



Scottish & Southern
Electricity Networks

Scottish Hydro Electric Power Distribution plc

Use of System Charging Statement

NOTICE OF CHARGES

Effective from 1st April 2020

Version 1.0

**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
V 1.0	01/04/2020	SHEPD DUoS Charges Final April 2020 (LC14 format)

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

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1. Introduction

- 1.1 This statement tells you about our charges and the reasons behind them. It has been prepared consistent with Standard Licence Condition 14 of our Electricity Distribution Licence. The main purpose of this statement is to provide our schedule of charges¹ for the use of our Distribution System and to provide the schedule of Line Loss Factors² 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)³:
 - Common Distribution Charging Methodology (CDCM); for Low Voltage (LV) and High Voltage (HV) Designated Properties as per DCUSA Schedule 16; and
 - Extra-High Voltage (EHV) Distribution Charging Methodology (EDCM) for Designated EHV Properties as per DCUSA Schedule 17.
- 1.4 Separate charges are calculated depending on the characteristics of the connection and whether the use of the Distribution System is for demand or generation purposes. Where a generation connection is seen to support the Distribution System the charges will be negative and the Supplier will receive credits for exported energy.
- 1.5 The application of charges to premises can usually be referenced using the Line Loss Factor Class (LLFC) contained in the charge tables. Further information on how to identify and calculate the charge that will apply for your premises is provided in the guidance notes in Appendix 2.
- 1.6 All charges in this statement are shown **exclusive** of VAT. Invoices will include VAT at the applicable rate.
- 1.7 The annexes that form part of this statement are also available in spreadsheet format. This spreadsheet contains supplementary information used for charging purposes and a simple model to assist you to calculate charges. This spreadsheet can be downloaded from our website www.ssen.co.uk.

Validity period

- 1.8 This charging statement is valid for services provided from the effective date stated on the front of the statement and remains valid until updated by a revised version or superseded by a statement with a later effective date.
- 1.9 When using this charging statement care should be taken to ensure that the relevant statement or statements covering the period that is of interest are used.
- 1.10 Notice of any revision to the statement will be provided to Users of our Distribution System. The latest statements can be downloaded from www.ssen.co.uk.

¹ Charges can be positive or negative.

² 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

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

Contact details

1.11 If you have any questions about this statement please contact us at the address shown below:

Distribution Pricing Team
Scottish Hydro Electric Power Distribution plc
Inveralmond House
200 Dunkeld Road
Perth
PH1 3AQ
Email: DistributionPricingTeam@sse.com

1.12 All enquiries regarding Connection Agreements and changes to Maximum Capacities should be addressed to:

Email: authorised.capacity@sse.com

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

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

Supercustomer Billing and Payment

- 2.5 The Supercustomer approach makes use of aggregated data obtained from Suppliers using the 'Aggregated Distribution Use of System (DUoS) Report' data flow.
- 2.6 Invoices are calculated on a periodic basis and sent to each User for whom we transport electricity through our Distribution System. Invoices are reconciled, over a period of approximately 14 months to reflect later and more accurate consumption figures.
- 2.7 The charges are applied on the basis of the LLFC assigned to the MPAN, and the units consumed within the time periods specified in this statement. These time periods may not necessarily be the same as those indicated by the Time Pattern Regimes (TPRs) 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 'Allocation of Charges' for further details.

Supercustomer Charges

- 2.8 Supercustomer charges are generally billed through 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); more than one kWh charge may apply depending on the type of tariff for which the MPAN is registered.
- 2.9 Users who wish to supply electricity 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 Class (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 Unrestricted' 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 Unrestricted' fixed and unit charges will be applied for each invalid SSC/TPR combination.
- 2.13 The time periods for unit charges where the Metering System is Measurement Class A or B are as specified by the SSC. To determine the appropriate charge rate for each SSC/TPR a lookup table is provided in the spreadsheet that accompanies this statement⁴.
- 2.14 The time periods for unit charges where the Metering System is Measurement Class F or G are set out in the table 'Time Bands for Half Hourly Metered Properties' in Annex 1.
- 2.15 The 'Domestic Off-Peak' and 'Small Non-Domestic Off-Peak' charges are supplementary to either an Unrestricted or a Two Rate charge.

Site-Specific Billing and Payment

- 2.16 The site-specific billing and payment approach makes use of HH metering data at premises level received through Settlement.
- 2.17 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.
- 2.18 The charges are applied on the basis of the LLFCs assigned to the MPAN or MSID for Central Volume Allocation (CVA) sites, and the units consumed within the time periods specified in this statement. Where MPANs have not been associated, for example when multiple points of connection fed from different sources are used for a single site, the relevant number of fixed charges will be applied.
- 2.19 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 'Allocation of Charges' if you believe the allocated LLFC or tariff is incorrect.

Site-Specific Billed Charges

- 2.20 Site-specific billed charges may include the following components:
- a fixed charge in pence/MPAN/day for SVA sites, or pence/MSID/day for CVA sites;
 - a capacity charge in pence/kilovolt-ampere (kVA) /day, for Maximum Import Capacity (MIC) and/or Maximum Export Capacity (MEC);
 - an exceeded capacity charge in pence/kVA/day, if a site exceeds its MIC and/or MEC;
 - unit charges in pence/kWh, more than one kWh charge may be applied; and
 - an excess reactive power charge, pence/kilovolt-ampere reactive hour (kVArh), for each unit in excess of the reactive charge threshold.
- 2.21 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.
- 2.22 For SVA sites, fixed charges are generally levied on a per MPAN per day basis. Where two or more half-hourly MPANs are located at the same point of connection, the relevant number of fixed charges will be applied. For CVA sites, fixed charges are generally levied on a pence per MSID per day basis. Where MSID(s) is shared at a site, fixed charges would apply for import and export

separately. For further details and examples please refer to the MRA Schedule 8⁵ guidance on Metering Points.

- 2.23 LV and HV Designated Properties will be charged in accordance with the CDCM and allocated the relevant charge structure set out in Annex 1.
- 2.24 For LV and HV Designated Properties that utilise a combination of Intermittent and Non-Intermittent generation technologies metered through a single MPAN/MSID, we will allocate the tariff based on the dominant technology. The dominant technology will be the type of generation with the highest installed capacity at the premises, as evidenced in ratings contained in the Connection Agreement.
- 2.25 Designated EHV Properties will be charged in accordance with the EDCM and allocated the relevant charge structure set out in Annex 2.
- 2.26 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.
- 2.27 Due to the seasonal nature of charges for Unmetered Supplies, changes between Measurement Classes B and D (or vice versa) shall not be agreed except with effect from 1st April in any charging year.

Time Periods

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

Application of Capacity Charges

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

Chargeable Capacity

- 2.32 The chargeable capacity is, for each billing period, the MIC/MEC as detailed below.
- 2.33 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.
- 2.34 Reductions to the MIC and/or 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.
- 2.35 In the absence of an agreement, the chargeable capacity, save for error or omission, will be based on the last MIC/MEC previously agreed by us 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.

Exceeded Capacity

- 2.36 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 exceeded capacity charge p/kVA/day rate, based on the difference between the MIC/MEC

⁵ Master Registration Agreement - Schedule 8 Guidance on Metering Points <http://mrasco.com/mra-products/master-registration-agreement>

and the actual capacity used. This will be charged for the duration of the full month 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)

2.37 Only reactive import and reactive export values occurring at times of active import are used in the calculation.

2.38 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)

2.39 Only reactive import and reactive export values occurring at times of active export are used in the calculation.

2.40 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

2.41 Where standby capacity charges are applied, the charge will be set at the same rate as that applied to the 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

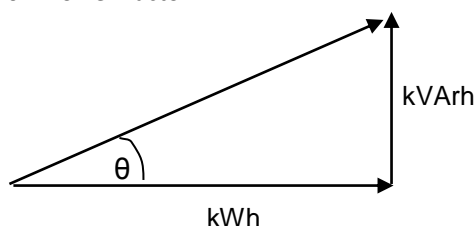
2.42 There is no minimum capacity threshold.

Application of charges for excess reactive power

2.43 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), excess reactive power charges will apply. This threshold is equivalent to an average power factor of 0.95 during the period. Any reactive units in excess of the 33% threshold are charged at the rate appropriate to the particular charge.

2.44 Power Factor is calculated as follows:

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



2.45 The chargeable reactive power is calculated as follows:

Demand Chargeable Reactive Power

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

Where:

AI = Active Import (kWh)

RI = Reactive Import (kVArh)

RE = Reactive Export (kVArh)

2.46 Only reactive import and reactive export values occurring at times of active import are used in the calculation.

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

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

Generation Chargeable Reactive Power

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

Where:

AE = Active Export (kWh)

RI = Reactive Import (kVArh)

RE = Reactive Export (kVArh)

2.49 Only reactive import and reactive export values occurring at times of active export are used in the calculation.

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.

Allocation of Charges

2.52 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. Where an MPAN/MSID is used for export purposes in relation to an LV or HV Designated Property, the type of generation (Intermittent or Non-Intermittent) also determines the allocation of charges.

2.53 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.

2.54 The Supplier determines and provides us with the metering information and data. This enables us to allocate charges where there is more than one charge per voltage level. The metering information and data is likely to change over time if, for example, a Supplier changes from a two rate meter to a single rate meter. When we are notified this has happened we will change the allocation of charges accordingly.

2.55 If it has been identified that a charge has been incorrectly allocated due to the metering information and/or data then a correction request should be made to the Supplier.

2.56 Where it has been identified that either:

- (a) a charge is likely to be incorrectly allocated due to the voltage of connection, import/export details or metering location; or
- (b) a connection may be eligible for Low Voltage Substation tariff(s);

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 and 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.

- 2.57 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.
- 2.58 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:
- (a) the date of incorrect allocation in respect of paragraphs 2.55 or 2.56(a); or
 - (b) the date the connection first became eligible for Low Voltage Substation tariff(s) in respect of paragraph 2.56(b); or
 - (c) up to the maximum period specified by the Prescription and Limitation (Scotland) Act 1973 in Scotland, which covers a five year period;
- whichever is the shorter.
- 2.59 Any credit or additional charge will be issued to the relevant Supplier(s) effective during the period of the change.
- 2.60 Should we reject the request 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

- 2.61 Designated EHV Properties that were connected to the Distribution System under a pre-2005 connection charging policy are eligible for exemption from DUoS 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 use of system 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 Customer has provided notice to us that they wish to opt in to DUoS charges for generation.
 - If a notice to opt in has been provided there will be no further opportunity to opt out.
- 2.62 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 DUoS charges as with other non-exempt generators.

Provision of billing data

- 2.63 Where HH metering data is required for DUoS charging and this is not provided in accordance with the BSC or DCUSA, such metering data shall be provided by the User of the system to us in respect of each calendar month within five working days of the end of that calendar month.
- 2.64 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.
- 2.65 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 D0275⁶ (as agreed with us). The data shall be e-mailed to duos.income.billing@sse.com.

- 2.66 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 missing reactive data, a power factor of 0.95 lag will be applied to the active consumption in any half hour.

Out of Area Use of System Charges

- 2.67 We operate embedded distribution networks in the other DNO area in Scotland. The charges for these 'out of area' networks are provided in a separate charging statement. This statement is available from our website www.ssen.co.uk.

