed to [UoS ADMINISTRATORS@spenergynetworks.co.uk](mailto:UoS ADMINISTRATORS@spenergynetworks.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. In order to estimate

---

<sup>5</sup> MRA Data Transfer Catalogue available from <https://dtc.mrasco.com/>

missing reactive data, a power factor of 0.9 lag will be applied to the active consumption in any half hour.

### **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. Where a NHH metered MPAN has an invalid Settlement combination, the 'LDNO LV: Domestic Aggregated with Residual' fixed and unit charges will be applied as default until the invalid combination is corrected. Where there are multiple SSC/TPR combinations, the default 'LDNO LV: Domestic Aggregated with Residual' fixed and unit charges will be applied for each invalid SSC/TPR combination.

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>6</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.

---

<sup>6</sup> The Electricity and Gas (Internal Market) Regulations 2011 available from <http://www.legislation.gov.uk/uksi/2011/2704/contents/made>

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.

#### **Gross settlement**

2.84. Where one of our MPANs (18) 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 or D0275 MRA data flow;
- the text file shall be emailed to [uosadmins@spenergynetworks.co.uk](mailto:uosadmins@spenergynetworks.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.

### **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 [https://www.scottishpower.com/pages/connections\\_use\\_of\\_system\\_and\\_metering\\_services.aspx](https://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.aspx).
- 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>7</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. 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>8</sup>.

---

<sup>7</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.

<sup>8</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>9</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.

---

<sup>9</sup> The Elexon Portal can be accessed from [www.elexonportal.co.uk](http://www.elexonportal.co.uk)

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

### **EDCM 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 "SPD – Schedule of Charges and Other Tables.xlsx" 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. New or existing Designated EHV Property Customers may wish to offer part of their MIC to be interruptible by us (for active network management purposes other than normal planned or unplanned outages) in order to benefit from any reduced UoS charges calculated using the EDCM.

5.8. Several options exist in which we may agree for some or the entire MIC to be interruptible. Under the EDCM the applicable demand capacity costs would be based on the MIC minus the capacity subject to interruption.

5.9. If you are interested in making part or all of your MIC interruptible as an integral irrevocable feature of a new connection or modification to an existing connection you should in the first instance contact our connections function;

- By email to: [gettingconnected@scottishpower.com](mailto:gettingconnected@scottishpower.com)
- By telephone: 0845 270 0785
- By address :

Scottish Power

SP Energy Networks Networks

Network Connections

320 St Vincent Street

Glasgow

G2 5AD

## **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 Commercial using the contact details in 1.121.

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 in 1.11.

- 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;

- Where we have reason to believe that the property no longer qualifies as a Non-Final Demand Site; or

- Significant time has passed since the certification was submitted; or
- 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	<p>A person to whom a User proposes to supply, or for the time being supplies, electricity through an exit point, or from who, 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;</p> <p>Or</p> <p>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).</p>
Designated EHV Properties	As defined in standard condition 13B of the Electricity Distribution Licence.



Term	Definition
Designated Properties	As defined in standard condition 13A of the Electricity Distribution Licence.
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	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.		
	ID	Distribution Service Area	Company
	10	East of England	UK Power Networks
	11	East Midlands	Western Power Distribution
	12	London	UK Power Networks
	13	Merseyside and North Wales	Scottish Power
	14	Midlands	Western Power 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	Western Power Distribution
	22	South Western	Western Power 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

Term	Definition
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) 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.</li> </ul>
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).

Term	Definition
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.
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.

<b>Term</b>	<b>Definition</b>
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.
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)	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.
Metering Point	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'.
Metering Point Administration Number (MPAN)	A number relating to a Metering Point under the MRA.
Metering System	Particular commissioned metering equipment installed for the purposes of measuring the quantities of exports and/or imports at the exit point or entry point.
Metering System Identifier (MSID)	MSID is a term used throughout the BSC and its subsidiary documents and has the same meaning as MPAN as used under the MRA.

Term	Definition
Master Registration Agreement (MRA)	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.
Nested Networks	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).
Non-Final Demand Site	As defined in DCUSA Schedule 32.
Ofgem	Office of Gas and Electricity Markets – Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.
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.

Term	Definition
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>10</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>10</sup> Balancing and Settlement Code Procedures are available from <http://www.elexon.co.uk/pages/bscps.aspx>

## **Appendix 2 - Guidance notes<sup>11</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.

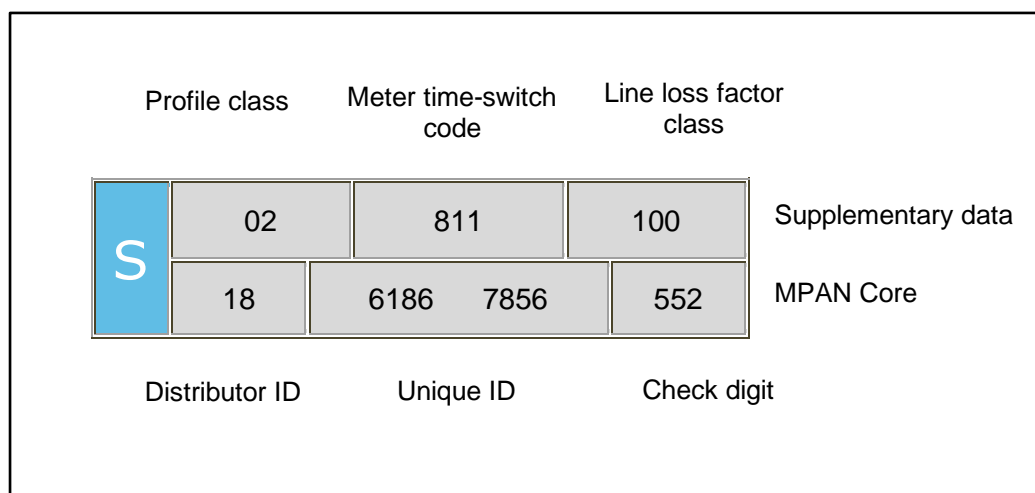
---

<sup>11</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 SP Distribution is 18. 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 18 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 [https://www.scottishpower.com/pages/connections\\_use\\_of\\_system\\_and\\_metering\\_services.aspx](https://www.scottishpower.com/pages/connections_use_of_system_and_metering_services.aspx).

### **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. The value of these assets is used as a basis to derive the charge.
  - 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 and a residual amount to ensure recovery of our regulated allowed revenue. 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.

## Non-Final Demand Site Certificate of Compliance

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:

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:

- 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
  - 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
  - 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.

For the purposes of this declaration, the term Non-Final Demand Site has the meaning given to it in the DCUSA.

Metering System Site Address:

Qualifying Import MPAN/MSID(s)

Qualifying Export MPAN/MSID(s)

I declare that I understand the qualification requirements and certify that the above Metering System meets the criteria of a Non-Final Demand Site.

Authorised signatory:

Name and designation:

On behalf of company:

Date:

## Annex 1 - Schedule of charges for use of the distribution system by LV and HV Designated Properties, and Unmetered Supplies

SP Distribution - Effective from 1 April 2023 - Final LV and HV charges										
Time Bands for LV and HV Designated Properties					Time Bands for Unmetered Properties					
Time periods	Red Time Band	Amber Time Band	Green Time Band							
Monday to Friday (Including Bank Holidays) All Year	16.30 - 19.30	08.00 - 16.30 19.30 - 22.30	00.00 - 08.00 22.30 - 00.00							
Saturday and Sunday All Year		16.00 - 20.00	00.00 - 16.00 20.00 - 00.00							
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/kVArh	Closed LLFCs
Domestic Aggregated with Residual	100, 101, 110, 111, 114, 115, 118, 119, 120, 121, 160, 161, 162, 163, 180	0, 1, 2	7.778	0.844	0.016	24.42				
Domestic Aggregated (Related MPAN)	112, 113, 116, 117, 132, 133, 136, 137, 164, 165, 166	2	7.778	0.844	0.016					130, 134, 135
Non-Domestic Aggregated No Residual	D00,F00	0, 3, 4, 5-8	10.009	1.086	0.021	6.22				
Non-Domestic Aggregated Band 1	D01,F01	0, 3, 4, 5-8	10.009	1.086	0.021	25.15				
Non-Domestic Aggregated Band 2	D02,F02	0, 3, 4, 5-8	10.009	1.086	0.021	54.20				
Non-Domestic Aggregated Band 3	D03,F03	0, 3, 4, 5-8	10.009	1.086	0.021	113.18				
Non-Domestic Aggregated Band 4	D04,F04	0, 3, 4, 5-8	10.009	1.086	0.021	323.15				
Non-Domestic Aggregated (related MPAN)	225, 240, 241, 301	4	10.009	1.086	0.021					223, 242, 243, 245, 246
LV Site Specific No Residual	G00, H00	0	6.548	0.673	0.012	24.24	2.60	3.78	0.167	
LV Site Specific Band 1	G01, H01	0	6.548	0.673	0.012	592.63	2.60	3.78	0.167	
LV Site Specific Band 2	G02, H02	0	6.548	0.673	0.012	1028.08	2.60	3.78	0.167	
LV Site Specific Band 3	G03, H03	0	6.548	0.673	0.012	1731.49	2.60	3.78	0.167	
LV Site Specific Band 4	G04, H04	0	6.548	0.673	0.012	3603.36	2.60	3.78	0.167	
LV Sub Site Specific No Residual	K00, L00	0	3.759	0.321	0.005	8.66	4.74	5.40	0.073	
LV Sub Site Specific Band 1	K01, L01	0	3.759	0.321	0.005	577.04	4.74	5.40	0.073	
LV Sub Site Specific Band 2	K02, L02	0	3.759	0.321	0.005	1012.49	4.74	5.40	0.073	
LV Sub Site Specific Band 3	K03, L03	0	3.759	0.321	0.005	1715.90	4.74	5.40	0.073	
LV Sub Site Specific Band 4	K04, L04	0	3.759	0.321	0.005	3587.77	4.74	5.40	0.073	
HV Site Specific No Residual	M00, N00	0	2.687	0.204	0.003	128.88	5.23	6.43	0.043	
HV Site Specific Band 1	M01, N01	0	2.687	0.204	0.003	3044.35	5.23	6.43	0.043	
HV Site Specific Band 2	M02, N02	0	2.687	0.204	0.003	9149.83	5.23	6.43	0.043	
HV Site Specific Band 3	M03, N03	0	2.687	0.204	0.003	18680.10	5.23	6.43	0.043	
HV Site Specific Band 4	M04, N04	0	2.687	0.204	0.003	48446.40	5.23	6.43	0.043	
Unmetered Supplies	900, 901, 902, 903, 910	0, 1 or 8	22.145	3.173	2.375					904, 905, 906, 907, 908, 909
LV Generation Aggregated	781, 782, 783, 784, 785	0	-6.010	-0.652	-0.012					
LV Sub Generation Aggregated	602	0	-5.244	-0.554	-0.010					
LV Generation Site Specific	603, 604, 607, 608	0	-6.010	-0.652	-0.012				0.160	
LV Generation Site Specific no RP charge	794, 795	0	-6.010	-0.652	-0.012					
LV Sub Generation Site Specific	609, 610	0	-5.244	-0.554	-0.010				0.137	
LV Sub Generation Site Specific no RP charge	796, 797	0	-5.244	-0.554	-0.010					
HV Generation Site Specific	605, 606, 611, 612	0	-3.299	-0.280	-0.004	94.00			0.109	
HV Generation Site Specific no RP charge	798, 799	0	-3.299	-0.280	-0.004	94.00				



