



Statement of Charges
Applicable from 1st October 2018

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DOCUMENT HISTORY

1. The 2018/19 Statement of Charges document v1.0 was approved by the CRU on 11/09/2018 and published on the EirGrid website www.eirgrid.com on 12/09/2018

CORRESPONDENCE INFORMATION

Further information on matters discussed in this document may be obtained from the following:

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INTRODUCTION

This statement sets out EirGrid's charges for use of the transmission system applicable from October 1st 2018 until such time another Statement is approved by the Commission under Section 36 of the Electricity Regulation Act, 1999. The Transmission Use of System charges published in this statement have been derived in accordance with the 2018 revenue ([CER/17/276](#)) and the 2019 revenue ([CRU/18/195](#)) allowed by the Commission for Regulation of Utilities (CRU).

These tariffs may be subject to change and in such cases EirGrid shall notify suppliers and generators. Any additional generators who connect to the transmission system or distribution system throughout the year will be liable for charges and these charges shall be published when derived. In accordance with the SEM Committee Decision, Interconnectors are not charged TUoS (see SEM/11/078). This is in line with EU legislation (Regulation EC No 714/2009).

This document has been prepared by EirGrid in accordance with Section 35 and submitted to and approved by the CRU in accordance with Section 36 of the Electricity Regulation Act, 1999, as amended by the Electricity Regulation (Single Electricity Market) Act of 2007.

This statement sets out the following:

- Charges for the use of the Transmission System
- Connection Offer Process and Modification Application Fees
- Other System Charges

The following are published as separate documents:

- Statement of Payments and Charges for Ancillary Services Providers
- Transmission Loss Adjustment Factors

Transmission Use of System Charges (TUoS)

The transmission system is the high voltage grid which brings bulk power to all regions of Ireland. It is the backbone of the power system. The main charge for transporting power in bulk across the power system is the Transmission Use of System Charge (TUoS). TUoS charges are separate from the cost paid by customers for energy.

TUoS charges are designed to recover two components:

- (a) **Network Charges:** for the use of the transmission system infrastructure for the transportation of electricity. Use of the network occurs by users importing from the system (Demand TUoS) and by users exporting to the system (Generation TUoS). Some users are subject to charges for both importing and exporting where generation and demand exist on the same premises.
- (b) **System Services Charges:** for the recovery of the costs arising from the operation and security of the transmission system.

TUoS charges are grouped into three tariff categories:

1. **Demand Transmission Service (DTS):** includes five classes of service under which charges to suppliers are levied for Use of System (Network Charges & System Services Charges) associated in serving their customers connected either to the transmission system or the distribution system.
2. **Generation Transmission Service (GTS):** includes two classes of service under which charges to generators are levied on generators connected to either the transmission or distribution system for use of the system (Network Charges & System Services Charges) associated with their exporting of electricity for sale and periodic importing for consumption by start-up and standby equipment.

3. **Autoproducer Transmission Service (ATS):** includes two classes of service under which charges to Autoproducers are levied on Autoproducers connected to either the transmission or distribution system for use of the system (Network Charges & System Services Charges) associated with their exporting of electricity for sale and importing for consumption by on-site demand.

Distribution Loss Factors

The application of Distribution Loss Factors is necessary to adjust Transmission Use of System charges to account for Distribution System losses for Users that are connected to the Distribution System. The relevant Distribution Loss Factor will depend on the Users' connection voltage and on the time of day (day/night).

In addition to the Transmission Use of System Charges, this statement also sets out the following charges and fees

Connection Offer Process and Modification Application Fees

This statement sets out the fees for Users who wish to apply to connect to the Transmission System in Ireland. There are two types of application fees; those that are applicable to the Group Processing Approach and those outside that approach. The fee depends on the size of the connection and if shallow connection works are involved.

Other System Charges

Other System Charges are applicable to centrally dispatched generators and are described in the Other System Charges methodology statement¹. These charges do not form part of the Transmission Use of System revenue requirement.

Generation Location Based Charges

Generation Location Based Charges, also referred to as GTUoS, are applicable to all generators connected to the transmission system and to generators connected to the distribution system which have a contracted Maximum Export Capacity of above 5MW.

¹ <http://www.eirgridgroup.com/customer-and-industry/general-customer-information/ancillary-and-charges/>

TRANSMISSION USE OF SYSTEM CHARGES

TARIFF SCHEDULE DTS-T (LEUs)

Demand Transmission Service - Transmission Connections

CONDITIONS

APPLICABLE TO: *Demand Users* supplying a *Customer* directly connected to the *Transmission System* at each *Grid Exit Point* and those users classed as belonging to the DUoS DG10 group from the customer's Connection Date.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-T (LEUs²) in any one *Charging Period* shall be the sum of:

DEMAND TUOS CHARGES

(a) **Demand Network Capacity Charge:**
€ 1,734.6648/MW for each *MW* of Charging Capacity in the *Charging Period*.

Where Charging Capacity is the lesser of:

- i) the *Customer's Maximum Import Capacity*, or
- ii) the greater of the Minimum Charging Capacity and the highest *Metered Consumption Demand* of the *Customer* in the *Charging Period*

Where the Minimum Charging Capacity is the greater of:

- i) 80% of the *Customer's Maximum Import Capacity*, or
- ii) the *Customer's Maximum Import Capacity* less 4 *MW*

(b) **Demand Network Unauthorised Usage Charge:**
€ 728.6966/MWh for *Metered Consumption Energy*³ transferred in excess of the *Customer's Maximum Import Capacity* in the *Charging Period*.

(c) **Demand Network Transfer Charge:**
€ 2.6764/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(d) **Demand System Services Charge:**
€ 6.2932/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

² Large Energy User (LEU) is defined later in Definitions and Interpretations.

³ Metered Consumption Energy is defined later in Definitions and Interpretations. Electricity consumed by directly connected transmission users is not adjusted to take account of distribution losses.

TARIFF SCHEDULE DTS-D1 (LEUs)

Demand Transmission Service - Distribution Connections classed as Large Energy Users and with Maximum Import Capacity agreements \geq 0.5MW

CONDITIONS

APPLICABLE TO: *Demand Users* supplying a *Customer* indirectly connected to the *Transmission System* via the *Distribution System* at each *Exit Point* from the customer's connection date where the User's *Customer* has a connection agreement with a stated *Maximum Import Capacity* of 0.5MW or greater and quarter-hourly interval metering and is a *Large Energy User*.

Where possible any *Users* with *Customers* that have an *MIC* of 0.5 MW or above (prior to adjusting for the appropriate distribution loss factor), and is a *Large Energy User*, will be charged based on tariff schedule DTS-D1 (LEUs). In some cases the required information on *MICs* or required metered data may not be available and these *Users* will be charged on tariff schedule DTS-D2 (LEUs) as a proxy for the DTS-D1 (LEUs) tariff schedule.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-D1 (LEUs) in any one *Charging Period* shall be the sum of the following:

DEMAND TUOS CHARGES

(a) **Demand Network Capacity Charge:**

€ 1,467.1907/MW for each MW of Charging Capacity in the *Charging Period*.

Where Charging Capacity is the lesser of:

- i) the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor*, or
- ii) the greater of the *Minimum Charging Capacity* and the highest *Metered Consumption Demand* of the *Customer* in the *Charging Period*

Where the Minimum Charging Capacity is the greater of:

- i) 80% of the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor*, or
- ii) the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor* less 4 MW

(b) **Demand Network Transfer Charge:**

€ 2.6764/MWh for *Metered Consumption Energy*⁴ transferred in the *Charging Period*.

(c) **Demand System Services Charge:**

€ 6.2932/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: Demand TUoS charges for distribution connections maybe subject to adjustment by distribution loss factors (see Appendix 1).

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

⁴ Metered Consumption Energy is defined later in Definitions and Interpretations.

TARIFF SCHEDULE DTS-D1 (NON-LEUs)

Demand Transmission Service - Distribution Connections not classed as Large Energy Users and with Maximum Import Capacity agreements \geq 0.5MW

CONDITIONS

APPLICABLE TO: *Demand Users* supplying a *Customer* indirectly connected to the *Transmission System* via the *Distribution System* at each *Exit Point* from the customer's connection date where the *User's Customer* has a connection agreement with a stated *Maximum Import Capacity* of 0.5MW or greater and quarter-hourly interval metering and is not a *Large Energy User*.