Licensed Distributor Network Operator charges

- 2.68 Licensed Distribution Network Operator (LDNO) charges are applied to LDNOs who operate Embedded Networks within our Distribution Services Area.
- 2.69 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 the Host DNO's network. The relevant charge structures are set out in Annex 4.
- 2.70 Where a NHH metered MPAN has an invalid Settlement combination, the 'LDNO HV: Domestic Unrestricted' 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 HV: Domestic Unrestricted' fixed and unit charges will be applied for each invalid TPR combination.
- 2.71 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.
- 2.72 For Nested Networks the relevant charging principles set out in DCUSA Schedule 21 will apply.

Licence exempt distribution networks

- 2.73 The Electricity and Gas (Internal Market) Regulations 2011⁷ 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.
- 2.74 When Customers (both domestic and commercial) are located within a licence exempt distribution network and require the ability to choose their own Supplier this is called 'third party access'. These embedded Customers will require an MPAN so that they can have their electricity supplied by a Supplier of their choice.
- 2.75 Licence exempt distribution networks owners can provide third party access using either full settlement metering or the difference metering approach.

Full settlement metering

- 2.76 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.
- 2.77 In this approach our DUoS charges will be applied to each MPAN.

Difference metering

- 2.78 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

⁶ MRA Data Transfer Catalogue available from <https://dtdc.mrasco.com/>

⁷ The Electricity and Gas (Internal Market) Regulations 2011 available from <http://www.legislation.gov.uk/uksi/2011/2704/contents/made>

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

- 2.79 Where one of our MPANs (prefixed by the number 17) 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.
- 2.80 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 duos.income.billing@sse.com;
 - 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”.
- 2.81 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 our website www.ssen.co.uk.
- 3.3 Annex 1 contains the charges applied to LV and HV Designated Properties.
- 3.4 Annex 2 contains the charges applied to 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 lost⁸ 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. LLFs are used to adjust the Metering System volumes to take account of losses on the Distribution System.

Calculation of Line Loss Factors

- 4.3 LLFs are calculated in accordance with BSCP128 which sets out the procedures and principles with which our LLF methodology must comply. It also defines the procedure and timetable by which LLFs are reviewed and submitted.
- 4.4 LLFs are calculated for a set number of time periods during the year, using either a generic or a 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.
- 4.5 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.
- 4.6 The Elexon website⁹ contains more information on LLFs.

Publication of Line Loss Factor tables

- 4.7 The LLFs used in Settlement are published on the Elexon Portal¹⁰. 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.
- 4.8 BSCP 128 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.
- 4.9 At the time that this charging statement is first published, Annex 5 will be intentionally left blank, as this statement is published a complete year before the LLFs have been calculated and audited. Once the final BSCP128 Audit Report has been received, we will issue an updated version of Annex 5 containing the audited LLF values.
- 4.10 When using the tables in Annex 5, reference should be made to the LLFC allocated to the MPAN to find the appropriate values.

⁸ 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.

⁹ The following page has links to BSCP128 and to our LLF methodology: <http://www.elexon.co.uk/reference/technical-operations/losses/>

¹⁰ The Elexon Portal can be accessed from 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 (SHEPD – Schedule of charges and other tables April 2020.xlsx) is available to download from our website www.ssen.co.uk.
- 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 of 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 connection is modified and energised in the charging year, we may revise our 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 www.ssen.co.uk. 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 DUoS 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;

Ammad Zulfikar
Head of Planning and Investment
Scottish Hydro Electric Power Distribution plc
Inveralmond House
200 Dunkeld Road
Perth
PH1 3AQ
Email: ammad.zulfikar@sse.com

You must make an express statement in your application that you have an interest in some or all of the import capacity being interruptible for active network management purposes.

- 5.10 If you are proactively interested in voluntarily but revocably offering to make some or all of your existing connection's MIC interruptible you should in the first instance contact us at the address in paragraph 5.9.

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 Other than the charges noted below, no Accounting and Administration charges are detailed within this statement. Please refer to our Statement of Miscellaneous Charges for details of our transactional charges and other notices.
- 7.2 We reserve the right to impose payment default remedies. The remedies are as set out in the DCUSA where applicable or else as detailed in the following paragraph.
- 7.3 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.
- 7.4 Our administration charges are detailed in the following table.

Size of Unpaid Debt	Late Payment Fee
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 No charges for electrical plant provided ancillary to the grant of Use of System are detailed within this statement. Please refer to our Statement of Miscellaneous Charges for details of transactional charges and other notices.

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 www.elexon.co.uk/ELEXON Documents/trading_arrangements.pdf .
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 the Customer has the right for its connected installation to be and remain directly or indirectly connected to that LDNO's Distribution System.
Central Volume Allocation (CVA)	As defined in the BSC.
Customer	A person to whom a User proposes to supply, or for the time being supplies, electricity through an exit point, or from whom, a User or any relevant exempt Supplier, is entitled to recover charges, compensation or an account of profits in respect of electricity supplied through an exit point; or A person from whom a User purchases, or proposes to purchase, electricity, at an entry point (who may from time to time be supplied with electricity as a Customer of that User (or another electricity Supplier) through an exit point).
Designated EHV Properties	As defined in standard condition 13B of the Electricity Distribution Licence.
Designated Properties	As defined in standard condition 13A of the Electricity Distribution Licence.
Distribution Connection and Use of System Agreement (DCUSA)	The DCUSA is a multi-party contract between the licensed electricity distributors, suppliers, generators and Offshore Transmission Owners of Great Britain. It is a requirement that all licensed electricity distributors and suppliers become parties to the DCUSA.

Term	Definition																																																																					
Distributor IDs	<p>These are unique IDs that can be used, with reference to the MPAN, to identify your LDNO. The charges for other network operators can be found on their website.</p> <table border="1" data-bbox="486 304 1295 1393"> <thead> <tr> <th data-bbox="486 304 560 344">ID</th> <th data-bbox="560 304 916 344">Distribution Service Area</th> <th data-bbox="916 304 1295 344">Company</th> </tr> </thead> <tbody> <tr><td>10</td><td>East of England</td><td>UK Power Networks</td></tr> <tr><td>11</td><td>East Midlands</td><td>Western Power Distribution</td></tr> <tr><td>12</td><td>London</td><td>UK Power Networks</td></tr> <tr><td>13</td><td>Merseyside and North Wales</td><td>Scottish Power</td></tr> <tr><td>14</td><td>Midlands</td><td>Western Power Distribution</td></tr> <tr><td>15</td><td>Northern</td><td>Northern Powergrid</td></tr> <tr><td>16</td><td>North Western</td><td>Electricity North West</td></tr> <tr><td>17</td><td>Scottish Hydro Electric (and embedded networks in other areas)</td><td>Scottish Hydro Electric Power Distribution plc</td></tr> <tr><td>18</td><td>South Scotland</td><td>Scottish Power</td></tr> <tr><td>19</td><td>South East England</td><td>UK Power Networks</td></tr> <tr><td>20</td><td>Southern Electric (and embedded networks in other areas)</td><td>Southern Electric Power Distribution plc</td></tr> <tr><td>21</td><td>South Wales</td><td>Western Power Distribution</td></tr> <tr><td>22</td><td>South Western</td><td>Western Power Distribution</td></tr> <tr><td>23</td><td>Yorkshire</td><td>Northern Powergrid</td></tr> <tr><td>24</td><td>All</td><td>Independent Power Networks</td></tr> <tr><td>25</td><td>All</td><td>ESP Electricity</td></tr> <tr><td>26</td><td>All</td><td>Energetics Electricity Ltd</td></tr> <tr><td>27</td><td>All</td><td>The Electricity Network Company Ltd</td></tr> <tr><td>29</td><td>All</td><td>Harlaxton Energy Networks</td></tr> <tr><td>30</td><td>All</td><td>Peel Electricity Networks Ltd</td></tr> <tr><td>31</td><td>All</td><td>UK Power Distribution Ltd</td></tr> <tr><td>32</td><td>All</td><td>Utility Distribution Networks</td></tr> </tbody> </table>	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	Utility Distribution Networks
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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"> • Grid Supply Points or generation sets or other entry points <p>to the points of delivery to:</p> <ul style="list-style-type: none"> • 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 Scotland) <p>that are operated by that authorised distributor and any electrical plant, electricity meters, and metering equipment owned or operated by it in connection with the distribution of electricity, but does not include any part of the GB transmission system.</p>																																																																					

Term	Definition
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 minimum planning standards for security of supply and is referred to in Standard Licence Condition 24 of our Electricity Distribution Licence.
Entry Point	A boundary point at which electricity is exported onto a Distribution System from a connected installation or from another Distribution System, not forming part of the total system (boundary point and total system having the meaning given to those terms in the BSC).
Exit Point	A point of connection at which a supply of electricity may flow from the Distribution System to the Customer's installation or User's installation or the Distribution System of another person.
Extra-High Voltage (EHV)	Nominal voltages of 22kV and above.
Gas and Electricity Markets Authority (GEMA)	As established by the Utilities Act 2000.
Grid Supply Point (GSP)	A metered connection between the 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.
Intermittent Generation	Defined in DCUSA Schedule 16 as a generation plant where the energy source of the prime mover can not be made available on demand, in accordance to the definitions in Engineering Recommendation P2/6.
Invalid Settlement Combination	A Settlement combination that is not recognised as a valid combination in market domain data - see https://www.elexonportal.co.uk/MDDVIEWER .
kVA	Kilovolt ampere.
kVArh	Kilovolt ampere reactive hour.
kW	Kilowatt.
kWh	Kilowatt hour (equivalent to one "unit" of electricity).

Term	Definition
Licensed Distribution Network Operator (LDNO)	The holder of a Licence to distribute electricity.
Line Loss Factor (LLF)	The factor that is used in Settlement to adjust the metering system volumes to take account of losses on the Distribution System.
Line Loss Factor Class (LLFC)	An identifier assigned to an SVA metering system which is used to assign the LLF and use of system charges.
Load Factor	$= \frac{\text{annual consumption (kWh)}}{\text{maximum demand (kW)} \times \text{hours in year}}$
Low Voltage (LV)	Nominal voltages below 1kV.
Market Domain Data (MDD)	MDD is a central repository of reference data available to all Users involved in Settlement. It is essential to the operation of SVA trading arrangements.
Maximum Export Capacity (MEC)	The MEC of apparent power expressed in kVA that has been agreed can flow through the entry point to the Distribution System from the Customer's installation as specified in the connection agreement.
Maximum Import Capacity (MIC)	The MIC of apparent power expressed in kVA that has been agreed can flow through the exit point from the Distribution System to the Customer's installation as specified in the connection agreement.
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"> • Measurement Class A – non-half-hourly metering equipment; • Measurement Class B – non-half-hourly unmetered supplies; • Measurement Class C – half-hourly metering equipment at or above 100kW premises; • Measurement Class D – half-hourly unmetered supplies; • Measurement Class E – half-hourly metering equipment below 100kW premises, and from 5 November 2015, with current transformer; • Measurement Class F – half hourly metering equipment at below 100kW premises with current transformer or whole current, and at domestic premises; and • Measurement Class G – half hourly metering equipment at below 100kW premises with whole current and not at domestic premises.
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.

Term	Definition
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.
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-Intermittent Generation	Defined in DCUSA Schedule 16 as a generation plant where the energy source of the prime mover can be made available on demand, in accordance to the definitions in Engineering Recommendation P2/6.
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 ¹¹ .
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.

