



**SCHEDULE
OF
DISTRIBUTION USE OF SYSTEM CHARGES
1ST OCTOBER 2016 – 30TH SEPTEMBER 2017**

**Distribution System Operator
ESB Networks Ltd.**

ESB NETWORKS DISTRIBUTION CHARGES FOR YEAR 2016/17

(NB: All charges below exclude Value Added Tax)

This schedule sets out the charges that apply for use of the Distribution System by Connected Customers. These charges are normally passed on to the Customer's Electricity Supplier and are applied using rules approved by CER which are contained in the document titled Rules for Application of DUoS Tariff Group. The tables contained in the schedule below set out the current charges as they are applied to the various DUoS groupings. The charges in each table are not inclusive of VAT.

Schedule of Non- Maximum Demand DUoS Group Tariff Groups (DG1 to DG5b)

| Table 1 DUoS Group 1 (DG1) Urban Domestic Customers | | | |
|--|------------------------|----------------|---------------------|
| | Charge Unit | Standard Meter | Day and Night Meter |
| | | € | € |
| Standing Charge | Per Customer per annum | 66.95 | 66.95 |
| | | c | C |
| Unit Rates | Per kWh 24 Hour | 4.003 | N/A |
| | Per kWh Day | N/A | 4.913 |
| | Per kWh Night | | 0.624 |

| Table 2 DUoS Group 2 (DG2) Rural Domestic Customers | | | |
|--|------------------------|----------------|---------------------|
| | Charge Unit | Standard Meter | Day and Night Meter |
| | | € | € |
| Standing Charge | Per Customer per annum | 97.65 | 97.65 |
| | | C | C |
| Unit Rates | Per kWh 24 Hour | 4.003 | N/A |
| | Per kWh Day | N/A | 4.913 |
| | Per kWh Night | | 0.624 |

Table 3 DUoS Group 3 (DG3) Unmetered Connections inc. Public Lighting

| | Charge Unit | C |
|------------|-------------|-------|
| Unit Rates | Per kWh | 3.373 |

Table 4 DUoS Group 4 (DG4) Local Authority Unmetered Connections inc. Public Lighting

| | Charge Unit | C |
|------------|--|-------|
| Unit Rates | Per kWh (ex. DG4 premium) ¹ | 3.373 |

Special Notes for tariff groups DG3 and DG4

1. DUoS Group 3 applies to unmetered public lighting connections and other business connections² with loads up to and including 2kVA³.
2. The DG4 Use of System tariff will apply to all unmetered public lighting and other unmetered load types where the registered customer is a local authority. Relevant Local Authorities include: Dublin Corporation, County Councils, Urban Councils, Borough Councils and the NRA. Public Lighting registered to Private Developers, Private Public Partnerships and Harbour and Port Authorities will continue to be billed on DG3 Use of System tariff.
3. The DG4 tariff is based on the DG3 tariff, and also incurs an additional charge in accordance with the agreement between ESB Networks and the City and County Managers Association in respect of additional costs incurred on public lighting installations incurred by ESB Networks on behalf of local authorities.
4. The load types covered by the DG4 tariff cover all Public Lights types including LEDs, PEDs, Bollards, Beacons, etc.
5. The DG4 tariff commenced on 1st January 2011.

¹ The DG4 tariff also incurs an additional premium in respect of additional costs incurred on public lighting installations. This premium is 0.01c/kWh but it is currently being reviewed. See Notes above.

² For example connections to street furniture, kiosks and bus shelters

³ This is in accordance with the Rules for Application of DUoS Group approved by CER in September 2004. Public lighting loads and other business connections greater than 2kVA are metered.

**Table 5 DUoS Group 5 (DG5) and DUoS Group 5b (DG5b)
Low Voltage Business Customers (non Maximum Demand)**

| | Charge Unit | Standard Meter | Day and Night Meter |
|----------------------------|------------------------|----------------|---------------------|
| | | € | € |
| Standing Charge | Per Customer per annum | 96.32 | 96.32 |
| | | C | C |
| Unit Rates | Per kWh All Units | 4.445 | N/A |
| | Per kWh Day | N/A | 5.198 |
| | Per kWh Night | | 0.635 |
| Low Power Factor Surcharge | Per kVArh | 1.031 | 1.031 |

