

SCHEDULE 16: COMMON DISTRIBUTION CHARGING METHODOLOGY

STEP 3: MATCH REVENUES

92 Revenue matching is achieved by:

- (a) apportioning the total value of the residual surplus or residual shortfall to be returned or recovered respectively, via a fixed charge to (i) the domestic LV-connected charging band and (ii) the specific charging bands set out in paragraph 2.4 of Schedule 32 on the basis of (A) the aggregated consumption of all Final Demand Sites in that band (including the consumption of any Related MPANs where applicable), relative to (B) the combined total net consumption for all Final Demand Sites (including the consumption of any Related MPANs where applicable) plus the total consumption for unmetered customers.
- (b) The allocated proportion of the residual value to each charging band will then be divided equally among all Final Demand Sites within that charging band, resulting in the same level of residual fixed charge.
- (c) Residual charges for each Final Demand Site will be applied as a fixed charge adder (p/Final Demand Site/day) calculated as follows: the revenue surplus or shortfall (in pence) to be recovered for the band that the Final Demand Site is in; divided by the total number of Final Demand Sites in that band; divided by days in the charging year.

92A. In order to calculate all-the-way tariffs, residual charges are added to the tariffs before revenue matching as shown in the table below.

| Tariff before revenue matching | All-the-way Tariff | Residual Charge |
|------------------------------------|---|---|
| Domestic Aggregated or CT | Domestic Aggregated or CT with Residual | Domestic LV-connected Charging Band |
| Domestic Aggregated (Related MPAN) | Domestic Aggregated (Related MPAN) | None |
| Non-Domestic Aggregated or CT | Non-Domestic Aggregated or CT No Residual | None |
| | Non-Domestic Aggregated or CT Band 1 | Non-domestic LV connected without a MIC as a basis for its current charge (Charging Band 1) |
| | Non-Domestic Aggregated or CT Band 2 | Non-domestic LV connected without a MIC as a basis for its current charge (Charging Band 2) |
| | Non-Domestic Aggregated or CT Band 3 | Non-domestic LV connected without a MIC as a basis for its current charge (Charging Band 3) |
| | Non-Domestic Aggregated or CT Band 4 | Non-domestic LV connected without a MIC as a basis for its current charge (Charging Band 4) |

Commented [CB1]: EV charging sites would still be Final Demand Sites and would therefore be included in this. Is this sufficient (i.e., no additional text needed) or does additional text need to be added for clarity?

Commented [RC2R1]: Cover this in the definition of EC charging sites

| | | |
|---|---|--|
| Non-Domestic Aggregated (Related MPAN) | Non-Domestic Aggregated (Related MPAN) | None |
| LV Site Specific | LV Site Specific No Residual | None |
| | LV Site Specific Band 1 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 1) |
| | LV Site Specific Band 2 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 2) |
| | LV Site Specific Band 3 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 3) |
| | LV Site Specific Band 4 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 4) |
| LV Sub Site Specific | LV Sub Site Specific No Residual | None |
| | LV Sub Site Specific Band 1 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 1) |
| | LV Sub Site Specific Band 2 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 2) |
| | LV Sub Site Specific Band 3 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 3) |
| | LV Sub Site Specific Band 4 | Non-domestic LV connected with a MIC as a basis for its current charge (Charging Band 4) |
| HV Site Specific | HV Site Specific No Residual | None |
| | HV Site Specific Band 1 | Non-domestic HV connected with a MIC as a basis for its current charge (Charging Band 1) |
| | HV Site Specific Band 2 | Non-domestic HV connected with a MIC as a basis for its current charge (Charging Band 2) |
| | HV Site Specific Band 3 | Non-domestic HV connected with a MIC as a basis for its current charge (Charging Band 3) |
| | HV Site Specific Band 4 | Non-domestic HV connected with a MIC as a basis for its current charge (Charging Band 4) |

| | | |
|---|---|---|
| Unmetered Supplies | Unmetered Supplies | Unmetered Supplies |
| Electric Vehicle Charging Sites | Electric Vehicle Charging Sites | Electric Vehicle Charging Sites |

Commented [CB3]: Does this need to be a defined term?

92D. Revenue matching for unmetered customers is achieved by apportioning the total value of the residual surplus or residual shortfall to be returned or recovered respectively, on the basis of total consumption for unmetered customers, relative to the combined total net consumption for all Final Demand Sites (including the consumption of any Related MPANs where applicable) plus the total consumption for unmetered customers. The residual value for unmetered customers is then recovered by applying a unit charge adder (p/kWh) calculated as follows: the residual surplus or shortfall (in pence) to be recovered; divided by the total volume of all unmetered customers (in kWh).

92E. Revenue matching for Electric Vehicle Charging Sites customers is achieved by apportioning the total value of the residual surplus or residual shortfall to be returned or recovered respectively, on the basis of total consumption for Electric Vehicle Charging Sites, relative to the combined total net consumption for all Final Demand Sites (including the consumption of any Related MPANs where applicable) plus the total consumption for unmetered customers. The residual value for Electric Vehicle Charging Sites is then recovered by applying a unit charge adder (p/kWh) calculated as follows: the residual surplus or shortfall (in pence) to be recovered; divided by the total volume of all Electric Vehicle Charging Sites (in kWh).