¹¹ Balancing and Settlement Code Procedures are available from <http://www.elexon.co.uk/pages/bscps.aspx>

Appendix 2 - Guidance notes¹²

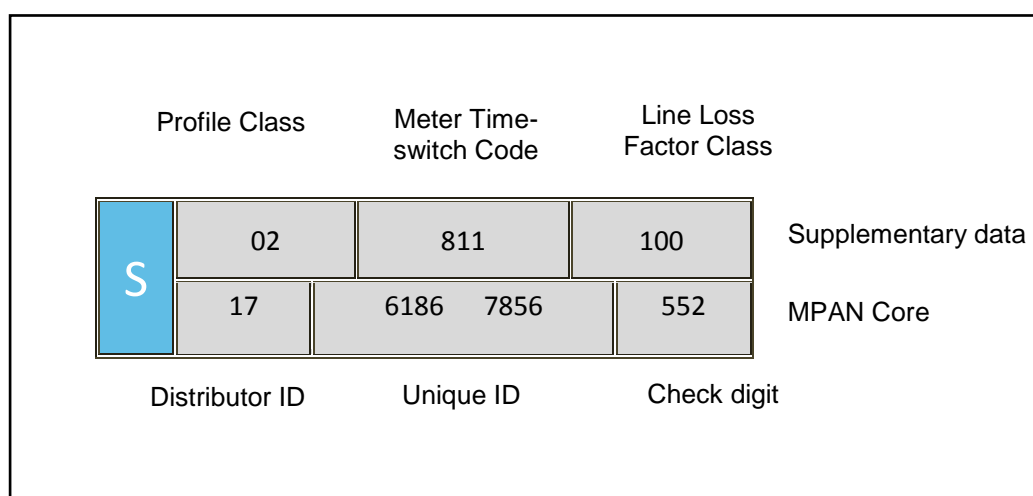
Background

- 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.
- 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



¹² These guidance notes are provided for additional information and do not form part of the application of charges.

- 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 SHEPD is 17. 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 17 and to premises within our Distribution Services Area are provided in this statement. For distribution charges which relate to our Distributor ID 17 and to premises connected to an 'out of area' network, please refer to the statement referenced in paragraph 2.67.
- 1.13. You can identify your charges by referencing your LLFC, from Annex 1. If the MPAN is for a Designated EHV Property then the charges will be found in Annex 2. In a few instances, the charges may be contained in Annex 3 or Annex 6. When identifying charges in Annex 2, please note that some LLFCs have more than one charge. In this instance you will need to select the correct charge by cross referencing with the MPAN core provided in the table.
- 1.14. Once you have identified which charge structure applies to your MPAN then you will be able to calculate an estimate of your distribution charge using the calculator provided in the spreadsheet 'Schedule of charges and other tables' found in the sheet called 'Charge Calculator'. This spreadsheet can be downloaded from www.ssen.co.uk.

Reducing your charges

- 1.15. The most effective way to reduce your energy charges is to reduce your consumption by switching off or using more energy efficient appliances. However, there are also other potential opportunities to reduce your distribution charges; for example, it may be beneficial to shift demand or generation to a better time period. Demand use is likely to be cheaper outside the 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 (kVArh) 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 Extra-High Voltage or connected at High Voltage and metered at a high voltage 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 without the need to upgrade the electricity infrastructure. The conditions for eligibility of generators for credits within the EDCM are specified in the applicable charging methodology. Generators that benefit from an exemption from UoS charges for generation, or that are intermittent in accordance to the definitions in Engineering Recommendation P2/6 and that cannot maintain production for a continuous period of several weeks, are unlikely to be eligible for EDCM credits. In any event, eligibility for EDCM credits depends on a site-specific assessment of whether the generation can be considered to have a contribution to security of supply under Engineering Recommendation P2/6.
- 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 time 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.

Additional Notes

The Domestic and Non-Domestic off-peak (related MPAN) tariffs are supplementary to a standard unrestricted tariff.

Off-peak terms are only available to Metering Points that are already on such terms and where:

- a) the Customer retains the original off-peak equipment and the circuits from which the off-peak supply is taken are separated from all other circuits;
- b) the function of the off-peak equipment is not duplicated by other equipment connected to the other circuits; and
- c) "off-peak equipment" means appliances such as thermal storage heaters, storage water heaters or other equipment as agreed by SHEPD

Generally, Domestic DUoS tariffs are available only to premises:

- a) used exclusively as a single private residence; or
- b) comprising more than one private residence where the estimated maximum demand of the supply does not exceed 25 kW

Generally, the Small Non Domestic tariffs are only available to premises which use less than 70kW/kVA and have a whole current meter

HV Medium Non-Domestic tariff is closed to new HV Customers. All new HV Customers will require half-hourly metering

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

Scottish Hydro Electric Power Distribution plc - Effective from 1st April 2020 - Final LV and HV charges

Time Bands for Half Hourly Metered Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) All Year	16:00 - 19:00		
Monday to Friday (Including Bank Holidays) All Year		07:00 - 16:00 19:00 - 21:00	
Monday to Friday (Including Bank Holidays) All Year			00:00 - 07:00 21:00 - 24:00
Saturday and Sunday All Year		12:00 - 20:00	00:00 - 12:00 20:00 - 24:00
Notes	All the above times are in UK Clock time		

Time Bands for Half Hourly Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) March to October		07:00 - 21:00	
Monday to Friday (Including Bank Holidays) November to February	16:00 - 19:00	07:00 - 16:00 19:00 - 21:00	
Monday to Friday (Including Bank Holidays) April to March			00:00 - 07:00 21:00 - 24:00
Saturday and Sunday All Year		12:00 - 20:00	00:00 - 12:00 20:00 - 24:00
Notes	All the above times are in UK Clock time		

Tariff name	Open LLFCs	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVAh	Closed LLFCs
Domestic Unrestricted	100, 105, 106, 110, 120, 125, 126, 300, 305, 320, 325	1	3.663			6.72				

Tariff name	Open LLFCs	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) 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 Two Rate	101, 111, 121, 127, 128, 301, 321	2	4.008	2.356		6.72				
Domestic Off Peak (related MPAN)	102, 122, 302, 322	2	2.339							104, 124, 304, 324
Small Non Domestic Unrestricted	112, 150, 153, 154, 156, 170, 173, 174, 176, 177, 350, 353, 354, 356, 370, 373, 374, 376	3	3.722			9.49				
Small Non Domestic Two Rate	113, 151, 171, 178, 351, 371	4	3.918	2.226		9.49				
Small Non Domestic Off Peak (related MPAN)	152, 172, 352, 372	4	2.259							155, 175, 355, 375
LV Medium Non-Domestic	114, 501	5-8	3.595	2.182		82.38				502
LV Sub Medium Non-Domestic	504	5-8	3.026	1.992		50.97				
HV Medium Non-Domestic		5-8	2.268	1.727		2503.06				601-602
LV Network Domestic	506	0	10.768	2.912	2.151	6.72				
LV Network Non-Domestic Non-CT	507	0	11.629	3.044	2.213	9.49				
LV HH Metered	500	0	8.294	2.522	1.968	26.85	4.76	8.74	0.273	

Tariff name	Open LLFCs	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) 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
LV Sub HH Metered	505	0	5.501	2.075	1.758	50.97	7.79	10.79	0.137	
HV HH Metered	600	0	4.073	1.849	1.652	298.74	10.49	12.37	0.091	
NHH UMS category A	803, 805	8	4.755							
NHH UMS category B	800	1	4.842							
NHH UMS category C	801	1	5.708							
NHH UMS category D	802	1	4.758							
LV UMS (Pseudo HH Metered)	804	0	19.914	4.719	3.878					
LV Generation NHH or Aggregate HH	951	8&0	-1.284			0.00				
LV Sub Generation NHH	952	8	-1.152			0.00				
LV Generation Intermittent	1, 909	0	-1.284			0.00			0.265	
LV Generation Intermittent no RP charge	9	0	-1.284			0.00				
LV Generation Non-Intermittent	2	0	-6.772	-1.043	-0.488	0.00			0.265	
LV Generation Non-Intermittent no RP charge	10	0	-6.772	-1.043	-0.488	0.00				

Tariff name	Open LLFCs	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVAh	Closed LLFCs
LV Sub Generation Intermittent	3	0	-1.152			0.00			0.225	
LV Sub Generation Intermittent no RP charge	11	0	-1.152			0.00				
LV Sub Generation Non-Intermittent	4	0	-6.088	-0.934	-0.437	0.00			0.225	
LV Sub Generation Non-Intermittent no RP charge	12	0	-6.088	-0.934	-0.437	0.00				
HV Generation Intermittent	5,910	0	-0.616			414.59			0.206	
HV Generation Intermittent no RP charge	13	0	-0.616			414.59				
HV Generation Non-Intermittent	6	0	-3.327	-0.491	-0.229	414.59			0.206	
HV Generation Non-Intermittent no RP charge	14	0	-3.327	-0.491	-0.229	414.59				

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

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

Scottish Hydro Electric Power Distribution plc - Effective from 1st April 2020 - Final EDCM charges

Time Periods for Designated EHV Properties

Time periods	Super Red Time Band
Monday to Friday (Including Bank Holidays) November to February	16:00 - 19:00
Notes	All the above times are in UK Clock time

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
595	1712385815400			Tariff 001	0.000	308.02	10.74	10.74	0.000	0.00	0.00	0.00
596	1700051251844			Tariff 002	0.000	583.20	4.34	4.34	0.000	0.00	0.00	0.00
597	1711602345053			Tariff 003	0.000	308.02	14.65	14.65	0.000	0.00	0.00	0.00
598	1717121416604	530	1700052708460	Tariff 004	0.000	143.40	2.36	2.36	0.000	164.62	0.05	0.05
560	1700051737559	520	1700051732541	Tariff 005	0.000	2.38	2.33	2.33	0.000	285.82	0.05	0.05
560	1700051737568	520	1700051732550	Tariff 006	0.000	3.62	2.33	2.33	0.000	284.58	0.05	0.05
562	1700051741068	522	1700051734177	Tariff 008	0.000	93.07	2.33	2.33	0.000	195.14	0.05	0.05
562	1700051740988	522	1700051737372	Tariff 009	0.000	77.72	2.33	2.33	0.000	210.49	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
562	1700051740960	522	1700051734121	Tariff 010	0.000	8.60	2.33	2.33	0.000	279.60	0.05	0.05
563	1700051737647	523	1700051733944	Tariff 011	0.000	140.03	2.33	2.33	0.000	148.18	0.05	0.05
564	1700051765732	524	1700051765723	Tariff 012	0.000	622.47	1.44	1.44	0.000	0.00	0.00	0.00
565	1721843065002	525	1700051732268	Tariff 013	0.000	103.31	2.78	2.78	0.000	0.00	0.00	0.00
566	1700051741110	526	1700051730386	Tariff 014	0.000	0.00	2.58	2.58	0.000	0.00	0.05	0.05
567	1700052157576	527	1700052157585	Tariff 015	0.000	0.89	10.75	10.75	0.000	0.00	0.00	0.00
569	1710056910505			Tariff 016	0.000	308.02	13.21	13.21	0.000	0.00	0.00	0.00
713	1712380671009	913	1700051748160	Tariff 017	0.000	2.67	0.62	0.62	0.000	0.00	0.00	0.00
714	1712398153703	914	1700051731539	Tariff 018	0.000	630.88	1.04	1.04	0.000	495.69	0.05	0.05
715	1700051612511	915	1700051731548	Tariff 019	0.000	609.45	1.04	1.04	0.000	478.85	0.05	0.05
8707	8707	8707	8707	Tariff 020	0.000	0.34	2.13	2.13	0.000	0.00	0.00	0.00
717	1700051126888	917	1700051731282	Tariff 021	0.000	21.25	1.45	1.45	0.000	612.18	0.05	0.05
718	1700051955969	918	1700051955940	Tariff 022	0.000	17.13	1.58	1.58	0.000	0.00	0.00	0.00
637	1700051778208	837	1700051771578	Tariff 023	0.000	6.45	1.34	1.34	0.000	0.00	0.00	0.00
8328	8328	8328	8328	Tariff 024	0.000	32.09	1.72	1.72	0.000	14761.14	0.05	0.05
722	1700051742780	922	1700051732133	Tariff 025	0.000	2.40	2.59	2.59	0.000	0.00	0.00	0.00
8696	8696	8696	8696	Tariff 026	0.000	2.94	2.09	2.09	0.000	0.00	0.00	0.00
723	1700051976550	923	1700051976560	Tariff 027	0.000	4.01	1.65	1.65	0.000	0.00	0.00	0.00
724	1700052029865	924	1700052029856	Tariff 028	0.000	4.57	1.54	1.54	0.000	0.00	0.00	0.00
725	1700051728590	925	1700051780216	Tariff 029	0.000	45.74	0.70	0.70	0.000	0.00	0.00	0.00
726	1700051703898	926	1700051822559	Tariff 030	0.000	4.98	1.47	1.47	0.000	0.00	0.00	0.00
8699	8699	8699	8699	Tariff 031	0.000	82.49	1.53	1.53	0.000	0.00	0.00	0.00
8699	8699	8699	8699	Tariff 032	0.000	82.49	1.60	1.60	0.000	0.00	0.00	0.00
727	1700051782729	927	1700051782710	Tariff 033	0.000	3.52	1.49	1.49	0.000	0.00	0.00	0.00