## Annex 2 - Schedule of charges for use of the distribution system by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users)

SP Distribution - Effective from 1 April 2023 - Final EDCM charges

Time Periods for Designated EHV Properties	
Time periods	Super Red Time Band
Monday to Friday (Including Bank Holidays) June to August Inclusive	
Monday to Friday (Including Bank Holidays) November to February Inclusive	16:30 - 19:30
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)
800	800	1800060775972	644	644	1800060775990	Rhoddors		-	222.40	0.80	0.80	-	4994.65	0.05	0.05
801	801	1800060004220	MSID 8182	MSID 8182	MSID 8182	Minsca		-	398.94	-	-	-	-	-	-
802	802	1800060539962	683	683	1800060539971	Bankend Rig		-	115.36	2.85	2.85	-	4341.71	0.05	0.05
803	803	1800060532708	684	684	1800060532717	Barlockhart Moor		-	140.88	1.07	1.07	-	7888.52	0.05	0.05
804	804	1800060532726	685	685	1800060532735	Blantyre Muir		-	325.47	0.78	0.78	-	5128.71	0.05	0.05
805	805	1800060587850				Hunterston WF	1	-	9061.06	0.76	0.76	-	-	-	-
806	806	1800060532647	688	688	1800060532656	Middleton Farm		-	201.85	1.02	1.02	-	4585.89	0.05	0.05
807	807	1800060532665	689	689	1800060532674	Neilston Community		-	119.18	1.10	1.10	-	5626.11	0.05	0.05
808	808	1800053653870	681	681	1800053653880	Garlaff Landfill		-	89.48	1.10	1.10	-	-	-	-
809	809	1800054992968	629	629	1800054992977	Hagshaw Hill Extension		-	631.32	0.79	0.79	-	15942.98	0.05	0.05
811	811	1800060328035	671	671	1800060328044	Muirhall		-	300.20	1.01	1.01	-	7204.83	0.05	0.05
812	812	1800060372113	672	672	1800060372122	Burnfoot		-	100.90	0.84	0.84	-	7040.97	0.05	0.05
813	813	1800060532498	690	690	1800060532503	Westfield WF		-	53.36	1.15	1.15	-	6268.63	0.05	0.05
814	814	1800060532683	691	691	1800060532692	Barmoor WF		-	177.10	1.15	1.15	-	16744.02	0.05	0.05
815	815	1800060566984	692	692	1800060566993	Nutberry WF		-	712.89	1.00	1.00	-	13496.24	0.05	0.05
816	816	1800060652454	695	695	1800060652463	Carcreugh WF		-	276.35	0.81	0.81	-	5640.74	0.05	0.05
817	817	1800060567668				Magnox	1	-	2325.03	1.62	1.62	-	-	-	-
818	818	1800060642767	700	700	1800060642776	West Brownscastle WF		-	445.90	0.84	0.84	-	25242.50	0.05	0.05
819	819	1800060632661	699	699	1800060632670	Viridor (Waste energy)		-	787.31	1.90	1.90	-	8336.18	0.05	0.05
820	820	1800060289486	620	620	1800060289510	Craigengelt		-	132.82	1.33	1.33	-	18143.13	0.05	0.05
821	821	1800054865132	621	621	1800054865141	Greenknowes		-	546.20	0.83	0.83	-	32772.10	0.05	0.05
822	822	1800060683754	703	703	1800060683763	Ewe Hill Dumfries WF		-	416.60	1.07	1.07	-	18794.52	0.05	0.05
823	823	1800060697223	704	704	1800060697232	Langhope Rig (D) WF	1	-	2037.14	1.59	1.59	-	1229.53	0.05	0.05
824	824	1800060674253	705	705	1800060674262	Muirhall Extension WF		-	48.06	1.07	1.07	-	2863.78	0.05	0.05
825	825	1800060159192	625	625	1800060159208	Aikengall		-	1819.44	-	-	-	7567.53	0.05	0.05
826	826	1800053646251	626	626	1800053646260	Hagshaw Hill		-	49.07	1.10	1.10	-	976.52	0.05	0.05
827	827	1800053646190	627	627	1800053646206	Gallow Rig		-	171.13	1.33	1.33	-	3696.44	0.05	0.05
828	828	1800053646172	628	628	1800053646181	Polwhar Rig		-	203.56	1.34	1.34	-	3664.02	0.05	0.05
829	829	1800054738267	624	624	1800054738276	Greendykeside		-	46.70	1.12	1.12	-	3276.90	0.05	0.05
830	830	1800053647237	630	630	1800053647246	Dun Law		-	28.62	1.06	1.06	-	-	-	-
831	831	1800053647194	631	631	1800053647200	EPR Scotland Ltd		-	228.79	1.14	1.14	-	-	-	-

See Annex 6

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)
832	832	1800053648027	632	632	1800053648036	Bowbeat (Emly Bank)		-	148.26	5.34	5.34	-	-	-	-
833	833	1800053648045	633	633	1800053648054	Bowbeat (Roughsidehill)		-	103.49	5.35	5.35	-	-	-	-
834	834	1800053647380	634	634	1800053647399	Harehill		-	103.12	1.39	1.39	-	-	-	-
835	835	1800053647618	635	635	1800053647627	Shanks & McEwan 3&4		-	96.69	1.89	1.89	-	-	-	-
836	836	1800053647636	636	636	1800053647645	Shanks & McEwan 5		-	22.69	0.99	0.99	-	-	-	-
837	837	1800053653843	637	637	1800053653852	Crystal Rig		-	529.19	1.57	1.57	-	-	-	-
838	838	1800053694167	638	638	1800053694440	Hauptland Muir (Ardrossan)		-	5.99	0.85	0.85	-	187.47	0.05	0.05
839	839	1800053950949	639	639	1800053950958	Wetherhill		-	614.24	-	-	-	-	-	-
840	840	1800053434271	640	640	1800053883993	Artfield WF	1	-	2900.33	-	-	-	-	-	-
841	841	1800054152982	641	641	1800054152991	Wardlaw Wood		-	69.04	1.11	1.11	-	-	-	-
842	842	1800054198365	642	642	1800054198374	Earlsburn		-	686.34	-	-	-	-	-	-
843	843	1800054244570	643	643	1800054244598	Blackhill		-	1006.17	-	-	-	19921.64	0.05	0.05
844	844	1800054451603	MSID 8183	MSID 8183		Dalswinton		-	384.43	0.81	0.81	-	-	-	-
845	845	1800054498470	645	645	1800054498480	Steven's Croft Biomass		-	3748.30	0.95	0.95	-	-	-	-
850	850	1800060251872	650	650	1800060251881	Longpark		-	804.36	-	-	-	18023.88	0.05	0.05
851	851	1800035140431				BOC	3	-	32029.82	2.65	2.65				
852	852	1800060642702	696	696	1800060642711	Calder Water WF		-	197.90	0.94	0.94	-	24129.37	0.05	0.05
853	853	1800035234188				Babcock Thorn	2	-	30609.16	1.88	1.88				
854	854	1800035261359	654	654	1800053946507	Lafarge UK	4	-	23397.55	2.75	2.75	-	771.95	0.05	0.05
855	855	1800060241304	655	655	1800060241313	Pateshill	1	-	2019.60	1.08	1.08	-	1117.51	0.05	0.05
856	856	1800035239460				Clydeport	2	-	38546.24	0.80	0.80				
858	858	1800035327257				Tesco	1	-	2830.01	2.43	2.43				
860	860	1800060852030	666	666	1800060852049	Gevens Wind Farm		-	19.87	0.80	0.80	-	4508.77	0.05	0.05
861	861	1800035324780				Weir Pumps	1	-	3497.47	1.49	1.49				
862	862	1800035317453				Dupont (UK) Ltd	3	-	95023.37	2.63	2.63				
863	863	1800060207438	663	663	1800060207447	North Rhins	1	-	2259.94	1.05	1.05	-	7822.94	0.05	0.05
864	864	1800060709038	698	698	1800060709047	Tod Hills Windfarm		-	65.79	2.07	2.07	-	7228.12	0.05	0.05
865	865	1800060877284	670	670	1800060877293	Hoprigshiels		-	218.97	1.86	1.86	-	11523.91	0.05	0.05
867	867	1800035325436				Norbord	4	-	37572.61	1.87	1.87				
868	868	1800060809025	664	664	1800060809034	MuirHall Extension II WF		-	48.92	1.10	1.10	-	4193.57	0.05	0.05
887	887	1800060749661	706	706	1800060749670	Polmadie (Waste energy A)		-	1029.01	1.06	1.06	-	4352.58	0.05	0.05
873	873	1800060450481	673	673	1800060450490	Millour Hill		-	190.02	0.82	0.82	-	13080.15	0.05	0.05
874	874	1800060441380	674	674	1800060441399	Glenkerie		-	336.51	1.04	1.04	-	13035.54	0.05	0.05
875	875	1800060450524	675	675	1800060450533	Kelburn (A)	1	-	2154.84	1.09	1.09	-	7752.82	0.05	0.05
876	876	1800060450542	676	676	1800060450551	Kelburn (B)	1	-	2154.84	1.09	1.09	-	7752.82	0.05	0.05
877	877	1800060450506	677	677	1800060450515	Little Raith	1	-	2169.99	0.84	0.84	-	4684.39	0.05	0.05
878	878	1800060445640	678	678	1800060445659	Drone Hill	1	-	2470.48	0.89	0.89	-	23091.96	0.05	0.05
879	879	1800060845812	680	680	1800060845821	Pearie Law Wind Farm		-	270.04	1.09	1.09	-	13994.22	0.05	0.05
880	880	1800060673222	701	701	1800060673231	Earlseat WF		-	139.30	1.98	1.98	-	10568.59	0.05	0.05
881	881	1800060740288	702	702	1800060740297	Dungavel WF		-	465.04	0.81	0.81	-	27809.21	0.05	0.05
882	882	1800060769738	687	687	1800060769747	Burnhead Bathgate WF		-	55.70	1.14	1.14	-	3754.76	0.05	0.05
883	883	1800053647742	636	636	1800053647751	Shanks & McEwan 6		-	65.63	0.99	0.99	-	-	-	-
884	884	1800060683693	679	679	1800060683709	Ardoch & Over Enoch WF		-	506.97	0.80	0.80	-	10228.06	0.05	0.05
888	888	1800060817230	MSID 8732	MSID 8732	MSID 8732	Glenchamber		-	98.04	1.03	1.03	-	12726.66	0.05	0.05
889	889	1800060819273	708	708	1800060819282	Penmansheill		-	208.60	0.91	0.91	-	31508.74	0.05	0.05
891	891	1800060863723	668	668	1800060863732	Tormywheel		-	51.21	1.06	1.06	-	9093.24	0.05	0.05
892	892	1800060872755	669	669	1800060872764	Quixwood Wind Farm		-	263.39	0.83	0.83	-	23761.49	0.05	0.05
MSID 8083	MSID 8083	MSID 8083				Dumbarton	2	-	11352.06	0.81	0.81				
MSID 8085	MSID 8085	MSID 8085				Stirling Road	2	-	11352.06	0.85	0.85				
MSID 8334	MSID 8334	MSID 8334	MSID 8334	MSID 8334	MSID 8334	Markinch		-	3291.07	0.85	0.85	-	19028.96	0.05	0.05
MSID 8339	MSID 8339	MSID 8339	MSID 8339	MSID 8339	MSID 8339	Harehill Extension		-	210.34	1.43	1.43	-	7409.29	0.05	0.05
847	847	1800060931899	MSID 8340	MSID 8340	MSID 8340	Aries		-	111.36	0.95	0.95	-	11661.70	0.05	0.05
MSID 8341	MSID 8341	MSID 8341	MSID 8341	MSID 8341	MSID 8341	Andershaw WF		-	168.63	1.31	1.31	-	23010.33	0.05	0.05