Where possible any *Users* with *Customers* that have an *MIC* of 0.5 MW or above (prior to adjusting for the appropriate distribution loss factor) and is not a *Large Energy User* will be charged based on tariff schedule DTS-D1 (Non-LEUs). In some cases the required information on *MICs* or required metered data may not be available and these *Users* will be charged on tariff schedule DTS-D2 (Non-LEUs) as a proxy for the DTS-D1 (Non-LEUs) tariff schedule.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-D1 (Non-LEUs) in any one *Charging Period* shall be the sum of the following:

DEMAND TUOS CHARGES

(a) **Demand Network Capacity Charge:**

€ 1,749.5971/MW for each MW of Charging Capacity in the *Charging Period*.

Where Charging Capacity is the lesser of:

- iii) the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor*, or
- iv) the greater of the *Minimum Charging Capacity* and the highest *Metered Consumption Demand* of the *Customer* in the *Charging Period*

Where the Minimum Charging Capacity is the greater of:

- iii) 80% of the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor*, or
- iv) the *Customer's Maximum Import Capacity* multiplied by the highest applicable *Distribution Loss Factor* less 4 MW

(b) **Demand Network Transfer Charge:**

€ 3.1916/MWh for *Metered Consumption Energy*⁵ transferred in the *Charging Period*.

(c) **Demand System Services Charge:**

€ 7.5045/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: Demand TUoS charges for distribution connections maybe subject to adjustment by distribution loss factors (see Appendix 1).

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

⁵ Metered Consumption Energy is defined later in Definitions and Interpretations.

TARIFF SCHEDULE DTS-D2 (LEUs)

Demand Transmission Service - Distribution Connections classed as Large Energy Users but not served under Tariff Schedule DTS-D1 (LEUs)

CONDITIONS

APPLICABLE TO: *Demand Users* supplying a *Customer* indirectly connected to the *Transmission System* via the *Distribution System* not served under Tariff Schedule DTS-D1 (LEUs) and is a *Large Energy User*.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-D2 (LEUs) in any one *Charging Period* shall be the sum of the following:

DEMAND TUOS CHARGES

- (a) **Demand Network Capacity Charge:**
€ 5.6303/MWh for *Metered Consumption Energy*⁶ transferred during *Day Hours* in the *Charging Period*.
- (b) **Demand Network Transfer Charge:**
€ 2.6764/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) **Demand System Services Charge:**
€ 6.2932/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: Demand TUoS charges for distribution connections maybe subject to adjustment by distribution loss factors (see Appendix 1).

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

⁶ Metered Consumption Energy is defined later in Definitions and Interpretations.

TARIFF SCHEDULE DTS-D2 (NON-LEUs)

Demand Transmission Service - Distribution Connections not classed as Large Energy Users but not served under Tariff Schedule DTS-D1 (Non-LEUs)

CONDITIONS

APPLICABLE TO: *Demand Users* supplying *Customers* indirectly connected to the *Transmission System* via the *Distribution System* for all other demand, in aggregate, not served under Tariff Schedules DTS-T (LEUs), DTS-D1 (LEUs), DTS-D1 (Non-LEUs) and DTS-D2 (LEUs) and are not *Large Energy Users*.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-D2 (Non-LEUs) in any one *Charging Period* shall be the sum of the following:

DEMAND TUOS CHARGES

- (a) **Demand Network Capacity Charge:**
€ 6.7140/MWh for *Metered Consumption Energy*⁷ transferred during *Day Hours* in the *Charging Period*.
- (b) **Demand Network Transfer Charge:**
€ 3.1916/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) **Demand System Services Charge:**
€ 7.5045/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: Demand TUoS charges for distribution connections maybe subject to adjustment by distribution loss factors (see Appendix 1).

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

⁷ Metered Consumption Energy is defined later in Definitions and Interpretations.

TARIFF SCHEDULE GTS-T

Generation Transmission Service - Transmission Connections

CONDITIONS

- APPLICABLE TO:** *Generation Users* connected directly to the *Transmission System* at each *Grid Entry Point*.
- CHARGES:** Use of System Charges for service under Tariff Schedule GTS-T in any one *Charging Period* shall be the sum of the following:

GENERATION TUOS CHARGES

- (a) **Generation Network Location-Based Capacity Charge:**
The Network Location-Based Capacity Charge Rate, as specified in Schedule 1, for each *MW* of the *Maximum Export Capacity*⁸ at the *Entry Point*, as set forth in Schedule 1, for the *Charging Period*.
- (b) **Generation System Services Trip Charge:**
The Trip Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for Trips will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.
- (c) **Generation System Services Short Notice Declaration Charge:**
The Short Notice Declaration (SND) Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for SNDs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.
- (d) **Generation System Services Generator Performance Incentive Charge:**
The Generator Performance Incentive (GPI) Charge Rates are contained in Schedule 2, Table B of this Statement of Charges. Charges for GPIs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

CONDITIONS

- APPLICABLE TO:** *Demand Users* serving generators connected directly to the *Transmission System* at each *Grid Entry Point*.
- CHARGES:** Use of System Charges for import requirements in any one *Charging Period* shall be the sum of the following:

DEMAND TUOS CHARGES

- (e) **Demand Network Capacity Charge:**
€ 1,734.6648/MW for each *MW* of Charging Capacity in the *Charging Period*.
Where Charging Capacity is the lesser of:
- i) the *Maximum Import Capacity*, or

⁸ The Generation Network Location-Based Capacity Charge shall commence on the customer's Connection Date. For phases and extensions, this charge will commence on the date of first export of the phase or extension.

- ii) the greater of the *Minimum Charging Capacity* and the highest *Metered Consumption Demand* in the *Charging Period*.

Where the Minimum Charging Capacity is the greater of:

- i) 80% of the *Maximum Import Capacity*, or
 - ii) the *Customer's Maximum Import Capacity* less 4 MW
- (f) **Demand Network Unauthorised Usage Charge:**
€ 728.6966/MWh for *Metered Consumption Energy*⁹ transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.
- (g) **Demand Network Transfer Charge:**
€ 2.6764/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (h) **Demand System Services Charge:**
€ 6.2932/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

- OTHER CHARGES:** Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.
- LOSSES:** As set forth in the Trading and Settlement Code *Transmission Loss Adjustment Factors* are applicable in the energy market. The Transmission Loss Adjustment Factor Schedule can be found on the [EirGrid website](#).
- TERMS:** Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

⁹ Metered Consumption Energy is defined later in Definitions and Interpretations. Electricity consumed by directly connected transmission users is not adjusted to take account of distribution losses.

TARIFF SCHEDULE GTS-D

Generation Transmission Service - Distribution Connections

CONDITIONS

- APPLICABLE TO:** *Generation Users* indirectly connected to the *Transmission System* via the *Distribution System* at each *Entry Point*.
- CHARGES:** Use of System Charges for service under Tariff Schedule GTS-D in any one *Charging Period* shall be the sum of the following:

GENERATION TUOS CHARGES

- (a) **Generation Network Location-Based Capacity Charge:**
The Generation Network Location-Based Capacity Charge Rate, as specified in Schedule 1, for each *MW greater than "5" (five) MW* of the *Maximum Export Capacity*¹⁰ as set forth in Schedule 1, for the *Charging Period*. Where the *Maximum Export Capacity* is 5 (five) MW or less then the Generation Network Location-Based Capacity Charge Rate will be "0" (zero).
- (b) **Generation System Services Trip Charge:**
The Trip Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for Trips will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.
- (c) **Generation System Services Short Notice Declaration Charge:**
The Short Notice Declaration (SND) Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for SNDs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.
- (d) **Generation System Services Generator Performance Incentive Charge:**
The Generator Performance Incentive (GPI) Charge Rates are contained in Schedule 2, Table B of this Statement of Charges. Charges for GPIs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

CONDITIONS

- APPLICABLE TO:** *Demand Users* serving generators connected to the *Distribution System*.
- CHARGES:** Use of System Charges for import requirements in any one *Charging Period* shall be dependent on the Demand Transmission Service applicable to the demand associated with the distribution connected generator:

DEMAND TUOS CHARGES

Demand TUoS charges chargeable under either Tariff Schedule DTS-D1 (LEUs) or DTS-D1 (Non-LEUs) or DTS-D2 (LEUs) or DTS-D2 (Non-LEUs) as appropriate which is dependent on the characteristics of the demand associated with the distribution connected generator in accordance with the characteristics set out in the relevant Tariff Schedules.

¹⁰ The Generation Network Location-Based Capacity Charge shall commence on the customer's connection date. For phases and extensions, this charge will commence on the date of first export of the phase or extension.