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
730	1700051741990	930	1700051732286	Tariff 035	0.000	5.16	1.93	1.93	0.000	0.00	0.00	0.00
731	1700051584955	931	1700051732374	Tariff 036	0.000	6.44	1.64	1.64	0.000	0.00	0.00	0.00
732	1700052249980	932	1700052249999	Tariff 037	0.000	6.31	1.54	1.54	0.000	1514.52	0.05	0.05
787	1700051754020	987	1700051754011	Tariff 038	0.000	13.42	0.66	0.66	0.000	0.00	0.00	0.00
8688	8688	8688	8688	Tariff 039	0.000	0.83	1.44	1.44	0.000	483.60	0.05	0.05
735	1700051754369	935	1700051775660	Tariff 040	0.000	3.41	1.03	1.03	0.000	0.00	0.00	0.00
736	1700051754401	936	1700051775670	Tariff 041	0.000	3.41	1.13	1.13	0.000	0.00	0.00	0.00
737	1700051742034	937	1700051732310	Tariff 042	0.000	4.62	1.57	1.57	0.000	0.00	0.00	0.00
738	1700051741077	938	1700051734195	Tariff 043	0.000	20.27	1.44	1.44	0.000	608.20	0.05	0.05
739	1700051741086	939	1700051734200	Tariff 044	0.000	20.27	1.44	1.44	0.000	608.20	0.05	0.05
740	1700051754313	940	1700051781520	Tariff 045	0.000	38.69	1.65	1.65	0.000	0.00	0.00	0.00
741	1700051737600	941	1700051733536	Tariff 046	0.000	61.85	1.44	1.44	0.000	644.30	0.05	0.05
742	1700051737610	942	1700051733689	Tariff 047	0.000	2.45	1.44	1.44	0.000	514.82	0.05	0.05
743	1700051746952	943	1700051746961	Tariff 048	0.000	2.25	0.86	0.86	0.000	0.00	0.00	0.00
744	1700051957664	944	1700051957655	Tariff 049	0.000	47.18	1.44	1.44	0.000	0.00	0.00	0.00
745	1700052002748	945	1700052002710	Tariff 050	0.000	20.78	1.57	1.57	0.000	0.00	0.00	0.00
746	1700052002720	946	1700052002739	Tariff 051	0.000	47.40	1.60	1.60	0.000	0.00	0.00	0.00
748	1700051956466	948	1700051956457	Tariff 052	0.000	2.15	2.38	2.38	0.000	0.00	0.00	0.00
749	1700051622272	949	1700051732151	Tariff 053	0.000	82.56	2.15	2.15	0.000	708.67	0.05	0.05
753	1700051965043	953	1700051965052	Tariff 054	0.000	3.76	1.77	1.77	0.000	1106.03	0.05	0.05
754	1700051740923	954	1700051734103	Tariff 055	0.000	0.33	1.44	1.44	0.000	81.87	0.05	0.05
756	1700051770412	956	1700051770403	Tariff 057	0.000	4.00	1.44	1.44	0.000	0.00	0.00	0.00
758	1700051742897	958	1700051732417	Tariff 058	0.000	33.53	1.44	1.44	0.000	0.00	0.00	0.00
589	1700051737629	529	1700051733759	Tariff 059	0.000	0.25	1.44	1.44	0.000	92.59	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
761	1700051751562	961	1700051751553	Tariff 060	0.000	9.34	1.44	1.44	0.000	0.00	0.00	0.00
8694	8694	8694	8694	Tariff 061	0.000	3.66	2.14	2.14	0.000	0.00	0.00	0.00
8694	8694	8694	8694	Tariff 062	0.000	17.90	2.25	2.25	0.000	0.00	0.00	0.00
762	1700051737638	962	1700051733810	Tariff 063	0.000	15.26	0.59	0.59	0.000	1587.26	0.05	0.05
763	1700052250169	963	1700052250178	Tariff 064	0.000	9.10	1.44	1.44	0.000	957.58	0.05	0.05
767	1700051737683	967	1700051734015	Tariff 065	0.000	16.26	1.44	1.44	0.000	2601.44	0.05	0.05
769	1700051738092	969	1700051734033	Tariff 067	0.000	0.48	1.45	1.45	0.000	150.33	0.05	0.05
8687	8687	8687	8687	Tariff 068	0.000	0.72	10.25	10.25	0.000	150.77	0.05	0.05
772	1700051740950	972	1700051734896	Tariff 069	0.000	6.01	1.44	1.44	0.000	750.91	0.05	0.05
773	1700051742744	973	1700051731690	Tariff 070	0.000	7.26	1.74	1.74	0.000	0.00	0.00	0.00
774	1700051742708	974	1700051731501	Tariff 071	0.000	6.55	1.58	1.58	0.000	0.00	0.00	0.00
633	1700052410683	833	1700052410692	Tariff 072	0.000	100.60	1.31	1.31	0.000	19485.38	0.05	0.05
775	1700051857055	975	1700051857046	Tariff 073	0.000	348.55	0.76	0.76	0.000	0.00	0.00	0.00
777	1700052048593	977	1700052048584	Tariff 074	0.000	38.92	1.44	1.44	0.000	1295.88	0.05	0.05
779	1700051740890	979	1700051734070	Tariff 075	0.000	82.28	1.44	1.44	0.000	2139.34	0.05	0.05
783	1700051740905	983	1700051734089	Tariff 079	0.000	1.32	1.44	1.44	0.000	257.31	0.05	0.05
784	1700051740914	984	1700051734098	Tariff 080	0.000	1.32	1.44	1.44	0.000	257.31	0.05	0.05
		985	1700051744928	Tariff 081	0.000	0.00	0.00	0.00	0.000	2088.67	0.05	0.05
786	1700051742070	986	1700051732356	Tariff 082	0.000	389.75	1.50	1.50	0.000	0.00	0.00	0.00
8689	8689	8689	8689	Tariff 083	0.000	2.19	1.44	1.44	0.000	875.68	0.05	0.05
8689	8689	8689	8689	Tariff 084	0.000	2.49	1.44	1.44	0.000	997.65	0.05	0.05
789	1700052121427	989	1700052121436	Tariff 085	0.000	2.17	1.71	1.71	0.000	686.00	0.05	0.05
791	1700052276956	991	1700052276983	Tariff 086	0.000	4.65	1.48	1.48	0.000	450.23	0.05	0.05
8740	8740	8740	8740	Tariff 087	0.000	3.72	3.98	3.98	0.000	3328.59	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
607	1700052336027	807	1700052336036	Tariff 088	0.000	17.87	1.59	1.59	0.000	1367.10	0.05	0.05
608	1700052371769	808	1700052371750	Tariff 089	0.000	478.84	0.65	0.65	0.000	0.00	0.00	0.00
729	1700051877993	929	1700051877984	Tariff 090	0.000	60.50	1.53	1.53	0.000	0.00	0.00	0.00
609	1700052335929	809	1700052335938	Tariff 091	0.000	17.85	1.52	1.52	0.000	863.92	0.05	0.05
610	1700052383462	810	1700052383471	Tariff 093	0.000	6.31	1.44	1.44	0.000	666.01	0.05	0.05
611	1700052250016	811	1700052250025	Tariff 094	0.000	7.93	1.46	1.46	0.000	625.89	0.05	0.05
612	1700052333968	812	1700052333977	Tariff 095	0.000	5.46	1.58	1.58	0.000	2701.27	0.05	0.05
613	1700052409544	813	1700052409553	Tariff 096	0.000	6.89	1.54	1.54	0.000	652.98	0.05	0.05
614	1700052409562	814	1700052409571	Tariff 097	0.000	19.91	1.48	1.48	0.000	2014.93	0.05	0.05
615	1700052279362	815	1700052279353	Tariff 098	0.000	40.00	1.44	1.44	0.000	671.95	0.05	0.05
703	1711837745288			Tariff 099	0.000	678.38	5.08	5.08	0.000	0.00	0.00	0.00
704	1712407523002			Tariff 100	0.000	537.08	3.98	3.98	0.000	0.00	0.00	0.00
705	1714107179708			Tariff 101	0.000	905.23	6.77	6.77	0.000	0.00	0.00	0.00
706	1716846112651, 1700052948191			Tariff 102	0.000	909.76	4.78	4.78	0.000	0.00	0.00	0.00
707	1717159001300			Tariff 103	0.000	565.39	3.48	3.48	0.000	0.00	0.00	0.00
708	1717249710102			Tariff 104	0.000	909.76	4.51	4.51	0.000	0.00	0.00	0.00
710	1717491993500, 1727491993507	855	1700052708503	Tariff 106	0.000	980.84	3.79	3.79	0.000	121.62	0.05	0.05
711	1712563575006			Tariff 107	0.000	2201.40	0.65	0.65	0.000	0.00	0.00	0.00
685	1711953043404			Tariff 108	0.000	1740.31	7.20	7.20	0.000	0.00	0.00	0.00
686	1712524882004			Tariff 109	0.000	5376.89	3.61	3.61	0.000	0.00	0.00	0.00
687	1711843426252			Tariff 110	0.000	548.97	1.54	1.54	0.000	0.00	0.00	0.00
688	1711929555006			Tariff 111	0.000	4432.21	8.11	8.11	0.000	0.00	0.00	0.00
638	1700051744440	838	1700051744459	Tariff 112	0.000	114.59	0.59	0.59	0.000	173.62	0.05	0.05
689	1735033416884			Tariff 122	0.000	308.02	3.16	3.16	0.000	0.00	0.00	0.00