See Annex 6

See Annex 6

See Annex 6

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)
MSID 8347	MSID 8347	MSID 8347	MSID 8347	MSID 8347	MSID 8347	Assel Valley		-	1765.93	0.78	0.78	-	41783.28	0.05	0.05
MSID 8348	MSID 8348	MSID 8348	MSID 8348	MSID 8348	MSID 8348	Auchrobert		-	285.15	0.83	0.83	-	13889.39	0.05	0.05
MSID 8349	MSID 8349	MSID 8349	MSID 8349	MSID 8349	MSID 8349	Harburnhead		-	40.36	1.03	1.03	-	9509.44	0.05	0.05
310	310	1800036579036				Magco	1	-	2347.51	3.29	3.29				
311	311	1800035324497				Stirling University	1	0.672	2347.51	2.14	2.14				
312	312	1800035324530				Glenochil Distillery	2	-	11699.92	3.99	3.99				
314	314	1800035327674				Cameron Ironworks	1	-	2347.51	1.84	1.84				
315	315	1800035313398				Shin-Etsu	2	-	24979.74	2.41	2.41				
316	316	1800035344100				United Biscuits	1	-	2347.51	2.44	2.44				
318	318	1800035337584				Balfours	1	-	2347.51	1.15	1.15				
319	319	1800035331634				NB Distillery	2	-	11699.92	2.33	2.33				
320	320	1800035340220				Finnart BP	1	-	16883.57	1.89	1.89				
321	321	1800035346589				Texas Instruments	2	-	12047.78	3.99	3.99				
322	322	1800035346817				Glasgow Airport	1	-	2347.51	3.45	3.45				
323	323	180003526848				BP Dalmeny	1	-	12363.82	1.65	1.65				
324	324	1800035334227				Edinburgh Dock North	3	-	44984.08	1.06	1.06				
326	326	1800053646215	755	755	1800053646224	Bonnington Power Station		-	3.13	0.90	0.90	-	344.73	0.05	0.05
328	328	1800060586917	750	750	1800060586926	Cathkin Braes Wind Farm	1	-	2309.62	0.92	0.92	-	4894.47	0.05	0.05
329	329	1800060397697				New Glasgow South Hospital	2	1.014	20340.01	2.69	2.69				
330	330	1800060614714	752	752	1800060614741	Torrance WF		-	73.53	1.07	1.07	-	6275.58	0.05	0.05
331	331	1800060613543	754	754	1800060613552	Scottish Enterprise (Samsung WTTf)		-	128.26	1.09	1.09	-	4726.45	0.05	0.05
332	332	1800060709010	756	756	1800060709029	Torrance Windfarm Extension		-	112.51	1.13	1.13	-	6344.99	0.05	0.05
334	334	1800035327070				Edinburgh Airport	2	0.373	11803.46	2.59	2.59				
313	313	1800053648310				Longannet Power Station	1	-	2347.51	5.22	5.22				
848	848	1800060904910	648	648	1800060904929	Craigannet		-	100.10	1.99	1.99	-	2634.32	0.05	0.05
890	890	1800061032840	MSID 8366	MSID 8366	MSID 8366	Solwaybank	1	-	2052.40	2.38	2.38	-	18511.36	0.05	0.05
870	870	1800060963650	710	710	1800060963669	Millerhill EFW		-	1576.96	2.15	2.15	-	5914.15	0.05	0.05
MSID 8359	MSID 8359	MSID 8359	MSID 8360	MSID 8360	MSID 8360	Broxburn ESS		-	1338.06	0.99	0.99	-	1338.06	0.05	0.05
886	886	TBA 1A	686	686	TBA 1B	Sneddon Law WF		-	627.30	0.77	0.77	-	25461.96	0.05	0.05
897	897	1800061146877	715	715	1800061146886	Redhouse Energy Storage site (ESS)		-	719.29	1.10	1.10	-	681.42	0.05	0.05
895	895	1800061106740	713	713	1800061106759	Inverclyde Windfarm		-	5.99	0.92	0.92	-	958.50	0.05	0.05
911	911	1800061165986	950	950	1800061165995	Harelaw Gas		-	20.07	1.10	1.10	-	630.76	0.05	0.05
898	898	1800061148475	716	716	1800061148484	Byers Brae Battery Storage		-	629.53	1.10	1.10	-	629.53	0.05	0.05
893	893	1800061084529	711	711	1800061084510	Netherton Gas		-	120.28	1.10	1.10	-	3418.69	0.05	0.05
894	894	1800061084421	712	712	1800061084430	Carbrain Gas		-	101.38	1.10	1.10	-	2881.70	0.05	0.05
846	846	1800061175042	665	665	1800061175051	Leven Gas Generation		-	90.66	1.10	1.10	-	2876.10	0.05	0.05
896	896	1800061114388	714	714	1800061114397	Carmuir's Gas		-	81.80	2.07	2.07	-	2981.38	0.05	0.05
TBA 3A	TBA 3A	TBA 3A	TBA 3B	TBA 3B	TBA 3B	Abercorn Street		-	151.57	1.10	1.10	-	4833.83	0.05	0.05
859	859	1800035320127	697	697	1800060630637	GSK Irvine	4	-	37661.51	5.05	5.05	-	19315.66	0.05	0.05
866	866	1800051523646	TBA 8B	TBA 8B		Calachem RDF CHP Plant	3	0.708	27627.14	1.25	1.25	-	6496.12	0.05	0.05
TBA 14A	TBA 14A	TBA 9A	TBA 14B	TBA 14B	TBA 9B	Drumcross ESS		-	2100.39	1.10	1.10	-	2100.39	0.05	0.05
TBA 15A	TBA 15A	TBA 14A	TBA 15B	TBA 15B	TBA 14B	Easter Drumclair WF		-	326.94	1.32	1.32	-	4904.92	0.05	0.05
TBA 17A	TBA 17A	TBA 15A	TBA 17B	TBA 17B	TBA 15B	Camilla Farm ESS		-	2137.92	1.10	1.10	-	2137.92	0.05	0.05
TBA 10A	TBA 10A	TBA 17A	TBA 10B	TBA 10B	TBA 17B	Nairn Road Alpha		-	59.83	1.25	1.25	-	929.27	0.05	0.05
TBA 11A	TBA 11A	TBA 10A	TBA 11B	TBA 11B	TBA 10B	Nairn Road Bravo		-	72.84	1.25	1.25	-	1131.29	0.05	0.05
TBA 12A	TBA 12A	TBA 11A	TBA 12B	TBA 12B	TBA 11B	Southrigg 2 WF		-	435.61	1.25	1.25	-	5502.35	0.05	0.05
810	810	1800061177740	717	717	1800061177750	Abbotsburgh Reserve Power Facility		-	80.86	1.10	1.10	-	1616.49	0.05	0.05
TBA 19 A	TBA 19 A	TBA 19 A	TBA 19 B	TBA 19 B	TBA 19 B	Mochrumfell Wind Farm		-	324.62	1.49	1.49	-	12989.92	0.05	0.05
TBA 20 A	TBA 20 A	TBA 20 A	TBA 20 B	TBA 20 B	TBA 20 B	Greengairs East Wind Farm		-	236.77	1.10	1.10	-	21211.61	0.05	0.05
TBA 21 A	TBA 21 A	TBA 21 A	TBA 21 B	TBA 21 B	TBA 21 B	North Lanarkshire Bio Power		-	904.67	1.45	1.45	-	4455.49	0.05	0.05
TBA 22 A	TBA 22 A	TBA 22 A	TBA 22 B	TBA 22 B	TBA 22 B	Watsonhead		-	90.35	1.32	1.32	-	7662.05	0.05	0.05
TBA 23 A	TBA 23 A	TBA 23 A	TBA 23 B	TBA 23 B	TBA 23 B	Back Hareshaw		-	136.13	1.32	1.32	-	15922.34	0.05	0.05
TBA 24 A	TBA 24 A	TBA 24 A	TBA 24 B	TBA 24 B	TBA 24 B	Rigmuir (Virdor)		-	74.30	1.32	1.32	-	7689.16	0.05	0.05
849	849	849	649	649	649	Sorbie Windfarm		-	535.57	1.10	1.10	-	5342.39	0.05	0.05