93 The unit charges adder [referenced in paragraphs 92D and 92E](#) is positive if there is a shortfall and negative if there is a surplus.

Unmetered Supplies

140A. Use of System Charges for aggregated settled unmetered demand MPANs (Measurement Class B) will be via the Supercustomer approach which uses data from the D0030 industry data flow and is based on Settlement Classes. As described in Paragraph 40, there will be three unit rate time bands for the Unmetered Supplies tariff, to reflect the requirements of the cost drivers of their individual networks. The three time bands will be called 'black', 'yellow' and 'green' to represent three differing cost signals.

140B. Use of System Charges for unmetered supplies which are pseudo HH metered (Measurement Class D) will use data from the D0275 or D0036 industry data flows based on half hourly data provided for the MPAN.

140C. Charges will consist of unit rates only.

| Tariff | Voltage of Connection | Measurement Class |
|--------------------|-----------------------|-------------------|
| Unmetered Supplies | LV | B / D |

Commented [CB4]: Is a similar section required for EVs? Will there be multiple tariffs, one for each voltage level?

Demand Tariff Structures

141 Table 4 below shows the structure for aggregated metered demand tariffs before revenue matching, and Table 5 below shows the structure for site-specific demand tariffs.

Table 4: Aggregated Tariffs before revenue matching

| Tariff before revenue matching | Unit 1 (p/kWh) | Unit 2 (p/kWh) | Unit 3 (p/kWh) | Fixed charge p/MPAN/day |
|---|-------------------|-------------------|-------------------|-------------------------|
| Domestic Aggregated or CT | Red | Amber | Green | ✓ |
| Domestic Aggregated (Related MPAN) | Red | Amber | Green | |
| Non-Domestic Aggregated or CT | Red | Amber | Green | ✓ |
| Non-Domestic Aggregated (Related MPAN) | Red | Amber | Green | |
| Unmetered Supplies | Black | Yellow | Green | |
| Electric Vehicle Charging Sites | | | | |

Commented [CB5]: Does this table also need updating for EVs?

Commented [RC6R5]: Not needed

Table 5: Site Specific Tariffs before revenue matching

| Tariff before revenue matching | Unit rate 1 p/kWh | Unit rate 2 p/kWh | Unit rate 3 p/kWh | Fixed charge p/MPAN/day | Capacity charge p/kVA/day | Exceeded Capacity charge p/kVA/day | Reactive power charge p/kVArh |
|--------------------------------|-------------------|-------------------|-------------------|-------------------------|---------------------------|------------------------------------|-------------------------------|
| Domestic Aggregated or CT | Red | Amber | Green | ✓ | | | |
| Non-Domestic Aggregated or CT | Red | Amber | Green | ✓ | | | |
| LV Site Specific | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Site Specific | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| Unmetered Supplies | Black | Yellow | Green | | | | |

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|---------------------------------|--|--|--|--|--|--|--|
| Electric Vehicle Charging Sites | | | | | | | |
|---------------------------------|--|--|--|--|--|--|--|

Commented [CB7]: Does this table need updating too?

Commented [RC8R7]: Not needed

Tariff structures for LDNOs

- 147 The tariff structure for LDNOs will mirror the structure of the all-the-way-tariff, and is dependent on the voltage of the Point of Connection being either LV (see Table 8) or HV (see Table 9); except for the LDNO unmetered tariffs (marked with ** in Tables 8 and 9 below), which are charged by reference to the voltage of the Points of Connection that provide the majority of the energised domestic connections for the LDNO in the GSP Group (or, where there is no such majority, on such other reasonable basis as the DNO Party determines). In all cases, the same tariff elements will apply.

Table 8: LDNO LV connection*

| Tariff Name | Unit rate 1 p/kWh | Unit rate 2 p/kWh | Unit rate 3 p/kWh | Fixed charge p/MPAN/day | Capacity charge p/kVA/day | Exceeded Capacity charge p/kVA/day | Reactive power charge p/kVArh |
|---|-------------------|-------------------|-------------------|-------------------------|---------------------------|------------------------------------|-------------------------------|
| LV Domestic Aggregated or CT | Red | Amber | Green | ✓ | | | |
| Domestic Aggregated (Related MPAN) | Red | Amber | Green | | | | |
| Non-Domestic Aggregated or CT (No Residual) | Red | Amber | Green | ✓ | | | |
| Non-Domestic Aggregated or CT Band 1 | Red | Amber | Green | ✓ | | | |
| Non-Domestic Aggregated or CT Band 2 | Red | Amber | Green | ✓ | | | |
| Non-Domestic Aggregated or CT Band 3 | Red | Amber | Green | ✓ | | | |

| | | | | | | | |
|--|---------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|
| Non-Domestic Aggregated or CT Band 4 | Red | Amber | Green | ✓ | | | |
| Non-Domestic Aggregated (Related MPAN) | Red | Amber | Green | | | | |
| LV Site Specific (Electric Vehicle Charging Sites) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific (No Residual) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 1 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 2 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 3 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 4 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| **Unmetered Supplies** | Black | Yellow | Green | | | | |
| LV Sub Site Specific (Electric Vehicle Charging Sites) Electric Vehicle Charging Sites | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Generation Aggregated | ✓ | | | ✓ | | | |
| LV Generation Site Specific | ✓ | | | ✓ | | | ✓ |

Commented [CB9]: Does this table need to be updated?