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
689	1745033416880			Tariff 123	0.000	308.02	3.21	3.21	0.000	0.00	0.00	0.00
689	1725033416888			Tariff 124	0.000	308.02	2.76	2.76	0.000	0.00	0.00	0.00
689	1715033416881			Tariff 125	0.000	308.02	2.77	2.77	0.000	0.00	0.00	0.00
690	1715033416924			Tariff 126	0.000	308.02	2.34	2.34	0.000	0.00	0.00	0.00
690	1725033416920			Tariff 127	0.000	308.02	2.40	2.40	0.000	0.00	0.00	0.00
616	1700052338353	816	1700052338362	Tariff 128	0.000	15.84	1.52	1.52	0.000	3316.47	0.05	0.05
617	1700052478830	817	1700052478840	Tariff 129	0.000	21.36	1.48	1.48	0.000	861.54	0.05	0.05
618	1700052478868	818	1700052478877	Tariff 130	0.000	55.68	1.47	1.47	0.000	1347.41	0.05	0.05
619	1700052478812	819	1700052478821	Tariff 131	0.000	24.62	1.45	1.45	0.000	993.01	0.05	0.05
620	1700052464740	820	1700052464759	Tariff 132	0.000	310.73	3.00	3.00	0.000	794.08	0.05	0.05
621	1700052372178	821	1700052372187	Tariff 133	0.000	48.71	1.45	1.45	0.000	2055.59	0.05	0.05
622	1700052288701	822	1700052288696	Tariff 134	0.000	71.90	0.58	0.58	0.000	0.00	0.00	0.00
623	1700052434197	823	1700052434211	Tariff 135	0.000	4.72	1.44	1.44	0.000	745.05	0.05	0.05
625	1700052427320	825	1700052427330	Tariff 136	0.000	53.87	1.44	1.44	0.000	1077.37	0.05	0.05
626	1700052468489	826	1700052468498	Tariff 137	0.000	7.37	1.72	1.72	0.000	0.00	0.00	0.00
766	1700051744430	966	1700051744421	Tariff 138	0.000	132.95	0.56	0.56	0.000	2459.60	0.05	0.05
793	1700052446280	8710	8710	Tariff 140	0.000	11.50	3.89	3.89	0.000	11688.15	0.05	0.05
630	1700052708187	830	1700052708196	Tariff 141	0.000	204.26	1.90	1.90	0.000	704.69	0.05	0.05
632	-	832	-	Tariff 142	0.000	1.78	1.51	1.51	0.000	952.96	0.05	0.05
634	1700052479268	834	1700052479277	Tariff 143	0.000	2.85	1.44	1.44	0.000	654.76	0.05	0.05
635	1700052632341	835	1700052632350	Tariff 144	0.000	30.89	1.49	1.49	0.000	3789.74	0.05	0.05
790	1700052250248	990	1700052250284	Tariff 146	0.000	15.64	1.47	1.47	0.000	1135.58	0.05	0.05
644	1700051778192	844	1700051778183	Tariff 147	0.000	36.46	0.68	0.68	0.000	0.00	0.00	0.00
646	1700052537803	846	1700052537812	Tariff 149	0.000	1.87	1.52	1.52	0.000	453.01	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
648	1700052909174	848	1700052909183	Tariff 150	0.000	4.23	5.03	5.03	0.000	464.81	0.05	0.05
8715	8715	8715	8715	Tariff 151	0.000	13.69	1.53	1.53	0.000	7216.17	0.05	0.05
652	1700052674875	852	1700052674884	Tariff 153	0.000	56.81	1.44	1.44	0.000	5680.87	0.05	0.05
653	1700052577772	853	1700052577781	Tariff 154	0.000	11.59	1.49	1.49	0.000	1598.99	0.05	0.05
654	1700052635991	854	1700052636008	Tariff 155	0.000	6.79	1.59	1.59	0.000	448.09	0.05	0.05
795	1700052588250	859	1700052588296	Tariff 157	0.000	98.11	1.53	1.53	0.000	356.77	0.05	0.05
796	1700052844312	860	1700052844321	Tariff 158	0.000	7.85	1.63	1.63	0.000	1806.21	0.05	0.05
797	1700052585286	8717	8717	Tariff 159	0.000	47.91	1.85	1.85	0.000	5988.70	0.05	0.05
658	1700052525366	863	1700052525375	Tariff 161	0.000	60.62	1.27	1.27	0.000	15155.20	0.05	0.05
655	1700052524098	864	1700052524103	Tariff 162	0.000	3.41	1.63	1.63	0.000	677.96	0.05	0.05
659	1700052500724	865	1700052500733	Tariff 163	0.000	41.10	2.04	2.04	0.000	10150.68	0.05	0.05
660	1700052914021	866	1700052914030	Tariff 164	0.000	14.00	1.51	1.51	0.000	616.19	0.05	0.05
661	1700052601770	867	1700052601812	Tariff 165	0.000	16.81	1.47	1.47	0.000	1800.65	0.05	0.05
624	1700052765487	824	1700052765496	Tariff 166	0.000	17.13	1.44	1.44	0.000	787.88	0.05	0.05
664	1700052793182	870	1700052793207	Tariff 170	0.000	117.94	1.45	1.45	0.000	2041.32	0.05	0.05
665	1700052556300	871	1700052556319	Tariff 171	0.000	15.57	1.49	1.49	0.000	716.07	0.05	0.05
778	1700051768167	978	1700051768158	Tariff 172	0.000	33.90	1.66	1.66	0.000	1188.23	0.05	0.05
667	1700052479212	873	1700052479221	Tariff 174	0.000	54.38	1.49	1.49	0.000	2591.77	0.05	0.05
691	1700051747715			Tariff 177	0.000	608.22	2.06	2.06	0.000	0.00	0.00	0.00
691	1700051747733			Tariff 178	0.000	608.22	3.40	3.40	0.000	0.00	0.00	0.00
		528	1700051731194	Tariff 179	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051731185	Tariff 180	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051731176	Tariff 181	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051731120	Tariff 182	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
		528	1700051731088	Tariff 183	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051731200	Tariff 184	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051730846	Tariff 185	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051730873	Tariff 186	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		528	1700051730882	Tariff 187	0.000	0.00	0.00	0.00	0.000	288.20	0.05	0.05
		843	1700051730891	Tariff 188	0.000	0.00	0.00	0.00	0.000	608.22	0.05	0.05
		843	1700051730943	Tariff 189	0.000	0.00	0.00	0.00	0.000	608.22	0.05	0.05
		843	1700051730916	Tariff 190	0.000	0.00	0.00	0.00	0.000	608.22	0.05	0.05
668	1700052336009	874	1700052336018	Tariff 191	0.000	26.82	1.48	1.48	0.000	1356.96	0.05	0.05
669	1700052611323	875	1700052611332	Tariff 192	0.000	70.96	1.56	1.56	0.000	7095.53	0.05	0.05
780	1700052910658	980	1700052910667	Tariff 194	0.000	211.41	1.58	1.58	0.000	10560.06	0.05	0.05
673	1700052767128	879	1700052767137	Tariff 196	0.000	9.42	1.44	1.44	0.000	753.00	0.05	0.05
647	1700052610348	847	1700052610357	Tariff 197	0.000	5.29	1.53	1.53	0.000	526.46	0.05	0.05
583	1712392333485			Tariff 200	0.000	604.73	11.91	11.91	0.000	0.00	0.00	0.00
675	1700052707945	881	1700052707963	Tariff 202	0.000	448.14	1.99	1.99	0.000	1374.29	0.05	0.05
676	1700052445729	882	1700052445738	Tariff 203	0.000	4.33	1.44	1.44	0.000	692.22	0.05	0.05
677	1700052638539	883	1700052638548	Tariff 204	0.000	31.42	2.21	2.21	0.000	6220.62	0.05	0.05
679	1700052643929	885	1700052643938	Tariff 206	0.000	5.20	1.55	1.55	0.000	1196.97	0.05	0.05
680	1700052636150	886	1700052636160	Tariff 207	0.000	5.97	1.44	1.44	0.000	477.22	0.05	0.05
681	1700052601413	887	1700052601469	Tariff 208	0.000	3.60	0.78	0.78	0.000	0.00	0.00	0.00
682	1700052604567	888	1700052604576	Tariff 209	0.000	9.66	1.56	1.56	0.000	1216.81	0.05	0.05
692	1700052619439	891	1700052619448	Tariff 212	0.000	183.60	1.46	1.46	0.000	5875.31	0.05	0.05
694	1700052643593	893	1700052643609	Tariff 214	0.000	267.95	1.45	1.45	0.000	3617.31	0.05	0.05
8720	8720	8720	8720	Tariff 215	0.000	56.36	0.60	0.60	0.000	5809.87	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
696	1700052667450	895	1700052667460	Tariff 216	0.000	15.61	1.44	1.44	0.000	717.85	0.05	0.05
697	1700052667423	896	1700052667432	Tariff 217	0.000	14.97	1.50	1.50	0.000	718.49	0.05	0.05
656	1700052613757	856	1700052613766	Tariff 221	0.000	15.11	1.82	1.82	0.000	4079.54	0.05	0.05
577	1700052218990, 1700052219007			Tariff 228	0.000	23351.38	0.56	0.56	0.000	0.00	0.00	0.00
8719	8719	8719	8719	Tariff 230	0.000	199.49	0.67	0.67	0.000	11598.30	0.05	0.05
581	1700052632379	908	1700052632388	Tariff 232	0.000	29.79	1.54	1.54	0.000	1966.05	0.05	0.05
631	1700052750685	831	1700052750694	Tariff 234	0.000	47.28	1.49	1.49	0.000	567.30	0.05	0.05
636	1700052757705	836	1700052757714	Tariff 235	0.000	3.06	5.57	5.57	0.000	611.52	0.05	0.05
771	1700052979793	971	1700052979809	Tariff 237	0.000	51.37	1.46	1.46	0.000	2465.77	0.05	0.05
8707	8707	8707	8707	Tariff 238	0.000	2.75	0.80	0.80	0.000	0.00	0.00	0.00
750	1700052546774			Tariff 239	0.000	1763.74	1.46	1.46	0.000	0.00	0.00	0.00
628	1700052708201	828	1700052708210	Tariff 240	0.000	80.66	0.88	0.88	0.000	0.00	0.00	0.00
781	1700052765469	981	1700052765478	Tariff 241	0.000	494.88	1.61	1.61	0.000	7373.75	0.05	0.05
639	1700052751331	839	1700052751340	Tariff 242	0.000	129.74	1.44	1.44	0.000	2237.96	0.05	0.05
8722	8722	8722	8722	Tariff 246	0.000	720.40	0.62	0.62	0.000	26654.94	0.05	0.05
570	1700052616916	970	1700052616925	Tariff 249	0.000	284.49	0.66	0.66	0.000	28449.28	0.05	0.05
576	1700052791343	876	1700052791361	Tariff 251	0.000	72.24	1.45	1.45	0.000	1228.04	0.05	0.05
580	1700052906944	880	1700052906953	Tariff 252	0.000	6.70	1.44	1.44	0.000	1004.43	0.05	0.05
640	1700052750408	840	1700052750417	Tariff 253	0.000	15.64	1.48	1.48	0.000	719.40	0.05	0.05
629	1700052730856	829	1700052730865	Tariff 254	0.000	3.91	1.44	1.44	0.000	659.35	0.05	0.05
8741	8741	8741	8741	Tariff 255	0.000	131.50	1.01	1.01	0.000	29587.91	0.05	0.05
641	1700052708586	841	1700052708595	Tariff 256	0.000	23.83	1.54	1.54	0.000	1072.27	0.05	0.05
782	1700052966039	982	1700052966048	Tariff 257	0.000	48.87	1.46	1.46	0.000	4594.13	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
799	1700053150075	960	1700053150084	Tariff 258	0.000	24.99	1.51	1.51	0.000	5747.67	0.05	0.05
645	1700052867514	845	1700052867523	Tariff 259	0.000	2.60	1.44	1.44	0.000	780.28	0.05	0.05
649	1700052944504	849	1700052944513	Tariff 260	0.000	2.16	3.80	3.80	0.000	712.96	0.05	0.05
792	1700053043267	992	1700053043276	Tariff 262	0.000	5.62	0.56	0.56	0.000	449.27	0.05	0.05
734	1700052967219	934	1700052967246	Tariff 263	0.000	18.09	1.52	1.52	0.000	1480.10	0.05	0.05
693	1700052810094	933	1700052810100	Tariff 265	0.000	161.68	1.54	1.54	0.000	1067.10	0.05	0.05
799	-	960	-	Tariff 266	0.000	3.51	1.51	1.51	0.000	701.65	0.05	0.05
799	-	960	-	Tariff 267	0.000	54.34	1.59	1.59	0.000	8331.82	0.05	0.05
799	-	960	-	Tariff 268	0.000	9.87	0.71	0.71	0.000	12824.59	0.05	0.05
695	1700052348254	995	1700052348263	Tariff 269	0.000	605.69	1.47	1.47	0.000	13628.11	0.05	0.05
764	1700053001080	964	1700053001090	Tariff 273	0.000	228.30	1.47	1.47	0.000	15753.00	0.05	0.05
627	1700052434620	827	1700052434639	Tariff 274	0.000	66.27	1.58	1.58	0.000	2467.86	0.05	0.05
698	1700052878000	898	1700052878010	Tariff 277	0.000	20.75	1.44	1.44	0.000	720.18	0.05	0.05
799	1700053065048	960	1700053065057	Tariff 282	0.000	4.16	1.52	1.52	0.000	832.16	0.05	0.05
799	-	960	-	Tariff 284	0.000	15.52	1.80	1.80	0.000	1319.12	0.05	0.05
799	-	960	-	Tariff 285	0.000	90.82	0.71	0.71	0.000	7453.44	0.05	0.05
642	1700052768380	842	1700052768390	Tariff 286	0.000	4.16	3.62	3.62	0.000	644.79	0.05	0.05
699	1700052826698	899	1700052826917	Tariff 287	0.000	4.61	1.58	1.58	0.000	2120.07	0.05	0.05
8727	8727	8727	8727	Tariff 288	0.000	197.36	1.93	1.93	0.000	33833.48	0.05	0.05
702	1700052857534	902	1700052857543	Tariff 289	0.000	5.10	1.51	1.51	0.000	594.76	0.05	0.05
712	1700052859903	912	1700052859912	Tariff 290	0.000	2.85	1.60	1.60	0.000	1140.91	0.05	0.05
794	1700052887690	994	1700052887706	Tariff 291	0.000	9.36	4.36	4.36	0.000	624.01	0.05	0.05
716	1700052889721	916	1700052889730	Tariff 292	0.000	0.91	1.83	1.83	0.000	453.97	0.05	0.05
719	1700052866733	919	1700052866742	Tariff 295	0.000	1.30	4.12	4.12	0.000	308.37	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
765	1700052930014	965	1700052930023	Tariff 296	0.000	9.63	1.53	1.53	0.000	1284.25	0.05	0.05
799	1700053106800	8755	8755	Tariff 299	0.000	3.87	1.59	1.59	0.000	451.02	0.05	0.05
799	1700052918959	960	1700052918968	Tariff 300	0.000	95.75	1.89	1.89	0.000	1072.41	0.05	0.05
776	1700052976686	976	1700052976700	Tariff 302	0.000	96.54	1.48	1.48	0.000	2896.12	0.05	0.05
657	1700052983390	857	1700052983406	Tariff 303	0.000	7.09	1.44	1.44	0.000	709.50	0.05	0.05
799	-	960	-	Tariff 307	0.000	34.20	1.59	1.59	0.000	7866.07	0.05	0.05
799	1700053110676	960	1700053110685	Tariff 311	0.000	252.69	1.59	1.59	0.000	2589.07	0.05	0.05
747	1700052947453	947	1700052947620	Tariff 312	0.000	11.85	1.44	1.44	0.000	969.55	0.05	0.05
757	1700052947791	957	1700052947807	Tariff 317	0.000	20.02	1.46	1.46	0.000	700.54	0.05	0.05
799	-	960	-	Tariff 318	0.000	2.05	1.44	1.44	0.000	675.93	0.05	0.05
799	-	960	-	Tariff 319	0.000	52.54	2.41	2.41	0.000	3820.77	0.05	0.05
799	1700052944531	960	1700052944540	Tariff 320	0.000	2.37	1.49	1.49	0.000	790.27	0.05	0.05
768	1700052959218	968	1700052959227	Tariff 322	0.000	12.51	1.88	1.88	0.000	625.28	0.05	0.05
799	1700053106829	960	1700053106838	Tariff 327	0.000	2.95	3.29	3.29	0.000	451.93	0.05	0.05
799	-	960	-	Tariff 328	0.000	34.47	1.59	1.59	0.000	1964.76	0.05	0.05
799	-	960	-	Tariff 330	0.000	3.92	1.59	1.59	0.000	450.96	0.05	0.05
799	1700052988877	960	1700052988886	Tariff 331	0.000	11.97	1.51	1.51	0.000	442.91	0.05	0.05
799	1700052988840	960	1700052988859	Tariff 334	0.000	14.38	1.44	1.44	0.000	862.86	0.05	0.05
720	1700052866760	920	1700052866770	Tariff 340	0.000	4.80	4.05	4.05	0.000	795.45	0.05	0.05
8752	8752	8756	8756	Tariff 342	0.000	11.29	3.29	3.29	0.000	1120.08	0.05	0.05
799	-	960	-	Tariff 343	0.000	14.44	3.29	3.29	0.000	721.85	0.05	0.05
799	-	960	-	Tariff 345	0.000	641.15	0.71	0.71	0.000	22440.18	0.05	0.05
799	-	960	-	Tariff 346	0.000	67.90	0.71	0.71	0.000	5658.32	0.05	0.05
788	1700053037510	988	1700053037529	Tariff 348	0.000	4.00	2.52	2.52	0.000	667.18	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
799	-	960	-	Tariff 350	0.000	81.57	5.15	5.15	0.000	3507.43	0.05	0.05
799	1700052935350	960	1700052935360	Tariff 353	0.000	23.06	1.51	1.51	0.000	2882.80	0.05	0.05
799	1700052935379	960	1700052935388	Tariff 354	0.000	27.81	1.51	1.51	0.000	3475.85	0.05	0.05
721	1700052954655	921	1700052954664	Tariff 355	0.000	1.13	1.78	1.78	0.000	566.91	0.05	0.05
798	1700052963083	998	1700052963092	Tariff 356	0.000	9.79	4.58	4.58	0.000	445.09	0.05	0.05
670	1700053127721	8738	8738	Tariff 357	0.000	10.31	1.88	1.88	0.000	2209.69	0.05	0.05
759	1700052976792	959	1700052976808	Tariff 358	0.000	3.09	1.44	1.44	0.000	617.15	0.05	0.05
671	1700052982909	901	1700052982927	Tariff 359	0.000	1.30	2.88	2.88	0.000	308.37	0.05	0.05
799	-	960	-	Tariff 361	0.000	9.55	1.44	1.44	0.000	3181.62	0.05	0.05
799	1700053058797	960	1700053058802	Tariff 362	0.000	256.09	1.49	1.49	0.000	11524.20	0.05	0.05
799	1700053092158			Tariff 363	0.000	640.62	2.59	2.59	0.000	0.00	0.00	0.00
760	1700053127730	8737	8737	Tariff 364	0.000	25.11	1.52	1.52	0.000	1732.39	0.05	0.05
572	1700052996655	862	1700052996664	Tariff 365	0.000	9.45	1.58	1.58	0.000	661.73	0.05	0.05
8743	8743	8743	8743	Tariff 367	0.000	7.46	1.57	1.57	0.000	447.42	0.05	0.05
799	-	960	-	Tariff 368	0.000	16.71	1.59	1.59	0.000	668.51	0.05	0.05
799	1700053137232	8757	8757	Tariff 369	0.000	174.77	1.59	1.59	0.000	14980.23	0.05	0.05
799	-	960	-	Tariff 370	0.000	6.23	1.51	1.51	0.000	1038.57	0.05	0.05
799	1700053029244	960	1700053029253	Tariff 372	0.000	90.14	1.48	1.48	0.000	8292.75	0.05	0.05
799	-	960	-	Tariff 375	0.000	6.58	1.51	1.51	0.000	657.82	0.05	0.05
799	-	960	-	Tariff 376	0.000	62.91	1.51	1.51	0.000	3019.81	0.05	0.05
799	1700053048070	960	1700053048089	Tariff 377	0.000	5.65	2.01	2.01	0.000	658.75	0.05	0.05
799	1700053036241	960	1700053036250	Tariff 379	0.000	0.40	3.02	3.02	0.000	454.49	0.05	0.05
752	1700053043285	892	1700053043294	Tariff 380	0.000	12.54	1.44	1.44	0.000	1003.28	0.05	0.05
573	1700053043300	993	1700053043319	Tariff 381	0.000	5.62	1.44	1.44	0.000	449.27	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
799	1700053062419			Tariff 382	0.000	7779.32	6.12	6.12	0.000	0.00	0.00	0.00
799	-	960	-	Tariff 383	0.000	147.81	1.51	1.51	0.000	1404.21	0.05	0.05
799	1700053164022			Tariff 384	0.000	8634.49	2.77	2.77	0.000	0.00	0.00	0.00
799	1700053104965	960	1700053104974	Tariff 387	0.000	187.62	1.59	1.59	0.000	1876.15	0.05	0.05
799	1700053187039	960	1700053187048	Tariff 389	0.000	748.75	1.59	1.59	0.000	28150.07	0.05	0.05
799	-	960	-	Tariff 390	0.000	1.40	1.59	1.59	0.000	635.82	0.05	0.05
568	1700053141762, 1700053152392	538	1700053141771, 1700053152408	Tariff 392	0.000	8515.66	4.27	4.27	0.000	2270.84	0.05	0.05
799	-	960	-	Tariff 393	0.000	49.80	0.85	0.85	0.000	7578.95	0.05	0.05
799	-	960	-	Tariff 394	0.000	32.10	1.59	1.59	0.000	2626.06	0.05	0.05
799	-	960	-	Tariff 395	0.000	53.98	1.59	1.59	0.000	3454.95	0.05	0.05
799	-	960	-	Tariff 396	0.000	392.45	0.85	0.85	0.000	18052.83	0.05	0.05
799	-	960	-	Tariff 397	0.000	6.27	1.59	1.59	0.000	689.82	0.05	0.05
799	-	960	-	Tariff 398	0.000	9.89	1.59	1.59	0.000	1431.05	0.05	0.05
799	-	960	-	Tariff 399	0.000	32.53	1.59	1.59	0.000	3117.44	0.05	0.05
799	-	960	-	Tariff 400	0.000	10.22	0.63	0.63	0.000	10221.94	0.05	0.05
799	-	960	-	Tariff 401	0.000	227.44	1.59	1.59	0.000	227.44	0.05	0.05
799	-	960	-	Tariff 402	0.000	258.51	0.85	0.85	0.000	9375.29	0.05	0.05
799	-	960	-	Tariff 403	0.000	255.51	0.71	0.71	0.000	1788.55	0.05	0.05
799	-	960	-	Tariff 404	0.000	119.08	0.71	0.71	0.000	2381.65	0.05	0.05
799	-	960	-	Tariff 405	0.000	1.44	0.63	0.63	0.000	7210.06	0.05	0.05
799	-	960	-	Tariff 406	0.000	233.80	1.69	1.69	0.000	4792.87	0.05	0.05
799	-	960	-	Tariff 407	0.000	0.77	1.59	1.59	0.000	1229.71	0.05	0.05
799	-	960	-	Tariff 408	0.000	92.25	0.71	0.71	0.000	13179.06	0.05	0.05
799	-	960	-	Tariff 409	0.000	1229.73	0.71	0.71	0.000	1229.73	0.05	0.05

Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)
799	-	960	-	Tariff 410	0.000	270.15	1.80	1.80	0.000	270.15	0.05	0.05
799	-	960	-	Tariff 411	0.000	227.44	1.64	1.64	0.000	227.44	0.05	0.05
799	-	960	-	Tariff 412	0.000	386.54	1.59	1.59	0.000	386.54	0.05	0.05
799	-	960	-	Tariff 413	0.000	7.55	1.46	1.46	0.000	1509.38	0.05	0.05
799	-	960	-	Tariff 414	0.000	26.89	0.78	0.78	0.000	4706.46	0.05	0.05
799	-	960	-	Tariff 415	0.000	1260.40	0.71	0.71	0.000	1260.40	0.05	0.05
799	-	960	-	Tariff 416	0.000	5.35	1.51	1.51	0.000	754.15	0.05	0.05
799	-	960	-	Tariff 417	0.000	361.07	1.59	1.59	0.000	361.07	0.05	0.05
799	-	960	-	Tariff 418	0.000	153.42	0.85	0.85	0.000	13807.37	0.05	0.05
799	-	960	-	Tariff 419	0.000	19.28	1.74	1.74	0.000	1927.87	0.05	0.05
799	-	960	-	Tariff 420	0.000	190.15	1.64	1.64	0.000	475.38	0.05	0.05
799	-	960	-	Tariff 421	0.000	355.41	1.59	1.59	0.000	355.41	0.05	0.05
799	-	960	-	Tariff 422	0.000	443.88	2.41	2.41	0.000	443.88	0.05	0.05
799	-	960	-	Tariff 423	0.000	332.04	1.59	1.59	0.000	664.08	0.05	0.05
799	-	960	-	Tariff 424	0.000	524.40	0.85	0.85	0.000	534.03	0.05	0.05
799	-	960	-	Tariff 425	0.000	493.67	1.59	1.59	0.000	493.67	0.05	0.05
799	-	960	-	Tariff 426	0.000	9.75	1.59	1.59	0.000	1949.86	0.05	0.05
799	-	960	-	Tariff 427	0.000	8.92	1.59	1.59	0.000	1783.39	0.05	0.05
799	-	960	-	Tariff 428	0.000	89.81	0.85	0.85	0.000	2566.03	0.05	0.05
799	-			Tariff 429	0.000	443.81	0.56	0.56	0.000	0.00	0.00	0.00
799	-	960	-	Tariff 430	0.000	4.31	1.69	1.69	0.000	862.50	0.05	0.05
799	-			Tariff 431	0.000	443.81	0.56	0.56	0.000	0.00	0.00	0.00