See Annex 6

See Annex 6

See Annex 6

See Annex 6

See Annex 6

## Annex 3 - Schedule of charges for use of the distribution system by preserved/additional LLF classes

SP Distribution - 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			
Domestic Aggregated (Related MPAN)	130, 134, 135	2	7.778	0.844	0.016				
Non-Domestic Aggregated (Related MPAN)	223, 242, 243, 245, 246	3 or 4	10.009	1.086	0.021				
Unmetered Supplies	904, 905, 906, 907, 908, 909	0, 1 or 8	22.145	3.173	2.375				
Notes:	<p>Unit time periods are as specified in the SSC.</p> <p>SP Distribution uses a default tariff for invalid settlement combinations these will be charged at the Domestic Aggregated Unrestricted Rates. The Domestic and Non-Domestic Aggregated (related MPAN) tariffs are supplementary to a standard published tariff and therefore only available under these conditions.</p> <p>Preserved tariffs are only available to existing supplies, subject to certain conditions:</p> <p>a) Suppliers may not normally transfer a meter point from one preserved tariff to another preserved tariff;</p> <p>b) If a supply under a preserved tariff should cease, other than on change of tenancy, the preserved tariff may not normally be restored;</p> <p>c) Any additional load required to be supplied on the preserved tariff must be within the existing supply capacity.</p>								

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/kVAh
		0							
Notes:	<p><b>Time periods</b></p> <p>[Add DNO specific notes relevant to charges]</p> <p>Unit charges in the red time band apply – between [xxxx] and [xxxx], Monday to Friday including bank holidays.</p> <p>Unit charges in the amber time band apply – between [xxxx] and [xxxx], Monday to Friday including bank holidays.</p> <p>Unit charges in the green time band apply – between [xxxx] and [xxxx], Monday to Friday including bank holidays, and [xxxx] and [xxxx] Saturday and Sunday.</p> <p>All times are UK clock-time.</p> <p>[Add DNO specific notes]</p>								

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

SP Distribution - Effective from 1 April 2023 - Final LDNO tariffs								
Time Bands for LV and HV Designated Properties				Time Bands for Unmetered Properties				
Time periods	Red Time Band	Amber Time Band	Green Time Band		Black Time Band	Yellow Time Band	Green Time Band	
Monday to Friday (Including Bank Holidays) All Year	16.30 - 19.30	08.00 - 16.30 19.30 - 22.30	00.00 - 08.00 22.30 - 00.00		Monday to Friday (Including Bank Holidays) June to August Inclusive	08.00 - 22.30	00.00 - 08.00 22.30 - 00.00	
Saturday and Sunday All Year		16.00 - 20.00	00.00 - 16.00 20.00 - 00.00		Monday to Friday (Including Bank Holidays) November to February Inclusive	16.30 - 19.30	08.00 - 16.30 19.30 - 22.30	00.00 - 08.00 22.30 - 00.00
Notes	All the above times are in UK Clock time				Monday to Friday (Including Bank Holidays) March to May, & September to October, Inclusive	08.00 - 22.30	00.00 - 08.00 22.30 - 00.00	
					Saturday and Sunday All year	16.00 - 20.00	00.00-16.00 20.00-00.00	
					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			4.717	0.512	0.010	15.91			
LDNO LV: Domestic Aggregated (Related MPAN)			4.717	0.512	0.010				
LDNO LV: Non-Domestic Aggregated No Residual			6.070	0.659	0.012	3.83			
LDNO LV: Non-Domestic Aggregated Band 1			6.070	0.659	0.012	15.31			
LDNO LV: Non-Domestic Aggregated Band 2			6.070	0.659	0.012	32.93			
LDNO LV: Non-Domestic Aggregated Band 3			6.070	0.659	0.012	68.70			
LDNO LV: Non-Domestic Aggregated Band 4			6.070	0.659	0.012	196.04			
LDNO LV: Non-Domestic Aggregated (related MPAN)			6.070	0.659	0.012				
LDNO LV: LV Site Specific No Residual			3.971	0.408	0.007	14.76	1.58	2.29	0.101
LDNO LV: LV Site Specific Band 1			3.971	0.408	0.007	359.47	1.58	2.29	0.101
LDNO LV: LV Site Specific Band 2			3.971	0.408	0.007	623.57	1.58	2.29	0.101
LDNO LV: LV Site Specific Band 3			3.971	0.408	0.007	1050.17	1.58	2.29	0.101
LDNO LV: LV Site Specific Band 4			3.971	0.408	0.007	2185.41	1.58	2.29	0.101
LDNO LV: Unmetered Supplies			13.431	1.925	1.440				
LDNO LV: LV Generation Aggregated			-6.010	-0.652	-0.012	0.00			
LDNO LV: LV Generation Site Specific			-6.010	-0.652	-0.012	0.00			0.160
LDNO HV: Domestic Aggregated with Residual			3.098	0.336	0.006	11.41			
LDNO HV: Domestic Aggregated (Related MPAN)			3.098	0.336	0.006				
LDNO HV: Non-Domestic Aggregated No Residual			3.987	0.433	0.008	2.57			
LDNO HV: Non-Domestic Aggregated Band 1			3.987	0.433	0.008	10.11			
LDNO HV: Non-Domestic Aggregated Band 2			3.987	0.433	0.008	21.68			
LDNO HV: Non-Domestic Aggregated Band 3			3.987	0.433	0.008	45.18			
LDNO HV: Non-Domestic Aggregated Band 4			3.987	0.433	0.008	128.81			
LDNO HV: Non-Domestic Aggregated (related MPAN)			3.987	0.433	0.008				
LDNO HV: LV Site Specific No Residual			2.608	0.268	0.005	9.75	1.04	1.51	0.067
LDNO HV: LV Site Specific Band 1			2.608	0.268	0.005	236.15	1.04	1.51	0.067
LDNO HV: LV Site Specific Band 2			2.608	0.268	0.005	409.59	1.04	1.51	0.067
LDNO HV: LV Site Specific Band 3			2.608	0.268	0.005	689.77	1.04	1.51	0.067
LDNO HV: LV Site Specific Band 4			2.608	0.268	0.005	1435.37	1.04	1.51	0.067
LDNO HV: LV Sub Site Specific No Residual			2.473	0.211	0.003	5.75	3.12	3.55	0.048
LDNO HV: LV Sub Site Specific Band 1			2.473	0.211	0.003	379.71	3.12	3.55	0.048
LDNO HV: LV Sub Site Specific Band 2			2.473	0.211	0.003	666.21	3.12	3.55	0.048
LDNO HV: LV Sub Site Specific Band 3			2.473	0.211	0.003	1129.00	3.12	3.55	0.048
LDNO HV: LV Sub Site Specific Band 4			2.473	0.211	0.003	2360.57	3.12	3.55	0.048
LDNO HV: HV Site Specific No Residual			2.033	0.155	0.002	97.54	3.95	4.86	0.032
LDNO HV: HV Site Specific Band 1			2.033	0.155	0.002	2303.25	3.95	4.86	0.032
LDNO HV: HV Site Specific Band 2			2.033	0.155	0.002	6922.38	3.95	4.86	0.032
LDNO HV: HV Site Specific Band 3			2.033	0.155	0.002	14132.55	3.95	4.86	0.032
LDNO HV: HV Site Specific Band 4			2.033	0.155	0.002	36652.37	3.95	4.86	0.032
LDNO HV: Unmetered Supplies			8.821	1.264	0.946				
LDNO HV: LV Generation Aggregated			-6.010	-0.652	-0.012	0.00			
LDNO HV: LV Sub Generation Aggregated			-5.244	-0.554	-0.010	0.00			
LDNO HV: LV Generation Site Specific			-6.010	-0.652	-0.012	0.00			0.160
LDNO HV: LV Sub Generation Site Specific			-5.244	-0.554	-0.010	0.00			0.137
LDNO HV: HV Generation Site Specific			-3.299	-0.280	-0.004	0.00			0.109