**Table 6 DUoS Group 5a (DG5a) Low Voltage Autoproducers MEC > MIC
(non Maximum Demand)**

| | Charge Unit | Standard Meter | Day and Night Meter |
|----------------------------|------------------------|----------------|---------------------|
| | | € | € |
| Standing Charge | Per Customer per annum | N/A | N/A |
| | | c | C |
| Unit Rates | Per kWh All Units | 4.445 | N/A |
| | Per kWh Day | N/A | 5.198 |
| | Per kWh Night | | 0.635 |
| Low Power Factor Surcharge | Per kVArh | 1.031 | 1.031 |

Notes for tariff groups DG1, DG2, DG5, DG5a & DG5b:

1. The hours during which the day and night charges apply for non quarter-hourly metered customers are controlled by time switches at the customer's premises. The day rate is applicable to kWh metered between 8.00 a.m. and 11.00 p.m. (GMT). As no alterations are made to time switches at the beginning and end of summertime, the hours during the summer time are one hour later (i.e. 9.00am to 12.00am). For quarter-hourly metered customers day rates apply 8.00 am to 11.00pm summer and winter.
2. The night c/kWh rates are applicable to night storage heating, which is separately metered and controlled by a time switch.
3. The published Standing Charges are per annum, actual charges are pro-rated per billing period.
4. For low voltage non-domestic customers, the low power factor surcharge applies to all kVArh recorded in any two monthly period if:

The metered kVArh is more than one third of the metered kWh in any two monthly period. The charge is applicable to the kVArh in excess of one third of the kWh.

The Low Power Factor Surcharge does not apply to customers with $MEC > 0$.

5. For combined residential and business premises, DUoS Group 5 (DG5) rates will apply.
6. An Autoproducer (AP) is as defined in CER's Direction CER03/237.
7. DUoS Group 5 or DUoS Group 5b apply to low voltage APs and CHP producers (non Maximum Demand):
 - With Maximum Import Capacity (MIC) > Maximum Export Capacity (MEC); or,
 - Who have not bought out their connection agreement.

Where such APs and CHPs have on-line interval metering installed, the DG5b tariff will apply; this means that the unit charges will be calculated based on netted consumption. Where such APs and CHPs do not have on-line metering installed the DG5 tariff applies.

DUoS Group 5a applies to generators (including autoproducers) which have an MEC greater than the MIC and which have paid 100% of the connection costs.

Schedule of Maximum Demand Tariff Groups (DG6 to DG9b)**Table 7 DUoS Group 6 (DG6) and DUoS Group 6b (DG6b)
Low Voltage Business Customers (Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|----------|
| Standing Charge | Per Customer per annum | 898.46 |
| Capacity Charge | Per kVA of MIC per annum | 33.53 |
| | | C |
| Unit Rates | Per kWh Day | 2.645 |
| | Per kWh Night | 0.312 |
| Low Power Factor Surcharge | Per kVArh | 0.942 |

**Table 8 DUoS Group 6a (DG6a) Low Voltage Autoproducers MEC > MIC
(Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|----------|
| Standing Charge | Per Customer per annum | N/A |
| Capacity Charge | Per kVA of MIC per annum | N/A |
| | | C |
| Unit Rates | Per kWh Day | 2.645 |
| | Per kWh Night | 0.312 |
| Low Power Factor Surcharge | Per kVArh | 0.942 |

**Table 9 DUoS Group 7 (DG7) and DUoS Group 7b (DG7b)
Medium Voltage Customers (Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|---------|
| Standing Charge | Per Customer per annum | 1583.63 |
| Capacity Charge | Per kVA of MIC per annum | 11.58 |
| | | C |
| Unit Rates | Per kWh Day | 0.458 |
| | Per kWh Night | 0.072 |
| Low Power Factor Surcharge | Per kVArh | 0.827 |

**Table 10 DUoS Group 7a (DG7a) Medium Voltage Autoproducers MEC > MIC
(Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|-------|
| Standing Charge | Per Customer per annum | N/A |
| Capacity Charge | Per kVA of MIC per annum | N/A |
| | | C |
| Unit Rates | Per kWh Day | 0.458 |
| | Per kWh Night | 0.072 |
| Low Power Factor Surcharge | Per kVArh | 0.827 |