OTHER CONDITIONS

- OTHER CHARGES:** Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.
- LOSSES:** As set forth in the Trading and Settlement Code *Transmission Loss Adjustment Factors* are applicable in the energy market. The Transmission Loss Adjustment Factor Schedule can be found on the [EirGrid website](#).
- TERMS:** Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

TARIFF SCHEDULE ATS-T

Autoproducer Transmission Service - Transmission Connections

CONDITIONS

APPLICABLE TO: *Autoproducer Users* connected directly to the *Transmission System* at each *Grid Entry Point*.

CHARGES: Use of System Charges for service under Tariff Schedule ATS-T in any one *Charging Period* shall be set forth in this schedule except the following:

- i) Where the *Autoproducer User's Maximum Import Capacity* is greater than or equal to their *Maximum Export Capacity* then charge (a) will be set to "0" (zero).
- ii) Where the *Autoproducer User's Maximum Export Capacity* is greater than their *Maximum Import Capacity* then charge (e) will be set to "0" (zero).

Charges (b), (c), and (d) may be payable by an autoproducer, this depends on their generator characteristics

Charges (f), (g), and (h) are payable by all autoproducers

GENERATION TUOS CHARGES

(a) **Generation Network Location-Based Capacity Charge:**

The Network Location-Based Capacity Charge Rate, as specified in Schedule 1, for each *MW* of the *Maximum Export Capacity*¹¹ at the *Entry Point*, as set forth in Schedule 1, for the *Charging Period*.

(b) **Generation System Services Trip Charge:**

The Trip Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for Trips will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

(c) **Generation System Services Short Notice Declaration Charge:**

The Short Notice Declaration (SND) Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for SNDs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

(d) **Generation System Services Generator Performance Incentive Charge:**

The Generator Performance Incentive (GPI) Charge Rates are contained in Schedule 2, Table B of this Statement of Charges. Charges for GPIs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

DEMAND TUOS CHARGES

(e) **Demand Network Capacity Charge:**

€ 1,734.6648/MW for each *MW* of Charging Capacity in the *Charging Period*.

Where Charging Capacity is the lesser of:

¹¹ The Generation Network Location-Based Capacity Charge shall commence on the customer's Connection Date. For phases and extensions, this charge will commence on the date of first export of the phase or extension.

- i) the *Maximum Import Capacity*, or
- ii) the greater of the *Minimum Charging Capacity* and the highest *Metered Consumption Demand* in the *Charging Period*.

Where the *Minimum Charging Capacity* is the greater of:

- i) 80% of the *Maximum Import Capacity*, or
 - ii) the *Customer's Maximum Import Capacity* less 4 MW
- (f) **Demand Network Unauthorised Usage Charge:**
€ 728.6966/MWh for *Metered Consumption Energy* transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.
- (g) **Demand Network Transfer Charge:**
€ 2.6764/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (h) **Demand System Services Charge:**
€ 6.2932/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: As set forth in the Trading and Settlement Code *Transmission Loss Adjustment Factors* are applicable in the energy market. The Transmission Loss Adjustment Factor Schedule can be found on the [EirGrid website](#).

METERED CONSUMPTION ENERGY:

Where an *Autoproducer User* exports to the system and imports from the system in the same *Settlement Period* the *Metered Consumption Energy*, for the purposes of charges (f), (g), and (h) above and for the purpose of calculating Tariff Schedule DSMC (Demand Side Management Charge), shall be reduced by the *Metered Generation Energy* recorded if such exports are metered.

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

TARIFF SCHEDULE ATS-D

Autoproducer Transmission Service - Distribution Connections

CONDITIONS

APPLICABLE TO: *Autoproducer Users* indirectly connected to the *Transmission System* via the *Distribution System* at each *Entry Point*.

CHARGES: Use of System Charges for service under Tariff Schedule ATS-D in any one *Charging Period* shall be set forth in this schedule except the following:

- i) Where the *Autoproducer User's Maximum Import Capacity* is greater than or equal to their *Maximum Export Capacity* then charge (a) will be set to "0" (zero).
- ii) Where the *Autoproducer User's Maximum Export Capacity* is greater than their *Maximum Import Capacity* then Demand Network Capacity Charge under charge (e) will be set to "0" (zero).

Charges (b), (c), and (d) may be payable by an autoproducer, this depends on their generator characteristics

GENERATION TUOS CHARGES

(a) Generation Network Location-Based Capacity Charge:

The Generation Network Location-Based Capacity Charge Rate, as specified in Schedule 1, for each *MW greater than "5" (five) MW* of the *Maximum Export Capacity*¹² as set forth in Schedule 1, for the *Charging Period*. Where the *Maximum Export Capacity* is 5 (five) MW or less then the Generation Network Location-Based Capacity Charge Rate will be "0" (zero).

(b) Generation System Services Trip Charge:

The Trip Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for Trips will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

(c) Generation System Services Short Notice Declaration Charge:

The Short Notice Declaration (SND) Charge Rates are contained in Schedule 2, Table A of this Statement of Charges. Charges for SNDs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

(d) Generation System Services Generator Performance Incentive Charge:

The Generator Performance Incentive (GPI) Charge Rates are contained in Schedule 2, Table B of this Statement of Charges. Charges for GPIs will be calculated and applied for the *Charging Period* in accordance with the provisions of the Other System Charges Methodology Statement developed on an all-island basis by EirGrid in conjunction with SONI, based on Regulatory Authorities' harmonised decisions.

DEMAND TUOS CHARGES

(e) Demand TUoS Charges

Demand TUoS charges chargeable under either Tariff Schedule DTS-D1 (LEUs) or DTS-D1 (Non-LEUs) as appropriate which is dependent on the characteristics of the demand associated with the

¹² The Generation Network Location-Based Capacity Charge shall commence on the customer's Connection Date. For phases and extensions, this charge will commence on the date of first export of the phase or extension.

distribution connected autoproducer in accordance with the characteristics set out in the relevant Tariff Schedules.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge) applies in addition to the above charges.

LOSSES: As set forth in the Trading and Settlement Code *Transmission Loss Adjustment Factors* are applicable in the energy market. The Transmission Loss Adjustment Factor Schedule can be found on the the [EirGrid website](#).

METERED CONSUMPTION ENERGY:

Where an *Autoproducer User* exports to the system and imports from the system in the same *Settlement Period* the *Metered Consumption Energy*, for the purposes of charges Demand Network Transfer Charge and Demand System Services Charge and for the purpose of calculating Tariff Schedule DSMC (Demand Side Management Charge), shall be reduced by the *Metered Generation Energy* where such exports are metered.

TERMS: Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

TARIFF SCHEDULE DSMC**Demand Side Management Charge****CONDITIONS**

- BACKGROUND:** The CRU has determined that winter demand reduction (under Powersave) be rewarded and has instructed EirGrid to recover the costs associated with this.
- APPLICABLE TO:** All Users in respect of their *Metered Consumption Energy*.
- CHARGES:** Demand Side Management Charges apply to all Tariff Schedules in respect of a User's *Metered Consumption Energy* in any one *Charging Period* per the following:

DEMAND SIDE MANAGEMENT CHARGES**Demand Side Management Charge:**

€0.0001/MWh for all *Metered Consumption Energy* transferred during *Day Hours* in the *Charging Period*.

OTHER CONDITIONS

- TERMS:** Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

TARIFF SCHEDULE APPLICATION FEES

Connection Offer Process Application Fees

CONDITIONS

APPLICABLE TO: All Users applying for a connection directly to the *Transmission System*.

Any transmission capacity increase request from a *User* shall be charged as per the fees below.

CHARGES: An initial fee of €7,000 (including VAT) is required to progress an application which is netted off the full application fee. The TSO shall only commence an application check when the initial fee is received unless otherwise agreed.

The remaining fee is dependent on the size (capacity) of the applicant's development and whether shallow connection works are involved in facilitating the capacity required. The TSO shall only commence processing a completed application when the remaining fee is received unless otherwise agreed.