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/kVAh
LDNO HVplus: Domestic Aggregated with Residual			1.843	0.200	0.004	7.92			
LDNO HVplus: Domestic Aggregated (Related MPAN)			1.843	0.200	0.004				
LDNO HVplus: Non-Domestic Aggregated No Residual			2.372	0.257	0.005	1.59			
LDNO HVplus: Non-Domestic Aggregated Band 1			2.372	0.257	0.005	6.08			
LDNO HVplus: Non-Domestic Aggregated Band 2			2.372	0.257	0.005	12.96			
LDNO HVplus: Non-Domestic Aggregated Band 3			2.372	0.257	0.005	26.94			
LDNO HVplus: Non-Domestic Aggregated Band 4			2.372	0.257	0.005	76.69			
LDNO HVplus: Non-Domestic Aggregated (related MPAN)			2.372	0.257	0.005				
LDNO HVplus: LV Site Specific No Residual			1.552	0.159	0.003	5.86	0.62	0.90	0.040
LDNO HVplus: LV Site Specific Band 1			1.552	0.159	0.003	140.55	0.62	0.90	0.040
LDNO HVplus: LV Site Specific Band 2			1.552	0.159	0.003	243.74	0.62	0.90	0.040
LDNO HVplus: LV Site Specific Band 3			1.552	0.159	0.003	410.42	0.62	0.90	0.040
LDNO HVplus: LV Site Specific Band 4			1.552	0.159	0.003	854.00	0.62	0.90	0.040
LDNO HVplus: LV Sub Site Specific No Residual			1.425	0.122	0.002	3.38	1.80	2.05	0.028
LDNO HVplus: LV Sub Site Specific Band 1			1.425	0.122	0.002	218.76	1.80	2.05	0.028
LDNO HVplus: LV Sub Site Specific Band 2			1.425	0.122	0.002	383.77	1.80	2.05	0.028
LDNO HVplus: LV Sub Site Specific Band 3			1.425	0.122	0.002	650.31	1.80	2.05	0.028
LDNO HVplus: LV Sub Site Specific Band 4			1.425	0.122	0.002	1359.63	1.80	2.05	0.028
LDNO HVplus: HV Site Specific No Residual			1.157	0.088	0.001	55.59	2.25	2.77	0.018
LDNO HVplus: HV Site Specific Band 1			1.157	0.088	0.001	1311.03	2.25	2.77	0.018
LDNO HVplus: HV Site Specific Band 2			1.157	0.088	0.001	3940.14	2.25	2.77	0.018
LDNO HVplus: HV Site Specific Band 3			1.157	0.088	0.001	8044.03	2.25	2.77	0.018
LDNO HVplus: HV Site Specific Band 4			1.157	0.088	0.001	20861.86	2.25	2.77	0.018
LDNO HVplus: Unmetered Supplies			5.248	0.752	0.563				
LDNO HVplus: LV Generation Aggregated			-2.277	-0.247	-0.005	0.00			
LDNO HVplus: LV Sub Generation Aggregated			-2.258	-0.238	-0.004	0.00			
LDNO HVplus: LV Generation Site Specific			-2.277	-0.247	-0.005	0.00			0.061
LDNO HVplus: LV Sub Generation Site Specific			-2.258	-0.238	-0.004	0.00			0.059
LDNO HVplus: HV Generation Site Specific			-3.299	-0.280	-0.004	94.00			0.109
LDNO EHV: Domestic Aggregated with Residual			0.898	0.097	0.002	5.29			
LDNO EHV: Domestic Aggregated (Related MPAN)			0.898	0.097	0.002				
LDNO EHV: Non-Domestic Aggregated No Residual			1.156	0.125	0.002	0.86			
LDNO EHV: Non-Domestic Aggregated Band 1			1.156	0.125	0.002	3.04			
LDNO EHV: Non-Domestic Aggregated Band 2			1.156	0.125	0.002	6.39			
LDNO EHV: Non-Domestic Aggregated Band 3			1.156	0.125	0.002	13.20			
LDNO EHV: Non-Domestic Aggregated Band 4			1.156	0.125	0.002	37.44			
LDNO EHV: Non-Domestic Aggregated (related MPAN)			1.156	0.125	0.002				
LDNO EHV: LV Site Specific No Residual			0.756	0.078	0.001	2.94	0.30	0.44	0.019
LDNO EHV: LV Site Specific Band 1			0.756	0.078	0.001	68.55	0.30	0.44	0.019
LDNO EHV: LV Site Specific Band 2			0.756	0.078	0.001	118.82	0.30	0.44	0.019
LDNO EHV: LV Site Specific Band 3			0.756	0.078	0.001	200.03	0.30	0.44	0.019
LDNO EHV: LV Site Specific Band 4			0.756	0.078	0.001	416.13	0.30	0.44	0.019
LDNO EHV: LV Sub Site Specific No Residual			0.694	0.059	0.001	1.73	0.88	1.00	0.013
LDNO EHV: LV Sub Site Specific Band 1			0.694	0.059	0.001	106.65	0.88	1.00	0.013
LDNO EHV: LV Sub Site Specific Band 2			0.694	0.059	0.001	187.04	0.88	1.00	0.013
LDNO EHV: LV Sub Site Specific Band 3			0.694	0.059	0.001	316.90	0.88	1.00	0.013
LDNO EHV: LV Sub Site Specific Band 4			0.694	0.059	0.001	662.46	0.88	1.00	0.013
LDNO EHV: HV Site Specific No Residual			0.564	0.043	0.001	27.16	1.10	1.35	0.009
LDNO EHV: HV Site Specific Band 1			0.564	0.043	0.001	638.79	1.10	1.35	0.009
LDNO EHV: HV Site Specific Band 2			0.564	0.043	0.001	1919.64	1.10	1.35	0.009
LDNO EHV: HV Site Specific Band 3			0.564	0.043	0.001	3918.96	1.10	1.35	0.009
LDNO EHV: HV Site Specific Band 4			0.564	0.043	0.001	10163.54	1.10	1.35	0.009
LDNO EHV: Unmetered Supplies			2.557	0.366	0.274				
LDNO EHV: LV Generation Aggregated			-1.109	-0.120	-0.002	0.00			
LDNO EHV: LV Sub Generation Aggregated			-1.100	-0.116	-0.002	0.00			

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 EHV: LV Generation Site Specific			-1.109	-0.120	-0.002	0.00			0.030
LDNO EHV: LV Sub Generation Site Specific			-1.100	-0.116	-0.002	0.00			0.029
LDNO EHV: HV Generation Site Specific			-1.607	-0.136	-0.002	45.79			0.053
LDNO 132kV/EHV: Domestic Aggregated with Residual			0.164	0.018	0.000	3.25			
LDNO 132kV/EHV: Domestic Aggregated (Related MPAN)			0.164	0.018	0.000				
LDNO 132kV/EHV: Non-Domestic Aggregated No Residual			0.212	0.023	0.000	0.28			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 1			0.212	0.023	0.000	0.68			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 2			0.212	0.023	0.000	1.30			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 3			0.212	0.023	0.000	2.54			
LDNO 132kV/EHV: Non-Domestic Aggregated Band 4			0.212	0.023	0.000	6.98			
LDNO 132kV/EHV: Non-Domestic Aggregated (related MPAN)			0.212	0.023	0.000				
LDNO 132kV/EHV: LV Site Specific No Residual			0.138	0.014	0.000	0.66	0.05	0.08	0.004
LDNO 132kV/EHV: LV Site Specific Band 1			0.138	0.014	0.000	12.68	0.05	0.08	0.004
LDNO 132kV/EHV: LV Site Specific Band 2			0.138	0.014	0.000	21.88	0.05	0.08	0.004
LDNO 132kV/EHV: LV Site Specific Band 3			0.138	0.014	0.000	36.75	0.05	0.08	0.004
LDNO 132kV/EHV: LV Site Specific Band 4			0.138	0.014	0.000	76.31	0.05	0.08	0.004
LDNO 132kV/EHV: LV Sub Site Specific No Residual			0.127	0.011	0.000	0.44	0.16	0.18	0.002
LDNO 132kV/EHV: LV Sub Site Specific Band 1			0.127	0.011	0.000	19.65	0.16	0.18	0.002
LDNO 132kV/EHV: LV Sub Site Specific Band 2			0.127	0.011	0.000	34.37	0.16	0.18	0.002
LDNO 132kV/EHV: LV Sub Site Specific Band 3			0.127	0.011	0.000	58.14	0.16	0.18	0.002
LDNO 132kV/EHV: LV Sub Site Specific Band 4			0.127	0.011	0.000	121.41	0.16	0.18	0.002
LDNO 132kV/EHV: HV Site Specific No Residual			0.103	0.008	0.000	5.10	0.20	0.25	0.002
LDNO 132kV/EHV: HV Site Specific Band 1			0.103	0.008	0.000	117.07	0.20	0.25	0.002
LDNO 132kV/EHV: HV Site Specific Band 2			0.103	0.008	0.000	351.57	0.20	0.25	0.002
LDNO 132kV/EHV: HV Site Specific Band 3			0.103	0.008	0.000	717.59	0.20	0.25	0.002
LDNO 132kV/EHV: HV Site Specific Band 4			0.103	0.008	0.000	1860.82	0.20	0.25	0.002
LDNO 132kV/EHV: Unmetered Supplies			0.468	0.067	0.050				
LDNO 132kV/EHV: LV Generation Aggregated			-0.203	-0.022	0.000	0.00			
LDNO 132kV/EHV: LV Sub Generation Aggregated			-0.201	-0.021	0.000	0.00			
LDNO 132kV/EHV: LV Generation Site Specific			-0.203	-0.022	0.000	0.00			0.005
LDNO 132kV/EHV: LV Sub Generation Site Specific			-0.201	-0.021	0.000	0.00			0.005
LDNO 132kV/EHV: HV Generation Site Specific			-0.294	-0.025	0.000	8.38			0.010
LDNO 132kV: Domestic Aggregated with Residual			0.000	0.000	0.000	2.79			
LDNO 132kV: Domestic Aggregated (Related MPAN)			0.000	0.000	0.000				
LDNO 132kV: Non-Domestic Aggregated No Residual			0.000	0.000	0.000	0.16			
LDNO 132kV: Non-Domestic Aggregated Band 1			0.000	0.000	0.000	0.16			
LDNO 132kV: Non-Domestic Aggregated Band 2			0.000	0.000	0.000	0.16			
LDNO 132kV: Non-Domestic Aggregated Band 3			0.000	0.000	0.000	0.16			
LDNO 132kV: Non-Domestic Aggregated Band 4			0.000	0.000	0.000	0.16			
LDNO 132kV: Non-Domestic Aggregated (related MPAN)			0.000	0.000	0.000				
LDNO 132kV: LV Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Sub Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Sub Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Sub Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Sub Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: LV Sub Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: HV Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: HV Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: HV Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: HV Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 132kV: HV Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000