Annex 3 - Schedule of Charges for use of the Distribution System by Preserved/Additional LLF Classes

Scottish Hydro Electric Power Distribution plc - Effective from 1st April 2020 - Final LV and HV tariffs

NHH preserved charges/additional LLFCs

	Closed LLFCs	PCs	Unit charge 1 (NHH) p/kWh	Unit charge 2 (NHH) p/kWh	Fixed charge p/MPAN/day				
Domestic Off Peak (related MPAN)	104, 124, 304, 324	2	2.339						
Small Non Domestic Off Peak (related MPAN)	155, 175, 355, 375	4	2.259						
LV Medium Non-Domestic	502	5-8	3.595	2.182	82.38				
HV Medium Non-Domestic	601-602	5-8	2.268	1.727	2503.06				
Notes:	Unit time periods are as specified in the SSC.								

HH preserved charges/additional LLFCs

	Closed LLFCs	PCs	Red/black charge (HH) p/kWh	Amber/yellow charge (HH) p/kWh	Green charge (HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
		0							

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

Scottish Hydro Electric Power Distribution plc - Effective from 1st April 2020 - Final LDNO Tariffs

Time Bands for Half Hourly Metered Properties			
Time periods	Red Time Band	Amber Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) All Year	16:00 - 19:00		
Monday to Friday (Including Bank Holidays) All Year		07:00 - 16:00 19:00 - 21:00	
Monday to Friday (Including Bank Holidays) All Year			00:00 - 07:00 21:00 - 24:00
Saturday and Sunday All Year		12:00 - 20:00	00:00 - 12:00 20:00 - 24:00
Notes	All the above times are in UK Clock time		

Time Bands for Half Hourly Unmetered Properties			
	Black Time Band	Yellow Time Band	Green Time Band
Monday to Friday (Including Bank Holidays) March to October		07:00 - 21:00	
Monday to Friday (Including Bank Holidays) November to February	16:00 - 19:00	07:00 - 16:00 19:00 - 21:00	
Monday to Friday (Including Bank Holidays) April to March			00:00 - 07:00 21:00 - 24:00
Saturday and Sunday All Year		12:00 - 20:00	00:00 - 12:00 20:00 - 24:00
Notes	All the above times are in UK Clock time		

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) 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 Unrestricted		1	2.586			4.74			
LDNO LV: Domestic Two Rate		2	2.830	1.663		4.74			
LDNO LV: Domestic Off Peak (related MPAN)		2	1.651						
LDNO LV: Small Non Domestic Unrestricted		3	2.628			6.70			

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) 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: Small Non Domestic Two Rate		4	2.766	1.572		6.70			
LDNO LV: Small Non Domestic Off Peak (related MPAN)		4	1.595						
LDNO LV: LV Medium Non-Domestic		5-8	2.538	1.540		58.16			
LDNO LV: LV Network Domestic		0	7.602	2.056	1.519	4.74			
LDNO LV: LV Network Non-Domestic Non-CT		0	8.210	2.149	1.562	6.70			
LDNO LV: LV HH Metered		0	5.856	1.781	1.389	18.96	3.36	6.17	0.193
LDNO LV: NHH UMS category A		8	3.357						
LDNO LV: NHH UMS category B		1	3.418						
LDNO LV: NHH UMS category C		1	4.030						
LDNO LV: NHH UMS category D		1	3.359						
LDNO LV: LV UMS (Pseudo HH Metered)		0	14.059	3.332	2.738				
LDNO LV: LV Generation NHH or Aggregate HH		8&0	-1.284			0.00			
LDNO LV: LV Generation Intermittent		0	-1.284			0.00			0.265
LDNO LV: LV Generation Non-Intermittent		0	-6.772	-1.043	-0.488	0.00			0.265
LDNO HV: Domestic Unrestricted		1	1.533			2.81			
LDNO HV: Domestic Two Rate		2	1.677	0.986		2.81			
LDNO HV: Domestic Off Peak (related MPAN)		2	0.979						
LDNO HV: Small Non Domestic Unrestricted		3	1.557			3.97			
LDNO HV: Small Non Domestic Two Rate		4	1.639	0.931		3.97			
LDNO HV: Small Non Domestic Off Peak (related MPAN)		4	0.945						

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO HV: LV Medium Non-Domestic		5-8	1.504	0.913		34.47			
LDNO HV: LV Network Domestic		0	4.505	1.218	0.900	2.81			
LDNO HV: LV Network Non-Domestic Non-CT		0	4.866	1.274	0.926	3.97			
LDNO HV: LV HH Metered		0	3.470	1.055	0.823	11.23	1.99	3.66	0.114
LDNO HV: LV Sub HH Metered		0	3.333	1.257	1.065	30.88	4.72	6.54	0.083
LDNO HV: HV HH Metered		0	2.699	1.225	1.095	197.99	6.95	8.20	0.060
LDNO HV: NHH UMS category A		8	1.990						
LDNO HV: NHH UMS category B		1	2.026						
LDNO HV: NHH UMS category C		1	2.388						
LDNO HV: NHH UMS category D		1	1.991						
LDNO HV: LV UMS (Pseudo HH Metered)		0	8.332	1.974	1.623				
LDNO HV: LV Generation NHH or Aggregate HH		8&0	-1.284			0.00			
LDNO HV: LV Sub Generation NHH		8	-1.152			0.00			
LDNO HV: LV Generation Intermittent		0	-1.284			0.00			0.265
LDNO HV: LV Generation Non-Intermittent		0	-6.772	-1.043	-0.488	0.00			0.265
LDNO HV: LV Sub Generation Intermittent		0	-1.152			0.00			0.225
LDNO HV: LV Sub Generation Non-Intermittent		0	-6.088	-0.934	-0.437	0.00			0.225
LDNO HV: HV Generation Intermittent		0	-0.616			0.00			0.206
LDNO HV: HV Generation Non-Intermittent		0	-3.327	-0.491	-0.229	0.00			0.206

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO HVplus: Domestic Unrestricted		1	1.108			2.03			
LDNO HVplus: Domestic Two Rate		2	1.212	0.712		2.03			
LDNO HVplus: Domestic Off Peak (related MPAN)		2	0.707						
LDNO HVplus: Small Non Domestic Unrestricted		3	1.125			2.87			
LDNO HVplus: Small Non Domestic Two Rate		4	1.185	0.673		2.87			
LDNO HVplus: Small Non Domestic Off Peak (related MPAN)		4	0.683						
LDNO HVplus: LV Medium Non-Domestic		5-8	1.087	0.660		24.91			
LDNO HVplus: LV Sub Medium Non-Domestic		5-8	1.283	0.845		21.61			
LDNO HVplus: HV Medium Non-Domestic		5-8	1.043	0.794		1150.61			
LDNO HVplus: LV Network Domestic		-	3.256	0.880	0.650	2.03			
LDNO HVplus: LV Network Non-Domestic Non-CT		-	3.516	0.920	0.669	2.87			
LDNO HVplus: LV HH Metered		0	2.508	0.763	0.595	8.12	1.44	2.64	0.083
LDNO HVplus: LV Sub HH Metered		0	2.332	0.880	0.745	21.61	3.30	4.57	0.058
LDNO HVplus: HV HH Metered		0	1.872	0.850	0.759	137.33	4.82	5.69	0.042
LDNO HVplus: NHH UMS category A		8	1.438						
LDNO HVplus: NHH UMS category B		1	1.464						
LDNO HVplus: NHH UMS category C		1	1.726						
LDNO HVplus: NHH UMS category D		1	1.439						
LDNO HVplus: LV UMS (Pseudo HH Metered)		0	6.021	1.427	1.173				
LDNO HVplus: LV Generation NHH or Aggregate HH		8	-0.544			0.00			