* Where the boundary between the LDNO and DNO network is at LV

Table 9: LDNO HV connection*

| Tariff Name | Unit rate 1 p/kWh | Unit rate 2 p/kWh | Unit rate 3 p/kWh | Fixed charge p/MPAN/ day | Capacity charge p/kVA/ day | Exceeded Capacity charge p/kVA/ day | Reactive power charge p/kVArh |
|--|----------------------|-----------------------|-----------------------|--------------------------------|----------------------------------|---|----------------------------------|
| LV Domestic Aggregated or CT | Red | Amber | Green | ✓ | | | |
| LV Domestic Aggregated (Related MPAN) | Red | Amber | Green | | | | |
| LV Non-Domestic Aggregated or CT (No Residual) | Red | Amber | Green | ✓ | | | |
| LV Non-Domestic Aggregated or CT Band 1 | Red | Amber | Green | ✓ | | | |
| LV Non-Domestic Aggregated or CT Band 2 | Red | Amber | Green | ✓ | | | |
| LV Non-Domestic Aggregated or CT Band 3 | Red | Amber | Green | ✓ | | | |
| LV Non-Domestic Aggregated or CT Band 4 | Red | Amber | Green | ✓ | | | |
| LV Non-Domestic Aggregated (Related MPAN) | Red | Amber | Green | | | | |
| LV Site Specific (Electric Vehicle Charging Sites) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | |
|--|-------|--------|-------|---|---|---|---|
| LV Site Specific (No Residual) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 1 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 2 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 3 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Site Specific Band 4 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| **Unmetered Supplies** | Black | Yellow | Green | | | | |
| LV Sub Site Specific (Electric Vehicle Charging Sites) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific (No Residual) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific Band 1 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific Band 2 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific Band 3 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Sub Site Specific Band 4 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Sub Site Specific (Electric Vehicle Charging Sites) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Site Specific (No Residual) | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Site Specific Band 1 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |

Commented [CB10]: Does this table need to be updated?

Commented [RC11]: Duplicate

| | | | | | | | |
|---------------------------------------|-----|-------|-------|---|---|---|---|
| HV Site Specific Band 2 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Site Specific Band 3 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| HV Site Specific Band 4 | Red | Amber | Green | ✓ | ✓ | ✓ | ✓ |
| LV Generation Aggregated | Red | Amber | Green | ✓ | | | |
| LV Sub Generation Aggregated | Red | Amber | Green | ✓ | | | ✓ |
| LV Generation Site Specific | Red | Amber | Green | ✓ | | | ✓ |
| LV Sub Generation Site Specific | Red | Amber | Green | ✓ | | | ✓ |
| HV Generation Site Specific | Red | Amber | Green | ✓ | | | ✓ |

Add definition of Electric Vehicle Charging Sites

| | |
|--|---|
| <u>Electric Vehicle Charging Sites</u> | <p><u>Electric Vehicle Charging Sites are classed as Non-Domestic Premises which are Final Demand Sites (with the exception of appropriate ancillary demand), for the sole use of charging vehicles where electricity is sold with a commercial transaction to a private user. These sites are divided into a number of groups, within Schedule 32 of the DCUSA, as follows:</u></p> <p><u>(a) Designated Properties connected at HV;</u></p> <p><u>(b) Designated Properties connected at LV, with a Maximum Import Capacity as the basis for their current Use of System Charge; and</u></p> <p><u>(c) Designated Properties connected at LV, without a Maximum Import Capacity as the basis for their current Use of System Charges.</u></p> |
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SCHEDULE 32: RESIDUAL CHARGING BANDS

1. SCOPE

- 1.1 Residual charges are levied once forward-looking charges have been applied, to ensure the DNO Party recovers the revenue allowed under the price control conditions.
- 1.2 In the case of Unmetered Supplies, all residual charges will be applied on a consumption basis, so premises which receive Unmetered Supplies are not subject to this Schedule.

1.2A In the case of Electric Vehicle Charging Sites, all residual charges will be applied on a consumption basis, so premises which are Electric Vehicle Charging Sites are not subject to this Schedule.

- 1.~~2A~~2B Furthermore, premises with a Back-up Connection will not be subject to residual charges in respect of the Back-up Connection. One or more premises connected via a Back-up Connection will not be counted as a Single Site in their own right (and so cannot be assessed as a separate Final Demand Site for the purposes of residual charging), but those premises will still comprise or form part of the Single Site connected pursuant to the Connection Agreement governing the primary connection.

- 1.3 Subject to Paragraph 1.2, 1.2A and 1.~~2A~~2B, residual fixed charges will be applied to all premises other than Non-Final Demand Sites.