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/kVAh
LDNO 132kV: Unmetered Supplies			0.000	0.000	0.000				
LDNO 132kV: LV Generation Aggregated			0.000	0.000	0.000	0.00			
LDNO 132kV: LV Sub Generation Aggregated			0.000	0.000	0.000	0.00			
LDNO 132kV: LV Generation Site Specific			0.000	0.000	0.000	0.00			0.000
LDNO 132kV: LV Sub Generation Site Specific			0.000	0.000	0.000	0.00			0.000
LDNO 132kV: HV Generation Site Specific			0.000	0.000	0.000	0.00			0.000
LDNO 0000: Domestic Aggregated with Residual			0.000	0.000	0.000	2.79			
LDNO 0000: Domestic Aggregated (Related MPAN)			0.000	0.000	0.000				
LDNO 0000: Non-Domestic Aggregated No Residual			0.000	0.000	0.000	0.16			
LDNO 0000: Non-Domestic Aggregated Band 1			0.000	0.000	0.000	0.16			
LDNO 0000: Non-Domestic Aggregated Band 2			0.000	0.000	0.000	0.16			
LDNO 0000: Non-Domestic Aggregated Band 3			0.000	0.000	0.000	0.16			
LDNO 0000: Non-Domestic Aggregated Band 4			0.000	0.000	0.000	0.16			
LDNO 0000: Non-Domestic Aggregated (related MPAN)			0.000	0.000	0.000				
LDNO 0000: LV Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Sub Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Sub Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Sub Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Sub Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: LV Sub Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: HV Site Specific No Residual			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: HV Site Specific Band 1			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: HV Site Specific Band 2			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: HV Site Specific Band 3			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: HV Site Specific Band 4			0.000	0.000	0.000	0.16	0.00	0.00	0.000
LDNO 0000: Unmetered Supplies			0.000	0.000	0.000				
LDNO 0000: LV Generation Aggregated			0.000	0.000	0.000	0.00			
LDNO 0000: LV Sub Generation Aggregated			0.000	0.000	0.000	0.00			
LDNO 0000: LV Generation Site Specific			0.000	0.000	0.000	0.00			0.000
LDNO 0000: LV Sub Generation Site Specific			0.000	0.000	0.000	0.00			0.000
LDNO 0000: HV Generation Site Specific			0.000	0.000	0.000	0.00			0.000



## Annex 5 - Schedule of line loss factors

SP Distribution - Illustrative LLFs for year beginning 1 April 2023					
Time periods	Period 1	Period 2	Period 3	Period 4	
	(Name 1)	(Name 2)	(Name 3)	(Name 4)	
Monday to Friday March to October	23:30 – 07:30	07:30 – 23:30			
Monday to Friday November to February	23:30 – 07:30	20:00 – 23:30	07:30 – 16:00 19:00 – 20:00	16:00 – 19:00	
Saturday and Sunday All Year	23:30 – 07:30	07:30 – 23:30			
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
Low-voltage network	1.089	1.105	1.122	1.138	100, 101, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 130, 132, 133, 134, 135, 136, 137, 160, 161, 162, 163, 164, 165, 166, 180, 223, 225, 240, 241, 242, 243, 245, 246, 603, 604, 607, 608, 781, 782, 783, 784, 785, 794, 795, 900, 901, 902, 903, 910 D00, D01, D02, D03, D04, G00, G01, G02, G03, G04, H00, H01, H02, H03, H04
Low-voltage substation	1.046	1.044	1.045	1.047	602, 609, 610, 796, 797, K00, K01, K02, K03, K04, L00, L01, L02, L03, L04
High-voltage network	1.023	1.024	1.027	1.029	301, 600, 601, 605, 606, 611, 612, 615, 616, 617, 798, 799 F00, F01, F02, F03, M00, M01, M02, M03, M04, N00, N01, N02, N03, N04
High-voltage substation	1.014	1.013	1.012	1.013	310 - 340 inclusive 750 - 765 inclusive 862, 866, 867
33kV generic import	1.003	1.002	1.003	1.004	
33kV generic export	1.000	1.000	1.000	1.000	

EHV site specific LLFs					
Demand					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Rhoddars	1.003	1.004	1.004	1.005	800
Minsca	1.003	1.004	1.005	1.005	801
Bankend Rig	1.003	1.004	1.005	1.005	802
Barlockhart Moor	1.003	1.004	1.005	1.005	803
Blantyre Muir	1.003	1.004	1.005	1.005	804
Hunterston WF	1.003	1.004	1.004	1.005	805
Middleton Farm	1.003	1.004	1.005	1.005	806
Neilston Community	1.003	1.004	1.005	1.005	807
Garlaff Landfill	1.003	1.004	1.005	1.005	808
Hagshaw Hill Extension	1.003	1.004	1.004	1.005	809
Muirhall	1.003	1.004	1.005	1.005	811
Burnfoot	1.003	1.004	1.005	1.005	812
Westfield WF	1.003	1.004	1.005	1.005	813
Barmoor WF	1.003	1.004	1.004	1.005	814
Nutberry WF	1.003	1.004	1.004	1.005	815
Carcreegh WF	1.003	1.004	1.004	1.005	816
Magnox	1.001	1.001	1.002	1.003	817
West Browncastle WF	1.003	1.004	1.004	1.005	818
Viridor (Waste energy)	1.004	1.006	1.007	1.009	819
Craigengelt	1.003	1.004	1.004	1.005	820
Greenknowes	1.003	1.004	1.004	1.005	821
Ewe Hill Dumfries WF	1.003	1.004	1.005	1.005	822
Langhope Rig (D) WF	1.003	1.004	1.004	1.005	823
Muirhall Extention WF	1.003	1.004	1.004	1.005	824
Aikengall	1.003	1.004	1.005	1.005	825
Hagshaw Hill	1.003	1.004	1.005	1.005	826
Gallow Rig	1.003	1.004	1.005	1.005	827
Polwhar Rig	1.003	1.004	1.005	1.005	828
Greendykeside	1.003	1.004	1.005	1.005	829
Dun Law	1.003	1.004	1.005	1.005	830
EPR Scotland Ltd	1.000	1.000	1.000	1.000	831
Bowbeat (Emly Bank)	1.003	1.004	1.005	1.005	832
Bowbeat (Roughsidehill)	1.003	1.004	1.005	1.005	833
Harehill	1.003	1.004	1.005	1.005	834
Shanks & McEwan 3&4	1.003	1.004	1.005	1.005	835
Shanks & McEwan 5	1.003	1.004	1.005	1.005	836
Crystal Rig	1.003	1.004	1.005	1.005	837
Hauptland Muir (Ardrossan)	1.003	1.004	1.005	1.005	838
Wetherhill	1.003	1.004	1.005	1.005	839
Artfield WF	1.003	1.004	1.005	1.005	840
Wardlaw Wood	1.003	1.004	1.005	1.005	841
Earlsburn	1.003	1.004	1.005	1.005	842
Blackhill	1.003	1.004	1.005	1.005	843
Dalswinton	1.003	1.004	1.005	1.005	844
Steven's Croft Biomass	1.000	1.001	1.001	1.005	845
Longpark	1.003	1.004	1.004	1.005	850
BOC	1.002	1.002	1.002	1.002	851
Calder Water WF	1.003	1.004	1.004	1.005	852
Babcock Thorn	1.004	1.004	1.005	1.005	853
Lafarge UK	1.003	1.003	1.003	1.004	854
Pateshill	1.003	1.004	1.005	1.005	855

EHV site specific LLFs					
Demand					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Clydeport	1.003	1.004	1.005	1.005	856
Tesco	1.000	1.000	1.000	1.000	858
Gevens Wind Farm	1.003	1.004	1.005	1.005	860
Weir Pumps	1.003	1.004	1.004	1.005	861
Dupont (UK) Ltd	1.014	1.013	1.012	1.013	862
North Rhins	1.003	1.004	1.005	1.005	863
Tod Hills Windfarm	1.003	1.004	1.004	1.005	864
Hoprigshiels	1.003	1.004	1.005	1.005	865
MuirHall Extension II WF	1.003	1.004	1.004	1.005	868
Polmadie (Waste energy A)	1.000	1.000	1.000	1.000	887
Millour Hill	1.003	1.004	1.005	1.005	873
Glenkerie	1.003	1.004	1.005	1.005	874
Kelburn (A)	1.003	1.004	1.005	1.005	875
Kelburn (B)	1.003	1.004	1.005	1.005	876
Little Raith	1.003	1.004	1.005	1.005	877
Drone Hill	1.003	1.004	1.005	1.005	878
Pearie Law Wind Farm	1.003	1.004	1.005	1.005	879
Earlseat WF	1.003	1.004	1.004	1.005	880
Dungavel WF	1.003	1.004	1.004	1.005	881
Burnhead Bathgate WF	1.003	1.004	1.004	1.005	882
Shanks & McEwan 6	1.003	1.004	1.005	1.005	883
Ardoch & Over Enoch WF	1.003	1.004	1.004	1.005	884
Glenchamber	1.003	1.004	1.005	1.005	888
Penmansheill	1.003	1.004	1.005	1.005	889
Tormywheel	1.003	1.004	1.005	1.005	891
Quixwood Wind Farm	1.003	1.004	1.005	1.005	892
Dumbarton	1.000	1.000	1.000	1.000	MSID 8083
Stirling Road	1.000	1.000	1.000	1.000	MSID 8085
Markinch	0.995	0.995	0.995	0.995	MSID 8334
Harehill Extension	0.995	0.999	0.998	1.000	MSID 8339
Aries	1.003	1.004	1.005	1.005	847
Andershaw WF	0.989	0.989	0.988	0.989	MSID 8341
Assel Valley	0.991	0.991	0.989	0.989	MSID 8347
Auchrobert	0.989	0.989	0.987	0.987	MSID 8348
Harburnhead	0.997	0.997	0.997	0.997	MSID 8349
Craigannet	1.003	1.004	1.005	1.005	848
Solwaybank	1.003	1.004	1.004	1.005	890
Millerhill EFW	1.003	1.004	1.004	1.005	870
Broxburn ESS	1.000	1.000	1.001	1.001	MSID 8359
Sneddon Law WF	1.003	1.002	1.003	1.004	886
Redhouse Energy Storage site (ESS)	1.001	1.002	1.002	1.004	897
Inverclyde Windfarm	1.003	1.002	1.003	1.004	895
Harelaw Gas	1.003	1.002	1.003	1.004	911
Byers Brae Battery Storage	1.000	1.001	1.001	1.001	898
Netherton Gas	1.003	1.002	1.003	1.004	893
Carbrain Gas	1.003	1.002	1.003	1.004	894
Leven Gas Generation	1.003	1.002	1.003	1.004	846
Carmuir's Gas	1.003	1.000	1.003	1.004	896
GSK Irvine	1.005	1.005	1.006	1.005	859
Abbotshaugh Reserve Power Facility	1.003	1.002	1.003	1.004	810
Sorbie Windfarm	1.003	1.002	1.003	1.004	849