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO HVplus: LV Sub Generation NHH		8	-0.530			0.00			
LDNO HVplus: LV Generation Intermittent		0	-0.544			0.00			0.112
LDNO HVplus: LV Generation Non-Intermittent		0	-2.871	-0.442	-0.207	0.00			0.112
LDNO HVplus: LV Sub Generation Intermittent		0	-0.530			0.00			0.103
LDNO HVplus: LV Sub Generation Non-Intermittent		0	-2.799	-0.429	-0.201	0.00			0.103
LDNO HVplus: HV Generation Intermittent		0	-0.616			414.59			0.206
LDNO HVplus: HV Generation Non-Intermittent		0	-3.327	-0.491	-0.229	414.59			0.206
LDNO EHV: Domestic Unrestricted		1	0.686			1.26			
LDNO EHV: Domestic Two Rate		2	0.750	0.441		1.26			
LDNO EHV: Domestic Off Peak (related MPAN)		2	0.438						
LDNO EHV: Small Non Domestic Unrestricted		3	0.697			1.78			
LDNO EHV: Small Non Domestic Two Rate		4	0.734	0.417		1.78			
LDNO EHV: Small Non Domestic Off Peak (related MPAN)		4	0.423						
LDNO EHV: LV Medium Non-Domestic		5-8	0.673	0.409		15.43			
LDNO EHV: LV Sub Medium Non-Domestic		5-8	0.795	0.523		13.38			
LDNO EHV: HV Medium Non-Domestic		5-8	0.646	0.492		712.57			
LDNO EHV: LV Network Domestic		-	2.016	0.545	0.403	1.26			
LDNO EHV: LV Network Non-Domestic Non-CT		-	2.178	0.570	0.414	1.78			
LDNO EHV: LV HH Metered		0	1.553	0.472	0.369	5.03	0.89	1.64	0.051
LDNO EHV: LV Sub HH Metered		0	1.444	0.545	0.462	13.38	2.05	2.83	0.036

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) 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: HV HH Metered		0	1.160	0.526	0.470	85.05	2.99	3.52	0.026
LDNO EHV: NHH UMS category A		8	0.890						
LDNO EHV: NHH UMS category B		1	0.907						
LDNO EHV: NHH UMS category C		1	1.069						
LDNO EHV: NHH UMS category D		1	0.891						
LDNO EHV: LV UMS (Pseudo HH Metered)		0	3.729	0.884	0.726				
LDNO EHV: LV Generation NHH or Aggregate HH		8	-0.337			0.00			
LDNO EHV: LV Sub Generation NHH		8	-0.328			0.00			
LDNO EHV: LV Generation Intermittent		0	-0.337			0.00			0.070
LDNO EHV: LV Generation Non-Intermittent		0	-1.778	-0.274	-0.128	0.00			0.070
LDNO EHV: LV Sub Generation Intermittent		0	-0.328			0.00			0.064
LDNO EHV: LV Sub Generation Non-Intermittent		0	-1.733	-0.266	-0.124	0.00			0.064
LDNO EHV: HV Generation Intermittent		0	-0.381			256.76			0.128
LDNO EHV: HV Generation Non-Intermittent		0	-2.060	-0.304	-0.142	256.76			0.128
LDNO 132kV/EHV: Domestic Unrestricted		1	0.260			0.48			
LDNO 132kV/EHV: Domestic Two Rate		2	0.284	0.167		0.48			
LDNO 132kV/EHV: Domestic Off Peak (related MPAN)		2	0.166						
LDNO 132kV/EHV: Small Non Domestic Unrestricted		3	0.264			0.67			
LDNO 132kV/EHV: Small Non Domestic Two Rate		4	0.278	0.158		0.67			
LDNO 132kV/EHV: Small Non Domestic Off Peak (related MPAN)		4	0.160						

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO 132kV/EHV: LV Medium Non-Domestic		5-8	0.255	0.155		5.84			
LDNO 132kV/EHV: LV Sub Medium Non-Domestic		5-8	0.301	0.198		5.06			
LDNO 132kV/EHV: HV Medium Non-Domestic		5-8	0.244	0.186		269.64			
LDNO 132kV/EHV: LV Network Domestic		-	0.763	0.206	0.152	0.48			
LDNO 132kV/EHV: LV Network Non-Domestic Non-CT		-	0.824	0.216	0.157	0.67			
LDNO 132kV/EHV: LV HH Metered		0	0.588	0.179	0.139	1.90	0.34	0.62	0.019
LDNO 132kV/EHV: LV Sub HH Metered		0	0.547	0.206	0.175	5.06	0.77	1.07	0.014
LDNO 132kV/EHV: HV HH Metered		0	0.439	0.199	0.178	32.18	1.13	1.33	0.010
LDNO 132kV/EHV: NHH UMS category A		8	0.337						
LDNO 132kV/EHV: NHH UMS category B		1	0.343						
LDNO 132kV/EHV: NHH UMS category C		1	0.404						
LDNO 132kV/EHV: NHH UMS category D		1	0.337						
LDNO 132kV/EHV: LV UMS (Pseudo HH Metered)		0	1.411	0.334	0.275				
LDNO 132kV/EHV: LV Generation NHH or Aggregate HH		8	-0.128			0.00			
LDNO 132kV/EHV: LV Sub Generation NHH		8	-0.124			0.00			
LDNO 132kV/EHV: LV Generation Intermittent		0	-0.128			0.00			0.026
LDNO 132kV/EHV: LV Generation Non-Intermittent		0	-0.673	-0.104	-0.048	0.00			0.026
LDNO 132kV/EHV: LV Sub Generation Intermittent		0	-0.124			0.00			0.024
LDNO 132kV/EHV: LV Sub Generation Non-Intermittent		0	-0.656	-0.101	-0.047	0.00			0.024

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO 132kV/EHV: HV Generation Intermittent		0	-0.144			97.16			0.048
LDNO 132kV/EHV: HV Generation Non-Intermittent		0	-0.780	-0.115	-0.054	97.16			0.048
LDNO 132kV: Domestic Unrestricted		1	0.220			0.40			
LDNO 132kV: Domestic Two Rate		2	0.241	0.141		0.40			
LDNO 132kV: Domestic Off Peak (related MPAN)		2	0.140						
LDNO 132kV: Small Non Domestic Unrestricted		3	0.223			0.57			
LDNO 132kV: Small Non Domestic Two Rate		4	0.235	0.134		0.57			
LDNO 132kV: Small Non Domestic Off Peak (related MPAN)		4	0.136						
LDNO 132kV: LV Medium Non-Domestic		5-8	0.216	0.131		4.94			
LDNO 132kV: LV Sub Medium Non-Domestic		5-8	0.255	0.168		4.29			
LDNO 132kV: HV Medium Non-Domestic		5-8	0.207	0.158		228.40			
LDNO 132kV: LV Network Domestic		-	0.646	0.175	0.129	0.40			
LDNO 132kV: LV Network Non-Domestic Non-CT		-	0.698	0.183	0.133	0.57			
LDNO 132kV: LV HH Metered		0	0.498	0.151	0.118	1.61	0.29	0.52	0.016
LDNO 132kV: LV Sub HH Metered		0	0.463	0.175	0.148	4.29	0.66	0.91	0.012
LDNO 132kV: HV HH Metered		0	0.372	0.169	0.151	27.26	0.96	1.13	0.008
LDNO 132kV: NHH UMS category A		8	0.285						
LDNO 132kV: NHH UMS category B		1	0.291						
LDNO 132kV: NHH UMS category C		1	0.343						
LDNO 132kV: NHH UMS category D		1	0.286						

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO 132kV: LV UMS (Pseudo HH Metered)		0	1.195	0.283	0.233				
LDNO 132kV: LV Generation NHH or Aggregate HH		8	-0.108			0.00			
LDNO 132kV: LV Sub Generation NHH		8	-0.105			0.00			
LDNO 132kV: LV Generation Intermittent		0	-0.108			0.00			0.022
LDNO 132kV: LV Generation Non-Intermittent		0	-0.570	-0.088	-0.041	0.00			0.022
LDNO 132kV: LV Sub Generation Intermittent		0	-0.105			0.00			0.021
LDNO 132kV: LV Sub Generation Non-Intermittent		0	-0.556	-0.085	-0.040	0.00			0.021
LDNO 132kV: HV Generation Intermittent		0	-0.122			82.30			0.041
LDNO 132kV: HV Generation Non-Intermittent		0	-0.660	-0.097	-0.045	82.30			0.041
LDNO 0000: Domestic Unrestricted		1	0.220			0.40			
LDNO 0000: Domestic Two Rate		2	0.241	0.141		0.40			
LDNO 0000: Domestic Off Peak (related MPAN)		2	0.140						
LDNO 0000: Small Non Domestic Unrestricted		3	0.223			0.57			
LDNO 0000: Small Non Domestic Two Rate		4	0.235	0.134		0.57			
LDNO 0000: Small Non Domestic Off Peak (related MPAN)		4	0.136						
LDNO 0000: LV Medium Non-Domestic		5-8	0.216	0.131		4.94			
LDNO 0000: LV Sub Medium Non-Domestic		5-8	0.255	0.168		4.29			
LDNO 0000: HV Medium Non-Domestic		5-8	0.207	0.158		228.40			
LDNO 0000: LV Network Domestic		-	0.646	0.175	0.129	0.40			
LDNO 0000: LV Network Non-Domestic Non-CT		-	0.698	0.183	0.133	0.57			
LDNO 0000: LV HH Metered		0	0.498	0.151	0.118	1.61	0.29	0.52	0.016

Tariff name	Unique billing identifier	PCs	Unit charge 1 (NHH) or red/black charge (HH) p/kWh	Unit charge 2 (NHH) or amber/yellow charge (HH) p/kWh	Green charge(HH) p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Exceeded capacity charge p/kVA/day	Reactive power charge p/kVArh
LDNO 0000: LV Sub HH Metered		0	0.463	0.175	0.148	4.29	0.66	0.91	0.012
LDNO 0000: HV HH Metered		0	0.372	0.169	0.151	27.26	0.96	1.13	0.008
LDNO 0000: NHH UMS category A		8	0.285						
LDNO 0000: NHH UMS category B		1	0.291						
LDNO 0000: NHH UMS category C		1	0.343						
LDNO 0000: NHH UMS category D		1	0.286						
LDNO 0000: LV UMS (Pseudo HH Metered)		0	1.195	0.283	0.233				
LDNO 0000: LV Generation NHH or Aggregate HH		8	-0.108			0.00			
LDNO 0000: LV Sub Generation NHH		8	-0.105			0.00			
LDNO 0000: LV Generation Intermittent		0	-0.108			0.00			0.022
LDNO 0000: LV Generation Non-Intermittent		0	-0.570	-0.088	-0.041	0.00			0.022
LDNO 0000: LV Sub Generation Intermittent		0	-0.105			0.00			0.021
LDNO 0000: LV Sub Generation Non-Intermittent		0	-0.556	-0.085	-0.040	0.00			0.021
LDNO 0000: HV Generation Intermittent		0	-0.122			82.30			0.041
LDNO 0000: HV Generation Non-Intermittent		0	-0.660	-0.097	-0.045	82.30			0.041

Annex 5 – Schedule of Line Loss Factors

LLF time periods:

Scottish Hydro Electric Power Distribution plc - Illustrative LLFs Effective from 1st April 2020				
Time periods	Period 1	Period 2	Period 3	Period 4
	Winter Weekday Peak	Winter Weekday	Other	Night
Monday to Friday Nov to Feb	16:00 – 19:00	07:30 – 16:00 19:00 – 20:00	20:00 - 00:30	00:30 – 07:30
Saturday to Sunday All Year and Monday to Friday Mar to Oct			07:30 - 00:30	00:30 – 07:30
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					
Low Voltage Substation					
High Voltage Network					
High Voltage Substation					
33kV Generic					
132/33kV Generic					
132kV Generic					

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

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

Annex 6 – Charges for New or Amended Designated EHV Properties

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

Scottish Hydro Electric Power Distribution plc - Effective from 1 April 2020 - Final new or amended designated EHV charges													
Effective from date	Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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)

Scottish Hydro Electric Power Distribution plc - Effective from 1 April 2020 - Final new or amended designated EHV line loss factors

Effective from date	Import LLFC	Import MPANs/MSIDs	Export LLFC	Export MPANs/MSIDs	Tariff	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