CONNECTION OFFER PROCESS APPLICATION FEES¹³

| Connection Offer Application Fees (excluding VAT) | | | |
|--|-----------------------|---------------------------|-----------------------------|
| MIC & MEC Capacity Ranges | A | B | C |
| | Demand Capacity (MIC) | Generation Capacity (MEC) | Shallow Works (If required) |
| $0 \leq 11\text{kW}$ | €0 | 0 | €0 |
| $> 11 \text{ kW} \leq 50 \text{ kW}$ | €0 | €767 | €0 |
| $> 50 \text{ kW} \leq 500 \text{ kW}$ | €0 | €1,565 | €0 |
| $> 500 \text{ kW} \leq 1 \text{ MW}$ | €0 | €8,886 | €0 |
| $> 1 \text{ MW} \leq 4 \text{ MW}$ | €12,531 | €18,201 | €0 |
| $> 4 \text{ MW} \leq 10 \text{ MW}$ | €21,666 | €18,419 | €18,419 |
| $> 10 \text{ MW} \leq 20 \text{ MW}$ | €21,666 | €33,225 | €34,669 |
| $> 20 \text{ MW} \leq 100 \text{ MW}$ | €35,616 | €47,723 | €39,780 |
| $> 100 \text{ MW}$ | €48,770 | €51,113 | €45,196 |
| Demand only: Fee = $A_{\text{MIC}} + C_{\text{MIC}} - D$ | | | |
| Generation only: Fee = $B_{\text{MEC}} + C_{\text{MEC}} - D$ | | | |
| Demand & Generation: Fee = $A_{\text{MIC}} + B_{\text{MEC}} + \text{MAX} [C_{\text{MEC}}, C_{\text{MIC}}] - D$ | | | |
| Where D is the sum of the credits for pre-feasibility and advanced works studies still relevant. Determination of D will be calculated by EirGrid. | | | |

¹³ Reference [CRU/18/059](#) Enduring Connection Policy Stage 1 (ESP-1)

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|--|
| TARIFF SCHEDULE MODIFICATION FEES |
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| |
|--|
| Connection Offer and Connection Agreement Modification Fees |
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| |
|-------------------|
| CONDITIONS |
|-------------------|

APPLICABLE TO: All users that request a modification to a Connection Offer or Connection Agreement

CHARGES: The table below outlines the fees which are applicable to a given complexity of modification. The System Operators will determine the appropriate level of the modification fee based on the general principles set out in Appendix 2.

| Modification Fee (excluding VAT) | | | |
|---|------------------------|-----------------------|------------------|
| Level | Initial Deposit | Balance of Fee | Total Fee |
| Level 1 | €869 | €0 | €869 |
| Level 1.5 | €869 | €4,372 | €5,241 |
| Level 2 | €869 | €8,745 | €9,614 |
| Level 2.5 | €869 | €13,269 | €14,138 |
| Level 3 | €869 | €17,793 | €18,662 |
| Level 3.5 | €869 | €21,469 | €22,338 |
| Level 4 | €869 | €25,145 | €26,014 |

TARIFF TERMS AND CONDITIONS

1 Definitions and Interpretations

Unless otherwise expressly provided in these *Tariff Terms and Conditions*, any definition of a word or expression in the *Act* shall apply to the use of such word or expression in these *Tariff Terms and Conditions*. Words or expressions in lower case Italics have the meaning attributed to such word or expression in the *Act*. In these *Tariff Terms and Conditions* the following terms shall have the following meanings:

Act means the Electricity Regulation Act, 1999.

Autoproducer User is a User who:

- (a) supplies a natural or legal person who consumes and generates electricity in a Single Premises, or on whose behalf another person generates electricity in the Single Premises where such generation is essentially used in that Single Premises or
supplies a natural or legal person who consumes and generates electricity in a Single Premises, or on whose behalf another person generates electricity in the Single Premises whereby the generated electricity is produced through a Combined Heat and Power process under a licence by CRU,
- (b) *EirGrid* shall provide service to under Tariff Schedules ATS-T or ATS-D as identified in the tariff schedule,
- (c) is a party to which such schedule is applicable; and meets all the eligibility and qualification requirements or pre-requisites set out in the Transmission Use of System Agreement, and
- (d) is obliged to execute and maintain a valid Transmission Use of System Agreement.

CRU means the Commission for Regulation of Utilities.

Charging Period means a period of time starting at 00:00 on the first day of each month and ending at the end of the 24th hour (23:59:59) on the last day of the same calendar month during which a *User* is supplied with service by *EirGrid*.

Connection Date means the date of completion of the proper implementation of the Commissioning Instructions, as defined in the Connection Agreement, in respect of every part of the Customer's Equipment, as defined in the Connection Agreement, to *EirGrid*'s satisfaction.

Customer means a *final customer* as defined in the *Act*. For the avoidance of doubt *Generation Users* and *Autoproducer Users* are considered a *Customer* for purposes of the application of demand related charges under Tariff Schedules GTS-T, GTS-D, ATS-T and ATS-D.

Day Hours are 08:00 to 23:00 hours inclusive on any day GMT Standard or GMT Summer Time as applicable.

Demand User is a person or party who:

- (a) *EirGrid* shall provide service to under Tariff Schedules DTS-T (LEUs), DTS-D1 (LEUs), DTS-D1 (Non-LEUs), DTS-D2 (LEUs) and DTS-D2 (Non-LEUs) as identified in the tariff schedule,
- (b) is a party to which such schedule is applicable; and meets all the eligibility and qualification requirements or pre-requisites set out in the Transmission Use of System Agreement for Suppliers, and

- (c) is obliged to execute and maintain a valid Transmission Use of System Agreement for Suppliers

Distribution Loss Factor has the meaning as in the Trading and Settlement Code.

DG10 is as defined in the DUoS tariff groups available on ESB Networks website (currently defined as a distribution 110kV maximum demand connection).

EirGrid is the holder of the Transmission System Operator licence granted to it by the CRU under section 14(1) (e) of the Act.

Entry Point means Connection Point as defined in the Connection Agreement.

Exit Point means Connection Point as defined in the Connection Agreement.

Generation Unit is any apparatus which produces electricity and for the purposes of applying the Generation System Services Trip Charge, shall include an entire CCGT installation or an entire Wind Farm Power Station, as defined in the Grid Code.

Generation User is a person or party who:

- (a) *EirGrid* shall provide service to under Tariff Schedules GTS-T or GTS-D as identified in the tariff schedule,
- (b) is a party to which such schedule is applicable; and meets all the eligibility and qualification requirements or pre-requisites set out in the Transmission Use of System Agreement, and
- (c) has executed and maintains a valid Transmission Use of System Agreement.

Generator Performance Incentive Charge is the charge as defined in the Other System Charges Methodology Statement.

Grid Entry Point is the point at which *electricity* is transferred from the *Generation User's* facility to the *transmission system* and where the *electricity*, so transferred, is effectively metered or estimated for application of charging under the applicable tariff schedule.

Grid Exit Point is the point at which *electricity* is transferred from the *transmission system* to the *distribution system* and where the *electricity* so transferred is effectively metered or estimated for application of charging under the applicable tariff schedule.

Interconnector: A HVDC electrical transmission system as a means for the bulk transmission of electrical power to or from the Transmission System or Other Transmission System to or from an External Transmission System.

kW means kilowatt.

kWh means kilowatt hour.

Large Energy User (LEU) is defined as a *User* in either DUoS tariff group DG7 or DG8 or DG9 or is connected to the 110kV network or is connected directly to the transmission system.

Maximum Export Capacity (MEC) is as defined in the Connection Agreement in MW or kW and where the value of such (in the Connection Agreement for a given *Entry Point*) is expressed in MVA or kVA then such value will be converted to MW or kW by a factor of 0.95 kW/kVA.

Maximum Import Capacity (MIC) is as defined in the Connection Agreement in MW or kW and where the value of such (in the Connection Agreement for a given *Exit Point*) is expressed in MVA or kVA then such value will be converted to MW or kW by a factor of 0.95 kW/kVA.

Metered Consumption Demand is the 30-minute interval measurement of electricity demand in *kW* or *MW* at the *Exit Point* for each *Customer* adjusted, where applicable, for distribution losses between the *Grid Exit Point* and the *Exit Point* by the applicable *Distribution Loss Factor*.

Metered Consumption Energy is the 30-minute interval measurement of electricity transferred in *kWh* or *MWh* at the *Grid Exit Point* that has been adjusted, where applicable, for distribution losses between the *Grid Exit Point* and the *Exit Point* by the applicable *Distribution Loss Factor*. Interval measurement may be actual interval metered quantities or metered quantities adjusted by consumption profile curves as set forth in the Trading and Settlement Code and or the Metering Code. Where metered quantities are not available, estimated data will be used until actual data is made available.

Metered Generation Demand is the 30-minute interval measurement of electricity demand in *kW* or *MW* at the *Entry Point*.

Metered Generation Energy is the 30-minute interval measurement of electricity transferred in *kWh* or *MWh* at the *Entry Point*. Where metered quantities are not available, estimated data will be used until actual data is made available.

MW means megawatt.

MWh means megawatt hour.

UR means the Utility Regulatory in Northern Ireland.

Night Hours are any hours that are not *Day Hours*.