EHV site specific LLFs					
Generation					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Rhoddors	0.999	0.999	0.999	0.999	644
Minsca	0.992	0.991	0.991	0.992	MSID 8182
Bankend Rig	0.996	0.999	0.997	1.000	683
Barlockhart Moor	0.997	0.998	0.997	0.997	684
Blantyre Muir	0.997	0.997	0.997	0.996	685
Middleton Farm	0.996	0.997	0.996	0.997	688
Neilston Community	0.996	0.996	0.996	0.996	689
Garlaff Landfill	0.996	0.997	0.996	0.996	681
Hagshaw Hill Extension	0.992	0.992	0.990	0.990	629
Muirhall	0.997	0.996	0.996	0.997	671
Burnfoot	0.996	0.996	0.996	0.995	672
Westfield WF	0.998	0.998	0.998	0.998	690
Barmoor WF	0.992	0.992	0.992	0.993	691
Nutberry WF	0.993	0.995	0.993	0.994	692
Carcreegh WF	0.997	0.996	0.995	0.995	695
West Browncastle WF	0.995	0.995	0.994	0.994	700
Viridor (Waste energy)	0.993	0.994	0.995	0.995	699
Craigengelt	0.983	0.983	0.979	0.979	620
Greenknowes	0.992	0.992	0.989	0.989	621
Ewe Hill Dumfries WF	0.997	1.001	1.002	1.004	703
Langhope Rig (D) WF	1.000	1.000	1.000	1.000	704
Muirhall Extention WF	0.998	0.998	0.998	0.998	705
Aikengall	0.988	0.989	0.985	0.985	625
Hagshaw Hill	0.999	1.001	1.002	1.003	626
Gallow Rig	1.008	1.013	1.016	1.020	627
Polwhat Rig	1.005	1.011	1.013	1.017	628
Greendykeside	0.999	0.999	0.999	0.999	624
Dun Law	0.981	0.982	0.978	0.982	630
EPR Scotland Ltd	0.999	0.999	0.999	0.999	631
Bowbeat (Emly Bank)	1.006	1.014	1.018	1.024	632
Bowbeat (Roughsidehill)	1.007	1.015	1.018	1.025	633
Harehill	1.000	1.005	1.006	1.010	634
Shanks & McEwan 3&4	0.999	0.999	0.999	0.999	635
Shanks & McEwan 5	1.000	1.000	1.000	1.000	636
Crystal Rig	1.000	1.000	1.000	1.000	637
Hauptland Muir (Ardrossan)	0.998	0.999	0.999	1.000	638
Wetherhill	0.992	0.996	0.996	0.998	639
Artfield WF	1.000	1.000	1.000	1.000	640
Wardlaw Wood	0.994	0.998	1.001	1.004	641
Earlsburn	0.985	0.984	0.983	0.982	642
Blackhill	1.005	1.010	1.014	1.017	643
Dalswinton	0.995	0.995	0.995	0.996	MSID 8183
Steven's Croft Biomass	0.979	0.979	0.977	0.977	645
Longpark	0.996	0.997	0.997	0.998	650
Calder Water WF	0.994	0.994	0.992	0.992	696
Lafarge UK	1.001	1.001	1.002	1.002	654

EHV site specific LLFs					
Generation					
Site	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Pateshill	0.998	0.998	0.997	0.997	655
Gevens Wind Farm	1.000	1.000	1.000	1.000	666
North Rhins	0.985	0.989	0.99	0.994	663
Tod Hills Windfarm	0.997	0.997	0.996	0.996	698
Hoprigshiels	0.996	0.996	0.996	0.995	670
MuirHall Extension II WF	0.998	0.998	0.997	0.997	664
Polmadie (Waste energy A)	1.000	1.000	1.000	1.000	706
Millour Hill	0.991	0.991	0.991	0.992	673
Glenkerie	0.976	0.981	0.978	0.983	674
Kelburn (A)	0.985	0.986	0.986	0.987	675
Kelburn (B)	1.005	1.013	1.02	1.027	676
Little Raith	0.999	0.999	0.998	0.998	677
Drone Hill	0.992	0.991	0.989	0.991	678
Pearie Law Wind Farm	0.996	0.996	0.996	0.996	680
Earlseat WF	0.998	0.998	0.997	0.998	701
Dungavel WF	0.991	0.992	0.99	0.989	702
Burnhead Bathgate WF	0.998	0.998	0.997	0.997	687
Shanks & McEwan 6	1.000	1.000	1.000	1.000	636
Ardoch & Over Enoch WF	0.995	0.995	0.994	0.995	679
Glenchamber	0.995	0.996	0.995	0.995	MSID 8732
Penmansheill	0.991	0.992	0.991	0.992	708
Tormywheel	0.998	1.000	1.000	1.002	668
Quixwood Wind Farm	0.984	0.984	0.982	0.983	669
Markinch	0.995	0.995	0.995	0.995	MSID 8334
Harehill Extension	0.995	0.999	0.998	1.000	MSID 8339
Aries	0.981	0.982	0.976	0.978	MSID 8340
Andershaw WF	0.989	0.989	0.988	0.989	MSID 8341
Assel Valley	0.991	0.991	0.989	0.989	MSID 8347
Auchrobert	0.989	0.989	0.987	0.987	MSID 8348
Harburnhead	0.997	0.997	0.997	0.997	MSID 8349
Craigannet	1.000	1.000	1.000	1.000	648
Solwaybank	0.977	0.976	0.971	0.969	MSID 8366
Millerhill EFW	0.996	0.997	0.997	0.997	710
Broxburn ESS	1.000	1.000	1.001	1.001	MSID 8360
Sneddon Law WF	1.000	1.000	1.000	1.000	686
Redhouse Energy Storage site (ESS)	1.000	1.000	1.000	1.000	715
Inverclyde Windfarm	0.999	0.999	0.998	0.998	713
Harelaw Gas	1.000	1.000	1.000	1.000	950
Byers Brae Battery Storage	1.000	1.000	1.000	1.000	716
Netherton Gas	1.000	0.999	0.999	0.999	711
Carbrain Gas	1.000	1.000	1.000	0.999	712
Leven Gas Generation	1.000	1.000	1.000	1.000	665
Carmuir's Gas	1.000	1.000	1.000	1.000	714
GSK Irvine	1.013	1.019	1.023	1.027	697
Abbotshaugh Reserve Power Facility	1.000	1.000	1.000	1.000	717
Sorbie Windfarm	1.000	1.000	1.000	1.000	649

## Annex 6 - Charges for New or Amended Designated EHV Properties

Annex 6 - Charges for New or Amended Designated EHV Properties																
SP Distribution - Effective from 1 April 2023 - Final new designated EHV charges																
Effective from date	Import Unique Identifier	LLFC	Import MPAN/MSDs	Export Unique Identifier	LLFC	Export MPAN/MSDs	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)
01/4/23	EDCM import 1	863	1800060207438	EDCM export 1	663	1800060207447	North Rhine	-	-	260.29	1.05	1.05	-	7822.94	0.05	0.05
01/4/23	EDCM import 2	878	1800060445640	EDCM export 2	678	1800060445659	Dixie Hill	-	-	470.83	0.89	0.89	-	23091.96	0.05	0.05
01/4/23	EDCM import 3	819	1800060632661	EDCM export 3	699	1800060632670	Viridor (Waste energy)	-	-	787.31	1.90	1.90	-1.122	8336.18	0.05	0.05
01/4/23	EDCM import 4	854	1800033261359	EDCM export 4	654	1800033946507	Lafarge UK	4	-	23397.55	2.75	2.75	-1.122	771.95	0.05	0.05
01/4/23	EDCM import 5	870	1800060963650	EDCM export 5	710	1800060963669	Millenhill EFW	-	-	1576.96	2.15	2.15	-1.831	5914.15	0.05	0.05
01/4/23	EDCM import 6	896	1800061114388	EDCM export 6	714	1800061114397	Carmarvon Gas	-	-	81.80	2.07	2.07	-1.369	2981.38	0.05	0.05
01/4/23	EDCM import 7	866	1800061523646	EDCM export 7	TBA-88		Glasgow 808 CHP Plant	3	6.708	27627.14	1.25	1.25	-6.708	6496.12	0.05	0.05
01/4/23	EDCM import 8	TBA 21 A	TBA 21 A	EDCM export 8	TBA 21 B	TBA 21 B	North Lantau/Brevoort Power	-	-	904.67	1.45	1.45	-6.494	4455.49	0.05	0.05
01/4/23	EDCM import 9	324	180003334227	EDCM export 9	324	180003334227	Edinburgh Dock North	2	-	30878.26	1.080	1.080	-	-	-	-
01/4/23	EDCM import 10	869	180003330127	EDCM export 10	697	1800060630637	GSX Irvine	4	-	32834.63	5.030	5.030	-	13982.47	0.05	0.05
01/4/23	EDCM import 11	857	1800061230181	EDCM export 11	647	1800061230190	Howpark Windfarm	-	-	133.75	1.320	1.320	-	11671.69	0.05	0.05
01/4/23	EDCM import 12	919	1800061252352	EDCM export 12	619	1800061252361	Caledon Gas	-	-	200.01	1.100	1.100	-	5996.39	0.05	0.05