**Table 11 DUoS Group 8 (DG8) and DUoS Group 8b (DG8b)
38kV Looped Customers (Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|-----------|
| Standing Charge | Per Customer per annum | 26,547.53 |
| Capacity Charge | Per kVA of MIC per annum | 5.70 |
| | | C |
| Unit Rates | Per kWh Day | 0.101 |
| | Per kWh Night | 0.007 |
| Low Power Factor Surcharge | Per kVArh | 0.776 |

**Table 12 DUoS Group 8a (DG8a)
38kV Looped Autoproducers MEC > MIC (Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|----------|
| Standing Charge | Per Customer per annum | N/A |
| Capacity Charge | Per kVA of MIC per annum | N/A |
| | | C |
| Unit Rates | Per kWh Day | 0.101 |
| | Per kWh Night | 0.007 |
| Low Power Factor Surcharge | Per kVArh | 0.776 |

**Table 13 DUoS Group 9 (DG9) and DUoS Group 9b (DG9b)
38kV Tailed Customers (Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|----------|
| Standing Charge | Per Customer per annum | 7,561.97 |
| Capacity Charge | Per kVA of MIC per annum | 5.70 |
| | | C |
| Unit Rates | Per kWh Day | 0.101 |
| | Per kWh Night | 0.007 |
| Low Power Factor Surcharge | Per kVArh | 0.776 |

**Table 14 DUoS Group 9a (DG9a) 38kV Tailed Autoproducers MEC > MIC
(Maximum Demand)**

| | Charge Unit | € |
|----------------------------|--------------------------|-------|
| Standing Charge | Per Customer per annum | N/A |
| Capacity Charge | Per kVA of MIC per annum | N/A |
| | | C |
| Unit Rates | Per kWh Day | 0.101 |
| | Per kWh Night | 0.007 |
| Low Power Factor Surcharge | Per kVArh | 0.776 |

Notes for Maximum Demand Tariff Groups (DG6 to DG9b)

1. DG6, DG6a and DG6b: The hours during which the day and night charges apply for non quarter-hourly metered customers are controlled by time switches at the customer's premises. The day rate is applicable to kWh metered between 8.00 a.m. and 11.00 p.m. (GMT). As no alterations are made to time switches at the beginning and end of summertime, the hours during the summer time are one hour later (i.e. 9.00am to 12.00am). For quarter-hourly metered customers day rates apply 8.00 am to 11.00 pm summer and winter.
2. DG7, DG7a, DG7b, DG8, DG8a, DG8b, DG9, DG9a, DG9b: Night rates apply from 11.00 pm. to 8.00 am summer and winter.
3. The low power factor surcharge applies when the metered kVAh is more than one third of the metered kWh in any two monthly period where NQH metering is installed or any monthly period where on-line interval (QH) metering is installed. The charge is applicable to the kVAh in excess of one third of the kWh for the billing period.

The Low Power Factor Surcharge does not apply to customers with $MEC > 0$.

4. The published Standing Charges and Capacity Charges are per annum, actual charges will be pro-rated per billing period.
5. In the event that the peak demand (in kVA), exceeds the maximum import capacity (MIC), a surcharge of 6 x capacity charge rate x excess kVA will apply in the billing period for NQH installations and 5 x capacity charge rate x excess kVA for QH installations in the billing period, during which the MIC was exceeded. Please note that for autoproducers or generators, in the event that peak demand exceeds their MIC, the surcharge which will apply will be as per other customers in the DG group e.g. if autoproducer is DG6a, then the surcharge to apply will be as per DG6.
6. Where there are two connections at different voltages at the same connection point, i.e. to a single site, the relevant DUoS charges apply in full to each connection.
7. Tariff groups 6, 7, 8, 9 or 6b, 7b, 8b, 9b apply to APs and CHP Producers (MD) where:
 - These APs and CHP producers have an $MIC > MEC$; or,
 - These APs and CHP producers have not bought out their connection agreement.Where such APs and CHPs have on-line interval metering installed, the relevant DGb tariff will apply; this means that the unit charges will be calculated based on netted consumption. Where such APs and CHPs do not have on-line metering installed the relevant DG tariff applies.

The relevant DGa tariff will apply to generators (including autoproducers) which have an MEC greater than the MIC and which have paid 100% of the connection costs.