Non-Large Energy User (Non-LEU) is defined as a *User* in DUoS tariff group DG1, DG2, DG3, DG4, DG5, DG5a, DG5b, DG6, DG6a or DG6b.

Other System Charges is the collective term for Trip Charges, Short Notice Declaration Charges and Generator Performance Incentive Charges.

Other System Charges Methodology Statement means such rules and or other terms and conditions in respect of charging for Other System Charges forming a part of the Statement of Charges for use of the transmission system as approved by the CRU.

Pounds sterling means the Currency of the United Kingdom.

Regulatory Authorities: means the Utility Regulator (UR) in Northern Ireland and the Commission for Regulation of Utilities (CRU) in Ireland and the term "Regulatory Authority" shall be construed accordingly to mean any one of them as the context admits or requires.

SEM means the Single Electricity Market which is the wholesale all island single electricity market.

Settlement Period is a 30 minute period beginning on each hour (XX:00:00) and each half hour (XX:30:00). There are 48 Settlement Periods in a calendar day. Where daylight savings time has been enacted the day's Settlement Periods shall be reduced to 46 to account for one less hour in the day. Where standard time has been restored the day's Settlement Periods shall be increased to 50 to account for one additional hour in the day.

Short Notice Declaration Charge is the charge as defined in the Other System Charges Methodology Statement and is also referred to as the SND Charge.

SONI means the System Operator in Northern Ireland and is the holder of the Transmission System Operator licence granted by the UR under the Electricity (Northern Ireland) Order 1992.

Tariff Terms and Conditions means such rules and or other terms and conditions in respect of transmission use of system forming a part of the Statement of Charges for use of the transmission system as approved by the *CRU* under section 36 of the *Act*.

Trading Period is as is defined in the Trading and Settlement Code.

Transmission Loss Adjustment Factor means a factor derived for the purpose of apportioning responsibility for transmission losses amongst Users of the transmission system which is used to adjust metered quantities during energy market settlement.

Transmission Service means the service provided by EirGrid to Users in respect of connection to and use of the transmission system.

Transmission System; as defined in the EirGrid Grid Code.

Trip Charge is the charge as defined in the Other System Charges Methodology Statement.

User is as defined in the relevant Use of System Agreement.

2 Metering and Charging

Estimation in lieu of actual metering data

EirGrid shall make all reasonable efforts to ensure actual metering data is used to determine Transmission Use of System Charges, however should metering data be unavailable to *EirGrid* or the data provider, estimated data will be used. Recalculation of charges will occur as per Resettlement of Charges described below. The above provisions will also apply to any data provided in aggregate form using estimated data, in whole or in part, from the Meter Registration System Operator or the Single Electricity Market Operator.

Resettlement of charges

Where metering data is incorrect or where estimates have been used or where standing data provided to *EirGrid* has been found to be incorrect, *EirGrid* will use reasonable endeavours to re-bill this account with actual data in the month proceeding the bill month. Where an account is metered by the ESB Distribution System Operator and updated meter or standing data has been provided to *EirGrid* by MRSO, *EirGrid* will carry out resettlement in respect of the account affected by Month + 13 Months pursuant to the Trading and Settlement Code.

The *EirGrid* also may charge a Demand User for Transmission Use of System Charges calculated by reference to electricity discovered or reasonably and properly assessed to have been consumed by a Customer while a Customer of the Demand User but not recorded at the time of consumption for whatever reason.

Pro-ration of the Demand Network Capacity Charge Rate

The Demand Network Capacity Charge Rate under Tariff Schedules GTS-T, GTS-D, ATS-T, ATS-D, DTS-T (LEUs), DTS-D1 (LEUs) and DTS-D1 (Non-LEUs) will be prorated based on the number of effective days in the *Charging Period* where:

- (a) A *Customer* has switched between *Users* within a *Charging Period*.
- (b) A *User's* new *Customer* is connected within a *Charging Period*.
- (c) A *User's* existing *Customer* is disconnected and or has ceased its requirements for service within a *Charging Period*.
- (d) The *Maximum Import Capacity* value for a *Customer* has been revised within a *Charging Period*. Separate calculations will be performed to determine *Charging Capacity* (as defined in the applicable tariff schedule) for each *MIC* value's effective period and multiplied by the pro-rated rate. The Unauthorised Usage charge will be similarly calculated based on each *MIC* value's effective periods.

Changes to Maximum Import Capacity

Revisions to *Maximum Import Capacity* values which occur during a *Charging Period* will be made effective for the charging purposes on the day for the full day.

This will apply in all circumstances except for an *MIC* value reduction in respect of a transmission connected *Customer* in which case the change will be made effective for the charging purposes for the 1st full day of the next *Charging Period* following the completion of an 18 month notification period.

Proration of the Generation Network Capacity Charge Rate

The Generation Network Capacity Charge Rate under Tariff Schedules GTS-T, GTS-D, ATS-T, and ATS-D will be prorated based on the number of effective days in the *Charging Period* where:

- (a) A *User* is connected within a *Charging Period*.
- (b) A *User* is disconnected and or has ceased its requirements for service within a *Charging Period*.

Changes to Maximum Export Capacity

Revisions to *Maximum Export Capacity* values which occur during a *Charging Period* will be made effective for charging purposes on the day for the full day.