SP Distribution - Effective from 1 April 2023 - Final new designated EHV line loss factors																
Effective from date	Import Unique Identifier	LLFC	Import MPAN/MSDs	Export Unique Identifier	LLFC	Export MPAN/MSDs	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												

**Annex 7 - Final Supplier of Last Resort and Bad Debt Pass-through Costs**





SP Distribution - 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	100, 101, 110, 111, 114, 115, 118, 119, 120, 121, 160, 161, 162, 163, 180	0, 1, 2	0.14	2.49	0.16
Non-Domestic Aggregated No Residual	D00,F00	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 1	D01,F01	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 2	D02,F02	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 3	D03,F03	0, 3, 4, 5-8			0.16
Non-Domestic Aggregated Band 4	D04,F04	0, 3, 4, 5-8			0.16
LV Site Specific No Residual	G00, H00	0			0.16
LV Site Specific Band 1	G01, H01	0			0.16
LV Site Specific Band 2	G02, H02	0			0.16
LV Site Specific Band 3	G03, H03	0			0.16
LV Site Specific Band 4	G04, H04	0			0.16
LV Sub Site Specific No Residual	K00, L00	0			0.16
LV Sub Site Specific Band 1	K01, L01	0			0.16
LV Sub Site Specific Band 2	K02, L02	0			0.16
LV Sub Site Specific Band 3	K03, L03	0			0.16
LV Sub Site Specific Band 4	K04, L04	0			0.16
HV Site Specific No Residual	M00, N00	0			0.16
HV Site Specific Band 1	M01, N01	0			0.16
HV Site Specific Band 2	M02, N02	0			0.16
HV Site Specific Band 3	M03, N03	0			0.16
HV Site Specific Band 4	M04, N04	0			0.16
LDNO LV: Domestic Aggregated		0, 1, 2	0.14	2.50	0.16
LDNO LV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO LV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16
LDNO LV: LV Site Specific No Residual		0			0.16
LDNO LV: LV Site Specific Band 1		0			0.16
LDNO LV: LV Site Specific Band 2		0			0.16
LDNO LV: LV Site Specific Band 3		0			0.16
LDNO LV: LV Site Specific Band 4		0			0.16
LDNO HV: Domestic Aggregated		0, 1, 2	0.14	2.50	0.16
LDNO HV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16

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: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO HV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16
LDNO HV: LV Site Specific No Residual		0			0.16
LDNO HV: LV Site Specific Band 1		0			0.16
LDNO HV: LV Site Specific Band 2		0			0.16
LDNO HV: LV Site Specific Band 3		0			0.16
LDNO HV: LV Site Specific Band 4		0			0.16
LDNO HV: LV Sub Site Specific No Residual		0			0.16
LDNO HV: LV Sub Site Specific Band 1		0			0.16
LDNO HV: LV Sub Site Specific Band 2		0			0.16
LDNO HV: LV Sub Site Specific Band 3		0			0.16
LDNO HV: LV Sub Site Specific Band 4		0			0.16
LDNO HV: HV Site Specific No Residual		0			0.16
LDNO HV: HV Site Specific Band 1		0			0.16
LDNO HV: HV Site Specific Band 2		0			0.16
LDNO HV: HV Site Specific Band 3		0			0.16
LDNO HV: HV Site Specific Band 4		0			0.16
LDNO HVplus: Domestic Aggregated		0, 1, 2	0.14	2.50	0.16
LDNO HVplus: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO HVplus: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16
LDNO HVplus: LV Site Specific No Residual		0			0.16
LDNO HVplus: LV Site Specific Band 1		0			0.16
LDNO HVplus: LV Site Specific Band 2		0			0.16
LDNO HVplus: LV Site Specific Band 3		0			0.16
LDNO HVplus: LV Site Specific Band 4		0			0.16
LDNO HVplus: LV Sub Site Specific No Residual		0			0.16
LDNO HVplus: LV Sub Site Specific Band 1		0			0.16
LDNO HVplus: LV Sub Site Specific Band 2		0			0.16
LDNO HVplus: LV Sub Site Specific Band 3		0			0.16
LDNO HVplus: LV Sub Site Specific Band 4		0			0.16
LDNO HVplus: HV Site Specific No Residual		0			0.16
LDNO HVplus: HV Site Specific Band 1		0			0.16
LDNO HVplus: HV Site Specific Band 2		0			0.16
LDNO HVplus: HV Site Specific Band 3		0			0.16
LDNO HVplus: HV Site Specific Band 4		0			0.16
LDNO EHV: Domestic Aggregated		0, 1, 2	0.14	2.50	0.16
LDNO EHV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO EHV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16

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: LV Site Specific No Residual		0			0.16
LDNO EHV: LV Site Specific Band 1		0			0.16
LDNO EHV: LV Site Specific Band 2		0			0.16
LDNO EHV: LV Site Specific Band 3		0			0.16
LDNO EHV: LV Site Specific Band 4		0			0.16
LDNO EHV: LV Sub Site Specific No Residual		0			0.16
LDNO EHV: LV Sub Site Specific Band 1		0			0.16
LDNO EHV: LV Sub Site Specific Band 2		0			0.16
LDNO EHV: LV Sub Site Specific Band 3		0			0.16
LDNO EHV: LV Sub Site Specific Band 4		0			0.16
LDNO EHV: HV Site Specific No Residual		0			0.16
LDNO EHV: HV Site Specific Band 1		0			0.16
LDNO EHV: HV Site Specific Band 2		0			0.16
LDNO EHV: HV Site Specific Band 3		0			0.16
LDNO EHV: HV Site Specific Band 4		0			0.16
LDNO 132kV/EHV: Domestic Aggregated		0, 1, 2	0.14	2.50	0.16
LDNO 132kV/EHV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16
LDNO 132kV/EHV: LV Site Specific No Residual		0			0.16
LDNO 132kV/EHV: LV Site Specific Band 1		0			0.16
LDNO 132kV/EHV: LV Site Specific Band 2		0			0.16
LDNO 132kV/EHV: LV Site Specific Band 3		0			0.16
LDNO 132kV/EHV: LV Site Specific Band 4		0			0.16
LDNO 132kV/EHV: LV Sub Site Specific No Residual		0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 1		0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 2		0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 3		0			0.16
LDNO 132kV/EHV: LV Sub Site Specific Band 4		0			0.16
LDNO 132kV/EHV: HV Site Specific No Residual		0			0.16
LDNO 132kV/EHV: HV Site Specific Band 1		0			0.16
LDNO 132kV/EHV: HV Site Specific Band 2		0			0.16
LDNO 132kV/EHV: HV Site Specific Band 3		0			0.16
LDNO 132kV/EHV: HV Site Specific Band 4		0			0.16
LDNO 132kV: Domestic Aggregated		0, 1, 2	0.14	2.49	0.16
LDNO 132kV: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO 132kV: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16

SP Distribution - 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
LDNO 132kV: LV Site Specific No Residual		0			0.16
LDNO 132kV: LV Site Specific Band 1		0			0.16
LDNO 132kV: LV Site Specific Band 2		0			0.16
LDNO 132kV: LV Site Specific Band 3		0			0.16
LDNO 132kV: LV Site Specific Band 4		0			0.16
LDNO 132kV: LV Sub Site Specific No Residual		0			0.16
LDNO 132kV: LV Sub Site Specific Band 1		0			0.16
LDNO 132kV: LV Sub Site Specific Band 2		0			0.16
LDNO 132kV: LV Sub Site Specific Band 3		0			0.16
LDNO 132kV: LV Sub Site Specific Band 4		0			0.16
LDNO 132kV: HV Site Specific No Residual		0			0.16
LDNO 132kV: HV Site Specific Band 1		0			0.16
LDNO 132kV: HV Site Specific Band 2		0			0.16
LDNO 132kV: HV Site Specific Band 3		0			0.16
LDNO 132kV: HV Site Specific Band 4		0			0.16
LDNO 0000: Domestic Aggregated		0, 1, 2	0.14	2.49	0.16
LDNO 0000: Non-Domestic Aggregated No Residual		0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 1		0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 2		0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 3		0, 3, 4, 5-8			0.16
LDNO 0000: Non-Domestic Aggregated Band 4		0, 3, 4, 5-8			0.16
LDNO 0000: LV Site Specific No Residual		0			0.16
LDNO 0000: LV Site Specific Band 1		0			0.16
LDNO 0000: LV Site Specific Band 2		0			0.16
LDNO 0000: LV Site Specific Band 3		0			0.16
LDNO 0000: LV Site Specific Band 4		0			0.16
LDNO 0000: LV Sub Site Specific No Residual		0			0.16
LDNO 0000: LV Sub Site Specific Band 1		0			0.16
LDNO 0000: LV Sub Site Specific Band 2		0			0.16
LDNO 0000: LV Sub Site Specific Band 3		0			0.16
LDNO 0000: LV Sub Site Specific Band 4		0			0.16
LDNO 0000: HV Site Specific No Residual		0			0.16
LDNO 0000: HV Site Specific Band 1		0			0.16
LDNO 0000: HV Site Specific Band 2		0			0.16
LDNO 0000: HV Site Specific Band 3		0			0.16
LDNO 0000: HV Site Specific Band 4		0			0.16

\*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)