SCHEDULE 1 - GENERATION LOCATION BASED CHARGES

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|--|---------------------|-------------------------|---|---|----------------------|---|
| Ireland Transmission Connected Non-Wind | | | | | | |
| Aghada / Longpoint | Aghada | AD1, AT1, AT2, AT4, AD2 | 959 | 959 | €6.6948 | €557.9000 |
| Ardnacrusha | Ardnacrusha | AA1, AA2, AA3, AA4 | 86 | 86 | €6.8100 | €567.5000 |
| Seal Rock | Aughinish | SK3, SK4 | 130 | 130 | €6.4684 | €539.0333 |
| Irishtown | Dublin Bay Power | DB1 | 415 | 415 | €5.7161 | €476.3417 |
| Cushaling | Edenderry Power | ED1 | 121.5 | 121.5 | €6.5252 | €543.7667 |
| Cushaling | Edenderry Peaker | ED3, ED5 | 116 | 116 | €6.5198 | €543.3167 |
| Cathleen's Fall | Erne | ER3, ER4 | 45 | 45 | €9.0441 | €753.6750 |
| Cliff | Erne | ER1, ER2 | 20 | 20 | €9.0441 | €753.6750 |
| Glanagow | Whitegen | WG1 | 445 | 445 | €6.6889 | €557.4083 |
| Great Island 220kV | Great Island | GI4 | 431 | 431 | €5.4689 | €455.7417 |
| Huntstown | Huntstown 1 | HNC | 352 | 352 | €5.7410 | €478.4167 |
| Corduff | Huntstown 2 | HN2 | 412 | 412 | €5.7569 | €479.7417 |
| Lanesboro | Lough Ree Power | LR4 | 94 | 94 | €5.9296 | €494.1333 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|--|---------------------|-----------------------|---|---|-------------------------|---|
| Carrigadrohid | Lee | LE3 | 8 | 8 | €5.8739 | €489.4917 |
| Inniscarra | Lee | LE1, LE2 | 19 | 19 | €6.1561 | €513.0083 |
| Pollaphuca | Liffey | LI1, LI2, LI3, LI4 | 34.18 | 34.18 | €5.3202 | €443.3500 |
| Marina | Marina | MRT | 85 | 85 | €7.0352 | €586.2667 |
| Moneypoint | Moneypoint | MP1, MP2, MP3 | 862.5 | 862.5 | €7.4071 | €617.2583 |
| Northwall 220kV | Northwall | NW5 | 109 | 109 | €5.7335 | €477.7917 |
| Shellybanks | Poolbeg | PBA, PBB | 460 | 460 | €5.7282 | €477.3500 |
| Derryiron | Rhode | RH1, RH2 | 103.6 | 103.6 | €5.5716 | €464.3000 |
| Tarbert 110kV | Tarbert | TB1, TB2 | 108 | 108 | €6.6873 | €557.2750 |
| Tarbert 220kV | Tarbert | TB3, TB4 | 481.4 | 481.4 | €6.6866 | €557.2167 |
| Tawnaghmore | Tawnaghmore Peaker | | 104 | 104 | €8.2159 | €684.6583 |
| Turlough Hill | Turlough Hill | TH1, TH2, TH3, TH4 | 292 | 292 | €5.8930 | €491.0833 |
| Tynagh | Tynagh | TYC | 404 | 404 | €6.7507 | €562.5583 |
| Shannonbridge | West Offaly Power | WO4 | 141 | 141 | €5.9535 | €496.1250 |
| Ireland Transmission Connected Wind | | | | | | |
| Athea | Athea | | 34.35 | 34.35 | €9.8919 | €824.3250 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|----------------|---------------------|-------|---|---|----------------------|---|
| Ballywater | Ballywater | | 42 | 42 | €5.3508 | €445.9000 |
| Boggeragh | Boggeragh | | 57 | 57 | €8.4120 | €701.0000 |
| Boggeragh | Boggeragh 2 | | 65.7 | 65.7 | €8.4120 | €701.0000 |
| Booltiagh | Booltiagh | | 31.45 | 31.45 | €7.4984 | €624.8667 |
| Castledockrell | Castledockrell | | 41.4 | 41.4 | €5.3684 | €447.3667 |
| Clahane | Clahane | | 51.60 | 51.60 | €8.2042 | €683.6833 |
| Garrow | Coomacheo | | 59.225 | 59.225 | €12.6617 | €1,055.1417 |
| Coomagearlahy | Coomagearlahy | | 81 | 81 | €12.6621 | €1,055.1750 |
| Cordal | Cordal | | 89.85 | 89.85 | €8.5735 | €714.4583 |
| Derrybrien | Derrybrien | | 59.5 | 59.5 | €6.3294 | €527.4500 |
| Dromada | Dromada | | 28.5 | 28.5 | €9.8919 | €824.3250 |
| Garvagh | Garvagh | | 48 | 48 | €7.6550 | €637.9167 |
| Glanlee | Glanlee | | 29.8 | 29.8 | €12.6621 | €1,055.1750 |
| Golagh | Golagh | | 15 | 15 | €10.6090 | €884.0833 |
| Coomataggart | Grousemount | | 114.2 | 114.2 | €10.8333 | €902.7750 |
| Slievecallan | Keelderry | | 26.875 | 26.875 | €7.1670 | €597.2500 |
| Kill Hill | Kill Hill | | 36 | 36 | €7.0528 | €587.7333 |
| Cunghill | Kingsmountain 2 | | 34.8 | 34.8 | €8.0871 | €673.9250 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|---------------------------------------|---------------------|-------|---|---|----------------------|---|
| Knockranny | Knockalough | | 33.6 | 33.6 | €6.4042 | €533.6833 |
| Cloghboola | Cloghboola 1 | | 46 | 46 | €10.2215 | €851.7917 |
| Lisheen | Lisheen | | 59 | 59 | €7.4217 | €618.4750 |
| Slievecallan | Loughaun North | | 44.515 | 44.515 | €7.1670 | €597.2500 |
| Meentycat | Meentycat | | 84.96 | 84.96 | €11.5733 | €964.4417 |
| Moneypoint | Moneypoint | | 17.25 | 17.25 | €7.1029 | €591.9083 |
| Ratrussan | Mountain Lodge | | 30.62 | 30.62 | €5.2767 | €439.7250 |
| Mountlucas | Mountlucas | | 79.2 | 79.2 | €5.5584 | €463.2000 |
| Mulreavy | Mulreavy | | 95.25 | 95.25 | €10.6015 | €883.4583 |
| Oweninney | Oweninney Power 1 | | 89 | 89 | €7.9627 | €663.5583 |
| Ratrussan | Ratrussan | | 48 | 48 | €5.2767 | €439.7250 |
| Uggool | Seecon | | 105 | 105 | €6.2186 | €518.2167 |
| Sliabh Bawn | Sliabh Bawn | | 58 | 58 | €5.9363 | €494.6917 |
| Uggool | Uggool | | 64 | 64 | €6.2186 | €518.2167 |
| Woodhouse | Woodhouse | | 20 | 20 | €6.3708 | €530.9000 |
| Ireland Distribution Connected | | | | | | |
| Ardnacrusa | Knockastanna | | 7.5 | 2.5 | €6.8105 | €567.5417 |
| Ardnagappary | Cronalaght 2 | | 17.96 | 12.96 | €9.2296 | €769.1333 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|-------------|------------------------|-------|---|---|-------------------------|---|
| Arklow | Arklow Bank | | 25.2 | 20.2 | €4.9372 | €411.4333 |
| Arklow | Ballycumber | | 18 | 13 | €4.9372 | €411.4333 |
| Arklow | Raheenleagh | | 36.5 | 31.5 | €4.9372 | €411.4333 |
| Ballylickey | Ballybane | | 45.45 | 40.45 | €8.0127 | €667.7250 |
| Ballylickey | Derreenacrinnig West | | 5.82 | 0.82 | €8.0127 | €667.7250 |
| Ballylickey | Kealkil | | 8.5 | 3.5 | €8.0127 | €667.7250 |
| Barrymore | Barranafaddock | | 32.4 | 27.4 | €6.6553 | €554.6083 |
| Barrymore T | Dairygold Mitchelstown | | 8.55 | 3.55 | €6.6553 | €554.6083 |
| Bellacorick | Bellacorick | | 6.45 | 1.45 | €7.9627 | €663.5583 |
| Binbane | Corkermore | | 9.99 | 4.99 | €7.5528 | €629.4000 |
| Binbane | Killin Hill | | 6 | 1 | €7.5528 | €629.4000 |
| Binbane | Loughderryduff | | 7.65 | 2.65 | €7.5528 | €629.4000 |
| Binbane | Meenachullalan | | 11.9 | 6.9 | €7.5528 | €629.4000 |
| Boggeragh | Carrigcannon | | 20 | 15 | €8.4120 | €701.0000 |
| Booltiagh | Boolynagleragh | | 36.98 | 31.98 | €7.4984 | €624.8667 |
| Booltiagh | Cahermurphy | | 6 | 1 | €7.4984 | €624.8667 |
| Booltiagh | Glenmore | | 24 | 19 | €7.4984 | €624.8667 |
| Booltiagh | Lissycasey | | 13.399 | 8.399 | €7.4984 | €624.8667 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|------------------|---------------------|-------|---|---|----------------------|---|
| Carlow | Gortahile | | 21 | 16 | €5.3178 | €443.1500 |
| Castlebar | Raheen Barr 2 | | 8.5 | 3.5 | €6.3740 | €531.1667 |
| Castlebar | Raheen Barr 1 | | 18.7 | 13.7 | €6.3740 | €531.1667 |
| Cathaleen's Fall | Spaddan | | 17.5 | 12.5 | €9.0443 | €753.6917 |
| Cauteen | Cappagh White A | | 52 | 47 | €7.5704 | €630.8667 |
| Cauteen | Cappagh WhiteB | | 13.18 | 8.18 | €7.5704 | €630.8667 |
| Cauteen | Garracummer | | 37.9 | 32.9 | €7.5704 | €630.8667 |
| Cauteen | Glencarbry | | 33 | 28 | €7.5704 | €630.8667 |
| Cauteen | Glenough | | 33 | 28 | €7.5704 | €630.8667 |
| Cauteen | Holyford | | 9 | 4 | €7.5704 | €630.8667 |
| Charleville | Knocknatallig | | 18.3 | 13.3 | €7.5930 | €632.7500 |
| Charleville | Castlepook | | 33.1 | 28.1 | €7.5930 | €632.7500 |
| Cloghboola | Cloghanaleskirt | | 12.55 | 7.55 | €10.2215 | €851.7917 |
| Cloghboola | Cloghboola (2) Ext | | 10 | 5 | €10.2215 | €851.7917 |
| Cloghboola | Glanaruddery 1 | | 20 | 15 | €10.2215 | €851.7917 |
| Cloghboola | Glanaruddery 2 | | 12 | 7 | €10.2215 | €851.7917 |
| Coomataggart | Derragh | | 12 | 7 | €10.8333 | €902.7750 |
| Coomataggart | Cleanrath | | 30.64 | 25.64 | €10.8333 | €902.7750 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|--------------|---------------------------|-------|---|---|-------------------------|---|
| Coomataggart | Lettercannon | | 21.6 | 16.6 | €10.8333 | €902.7750 |
| Cordal | Coollegrean | | 18.5 | 13.5 | €8.5735 | €714.4583 |
| Cordal | Scartaglen | | 39.25 | 34.25 | €8.5735 | €714.4583 |
| Corderry | Altagowlan | | 7.65 | 2.65 | €7.6548 | €637.9000 |
| Corderry | Black Banks (2) | | 6.8 | 1.8 | €7.6548 | €637.9000 |
| Corderry | Tullynamoyle (1) | | 9 | 4 | €7.6548 | €637.9000 |
| Corderry | Tullynamoyle 2 Wind Farm | | 10.225 | 5.225 | €7.6548 | €637.9000 |
| Corderry | Tullynamoyle 3 | | 13.58 | 8.58 | €7.6548 | €637.9000 |
| Crory | Ballycadden | | 24.212 | 19.212 | €5.3684 | €447.3667 |
| Crory | Gibbet Hill | | 14.8 | 9.8 | €5.3684 | €447.3667 |
| Crory | Knocknalour | | 8.95 | 3.95 | €5.3684 | €447.3667 |
| Dallow | Meenwaun | | 9.999 | 4.999 | €5.8454 | €487.1167 |
| Dalton | Magheramore | | 40.8 | 35.8 | €6.4064 | €533.8667 |
| Drybridge | Meath Waste-Energy | | 20.5 | 15.5 | €5.6938 | €474.4833 |
| Dundalk | Grove Hill | | 16.1 | 11.1 | €5.5590 | €463.2500 |
| Dunmanway | Carbery Milk Products CHP | | 6 | 1 | €8.0127 | €667.7250 |
| Dunmanway | Coomatallin | | 5.95 | 0.95 | €8.0127 | €667.7250 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|--------------|--|-------|---|---|-------------------------|---|
| Dunmanway | Killaveenoge | | 24.8 | 19.8 | €8.0127 | €667.7250 |
| Dunmanway | Milane Hill | | 5.94 | 0.94 | €8.0127 | €667.7250 |
| Garrow | Caherdowney | | 10 | 5 | €12.6617 | €1,055.1417 |
| Garvagh | Derrysallagh | | 34 | 29 | €7.6550 | €637.9167 |
| Glenlara | Dromdeeven | | 27 | 22 | €7.5930 | €632.7500 |
| Glenlara | Taurbeg | | 26 | 21 | €9.6704 | €805.8667 |
| Glenree | Carrowleagh | | 34.15 | 29.15 | €7.9311 | €660.9250 |
| Ikerrin | Monaincha Bog | | 35.95 | 30.95 | €6.4775 | €539.7917 |
| Inchicore | Guinness CHP | | 8.075 | 3.075 | €5.6830 | €473.5833 |
| Kilpaddoge | Leanamore | | 18 | 13 | €6.4694 | €539.1167 |
| Kilteel | Arthurstown LFG | | 9.78 | 4.78 | €5.9245 | €493.7083 |
| Knockacummer | Knockacummer | | 100 | 95 | €9.6704 | €805.8667 |
| Knockearagh | Gneeves | | 9.35 | 4.35 | €8.1661 | €680.5083 |
| Knockearagh | WEDcross & Adambridge Manufacturers | | 7.5 | 2.5 | €8.1661 | €680.5083 |
| Letterkenny | Cark | | 15 | 10 | €11.6953 | €974.6083 |
| Letterkenny | Culliagh | | 11.88 | 6.88 | €11.6953 | €974.6083 |
| Lisheen | Bruckana | | 39.6 | 34.6 | €7.4217 | €618.4750 |
| Macroom | Bawnmore | | 24 | 19 | €5.8751 | €489.5917 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|------------|--|-------|---|---|-------------------------|---|
| Macroom | Garranereagh | | 8.75 | 3.75 | €5.8751 | €489.5917 |
| Meath Hill | Bailie Foods | | 5.21 | 0.21 | €6.7818 | €565.1500 |
| Meath Hill | Mullananalt | | 7.5 | 2.5 | €6.7818 | €565.1500 |
| Meath Hill | Gartnaneane | | 10.5 | 5.5 | €6.7818 | €565.1500 |
| Meath Hill | Teevurcher | | 9 | 4 | €6.7818 | €565.1500 |
| Moy | Lackan | | 6 | 1 | €7.8532 | €654.4333 |
| Navan | Shamrock Renewable Fuels | | 13 | 8 | €5.5099 | €459.1583 |
| Oughtragh | Knockaneden | | 9 | 4 | €8.2492 | €687.4333 |
| Portlaoise | Lisdowney | | 9.2 | 4.2 | €5.8391 | €486.5917 |
| Rathkeale | Grouse Lodge | | 15 | 10 | €6.4788 | €539.9000 |
| Rathkeale | Rathcahill | | 12.5 | 7.5 | €6.4788 | €539.9000 |
| Reamore | Knocknagoum | | 44.35 | 39.35 | €8.3343 | €694.5250 |
| Reamore | Muingnaminnane | | 15.3 | 10.3 | €8.3343 | €694.5250 |
| Ringsend | Dublin Waste to Energy | | 72 | 67 | €5.6858 | €473.8167 |
| Salthill | Leitir Guingaid & Doire Chrith1 & 2 Merge | | 40.9 | 35.9 | €6.4042 | €533.6833 |
| Shankill | Carrickallen | | 22 | 17 | €5.3272 | €443.9333 |
| Sligo | Carrickeeney | | 7.65 | 2.65 | €7.6867 | €640.5583 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|-------------|---------------------|-------|---|---|----------------------|---|
| Sligo | Faughary | | 6 | 1 | €7.6867 | €640.5583 |
| Somerset | Sonnagh Old | | 7.65 | 2.65 | €5.8728 | €489.4000 |
| Sorne Hill | Flughland | | 9.2 | 4.2 | €11.6970 | €974.7500 |
| Sorne Hill | Sorne Hill | | 38.9 | 33.9 | €11.6970 | €974.7500 |
| Tawnaghmore | Killala | | 30 | 25 | €8.2162 | €684.6833 |
| Thurles | An Cnoc | | 11.5 | 6.5 | €7.4216 | €618.4667 |
| Thurles | Ballybeagh | | 13.8 | 8.8 | €7.4216 | €618.4667 |
| Thurles | Foylatalure | | 9.6 | 4.6 | €7.4216 | €618.4667 |
| Tonroe | Largan Hill | | 5.94 | 0.94 | €5.9701 | €497.5083 |
| Tralee | Ballincollig Hill | | 15 | 10 | €8.3343 | €694.5250 |
| Tralee | Mount Eagle | | 5.1 | 0.1 | €8.3343 | €694.5250 |
| Tralee | Tursillagh | | 15 | 10 | €8.3343 | €694.5250 |
| Tralee | Tursillagh | | 6.8 | 1.8 | €8.3343 | €694.5250 |
| Trien | Knockawarriga | | 22.5 | 17.5 | €10.2215 | €851.7917 |
| Trien | Tournafulla | | 7.5 | 2.5 | €8.1135 | €676.1250 |
| Trien | Tournafulla | | 17.2 | 12.2 | €10.2215 | €851.7917 |
| Trillick | Beam Hill | | 14 | 9 | €11.6968 | €974.7333 |
| Trillick | Drumlough Hill 2 | | 9.99 | 4.99 | €11.6968 | €974.7333 |

| Station | Generation Facility | Units | Contracted Maximum Export Capacity (MW) | Chargeable Maximum Export Capacity (MW) | Equivalent €/kW/year | Network Capacity Charge Rate €/MW/month |
|------------|---------------------|-------|---|---|----------------------|---|
| Trillick | Meenaward | | 6.9 | 1.9 | €11.6968 | €974.7333 |
| Tullabrack | Moanmore | | 12.6 | 7.6 | €7.2023 | €600.1917 |
| Tullabrack | Tullabrack | | 13.8 | 8.8 | €7.2023 | €600.1917 |
| Waterford | Ballymartin | | 14.28 | 9.28 | €4.7699 | €397.4917 |
| Wexford | Carnsore | | 11.9 | 6.9 | €4.9222 | €410.1833 |
| Wexford | Richfield | | 27 | 22 | €4.9222 | €410.1833 |

Schedule 1 provides TUoS tariffs for existing generators connected to the transmission system and generators connected to the distribution system which have contracted Maximum Export Capacities above 5MW. Schedule 1 also provides TUoS tariffs for new generators expected to connect to the transmission or distribution system in the 2017/2018 tariff period. If any new generators connect to the system that are not listed above, tariffs for such generators will be published at a later date following approval by the CRU.

SCHEDULE 2 – OTHER SYSTEM CHARGES

The following tables set out the charge rates and parameters for Other System Charges from the 1st October 2018. The charge rates and parameters should be considered along with the Other System Charges Methodology Statement.

Table A – Trip & Short Notice Declaration Charge Parameters & Rates¹⁴

| Trip | |
|----------------------------------|----------|
| Direct Trip Rate of MW Loss | 15 MW/s |
| Fast Wind Down Rate of MW Loss | 3 MW/s |
| Slow Wind Down Rate of MW Loss | 1 MW/s |
| Direct Trip Charge Rate | € 2,161 |
| Fast Wind Down Charge Rate | € 1,621 |
| Slow Wind Down Charge Rate | € 1,081 |
| Direct Trip Constant | 0.01 |
| Fast Wind Down Constant | 0.009 |
| Slow Wind Down Constant | 0.008 |
| Trip MW Loss Threshold | 100 MW |
| Short Notice Declarations | |
| SND Time Minimum | 5 min |
| SND Time Medium | 20 min |
| SND Time Zero | 480 min |
| SND Powering Factor | -0.3 |
| SND Charge Rate | €38 / MW |
| SND Threshold | 15 MW |
| Time Window for Chargeable SNDs | 60 min |

¹⁴ <http://www.eirgridgroup.com/customer-and-industry/general-customer-information/ancillary-and-charges/https://www.semcommittee.com/publication/sem-18-042-other-system-charges-osc-decision-paper-tariff-year-20182019>

Table B – Generator Performance Incentive Charge Parameters & Rates¹⁵

| Generator Performance Incentive Charge Parameters & Rates | |
|--|-----------|
| Declaration Based Charges & Constants | |
| Minimum Generation | €1.29/MWh |
| Max Starts in 24 hour period | €0.00/MWh |
| Minimum On Time | €0.00/MWh |
| Reactive Power Leading | €0.32/MWh |
| Reactive Power Lagging | €0.32/MWh |
| Governor Droop | €0.32/MWh |
| Primary Operating Reserve | €0.52/MWh |
| Secondary Operating Reserve | €0.13/MWh |
| Tertiary Operating Reserve 1 | €0.13/MWh |
| Tertiary Operating Reserve 2 | €0.13/MWh |
| Secondary Fuel Availability | €0.03/MWh |
| Late Declaration Notice Time | 480 min |
| Event Based Charges & Constants | |
| Loading Rate | €0.00/MWh |
| Loading Rate Factor 1 | 60 min |
| Loading Rate Factor 2 | 24 |
| Loading Rate Tolerance | 110% |
| De-Loading Rate | €0.00/MWh |
| De-Loading Rate Factor 1 | 60 min |
| De-Loading Rate Factor 2 | 24 |
| De-Loading Rate Tolerance | 110% |
| Early Synchronisation | €0.00/MWh |
| Early Synchronous Tolerance | 15 min |
| Early Synchronous Factor | 60 min |
| Late Synchronisation | €0.00/MWh |
| Late Synchronous Tolerance | 5 min |
| Late Synchronous Factor | 55 min |

Table C – Rate of Change of Frequency (ROCOF) Generator Performance Incentive Daily Rates¹⁶

| Registered capacity | Period |
|----------------------------|----------------------------|
| | 01/10/18 - 30/09/19 |
| ≥ 400MW | € 2,750.00 |
| ≥ 300MW | € 2,062.50 |
| ≥ 200MW | € 1,375.00 |
| ≥ 100MW | € 687.50 |
| ≥ 50MW | € 412.50 |
| < 50MW | € 137.50 |

¹⁵ <http://www.eirgridgroup.com/customer-and-industry/general-customer-information/ancillary-and-charges>
<https://www.semcommittee.com/publication/sem-18-042-other-system-charges-osc-decision-paper-tariff-year-20182019>

¹⁶ See table in Section 3.7 of [CER/14/081](https://www.semcommittee.com/publication/sem-18-042-other-system-charges-osc-decision-paper-tariff-year-20182019)

APPENDIX 1: DISTRIBUTION LOSS FACTORS

A number of the tariffs outlined in the Tariff Schedules are charged based on *Metered Consumption Energy*, where applicable this energy has been adjusted for distribution losses. For convenience this appendix has been provided in order to illustrate Transmission Use of System Charges which shall be charged to users connected to the distribution system.

Table 1 below outlines the distribution loss factors which shall apply to users on tariff schedules DTS-D1 (LEUs), DTS-D1 (Non-LEUs), DTS-D2 (LEUs) and DTS-D2 (Non-LEUs) during day and night hours.

| Table 1: Distribution Loss Factors | | | | | |
|---|-------|--|-------|-------|-------|
| | Time | Voltage level at which the user is connected | | | |
| | | 110kV or higher | 38kV | MV | LV |
| 2018/2019 Distribution Loss Adjustment Factors | Day | 1.000 | 1.021 | 1.037 | 1.093 |
| | Night | 1.000 | 1.017 | 1.030 | 1.075 |

Tables 2 and 3 below outline the tariffs which shall apply to users on tariff schedules DTS-D1 (LEUs), DTS-D1 (Non-LEUs), DTS-D2 (LEUs) and DTS-D2 (Non-LEUs) during day and night hours, taking into account the relevant distribution loss factor. The charges have been calculated by multiplying the relevant tariffs, which are charged based on *Metered Consumption Energy*, by the appropriate distribution loss factor. Distribution users will be charged the tariffs below for each MWh of energy consumed. Users on tariff schedules DTS-D1 (LEUs) or DTS-D1 (Non-LEUs) will also pay the Network Capacity Charge as outlined in the DTS-D1 (LEUs) or DTS-D1 (Non-LEUs) schedules.

| Table 2: Tariffs for Large Energy Users on Schedules DTS - D1 & DTS - D2 with Distribution Loss Factors applied | | | | |
|--|-------|--|--------|--------|
| | Time | Voltage level at which the user is connected | | |
| | | 110kV or higher | 38kV | MV |
| 2018/2019 Distribution Loss Adjustment Factors | Day | 1.000 | 1.021 | 1.037 |
| | Night | 1.000 | 1.017 | 1.030 |
| Network Transfer Charge (€/MWh) | Day | 2.6764 | 2.7326 | 2.7754 |
| | Night | 2.6764 | 2.7219 | 2.7567 |
| System Services Charge (€/MWh) | Day | 6.2932 | 6.4253 | 6.5260 |
| | Night | 6.2932 | 6.4001 | 6.4820 |
| Network Capacity Charge (€/MWh)* | Day | 5.6303 | 5.7485 | 5.8386 |
| Demand Side Management Charge (€/MWh) | Day | 0.0001 | 0.0001 | 0.0001 |

* €/MWh Network Capacity Charge is only applicable to DTS-D2 customers

| Table 3: Tariffs for non Large Energy Users on Schedules DTS - D1 & DTS - D2 with Distribution Loss Factors applied | | |
|--|-------------|---|
| | | Voltage level at which the user is connected |
| | Time | LV |
| 2018/2019 Distribution Loss Adjustment Factors | Day | 1.093 |
| | Night | 1.075 |
| Network Transfer Charge (€/MWh) | Day | 3.4884 |
| | Night | 3.4309 |
| System Services Charge (€/MWh) | Day | 8.2024 |
| | Night | 8.0673 |
| Network Capacity Charge (€/MWh)* | Day | 7.3384 |
| Demand Side Management Charge (€/MWh) | Day | 0.0001 |
| * €/MWh Network Capacity Charge is only applicable to DTS-D2 customers | | |

APPENDIX 2: TYPES OF MODIFICATIONS AND ASSOCIATED LEVELS

For more information on the rules related to processing modification requests please see CRU documents on [Modification Fees for Connection Offers, March 2013](#).

Table 4 – General table of chargeable modifications¹⁷

| Basic Type | Types of Modifications | Level | Main Driver |
|---|---|-------|-----------------------------|
| Name Change | Applicant Name Change/Change of Legal Entity | 1 | Commercial |
| Application Data for applicant in queue – second and subsequent changes | Where an application has been submitted, the first such change will be processed at no charge and a level 1 will apply thereafter. | 1 | Commercial |
| Firm or non-firm | Change in choice of a firm or non-firm/firm offer where no shared shallow works | 1 | Commercial |
| | Change in choice of a firm or non-firm/firm offer where shared shallow works | 2.5 | Construction and Commercial |
| Longstop Dates | Change to longstop dates where allowed | 1.5 | Technical and Commercial |
| Metering | Change to metering arrangements | 1.5 | Construction and Commercial |
| Merger | Merging projects with no significant expected change to works, charges or bonding arrangements (note 1) | 1.5 | Commercial |
| | Merging projects with no significant expected change to shallow works (note 1) | 2.5 | Tech Studies |
| | Merging projects with significant expected change to shallow works | 4 | All |
| Splitting | Splitting projects with no significant expected change to works, charges or bonding arrangements (note 1) | 1.5 | Commercial |
| | Splitting projects with no significant expected change to shallow works but impact on charges or bonding (note 1) | 2 | Tech Studies |
| | Splitting projects with significant expected change to shallow works (note 1) | 4 | All |
| Relocation | Capacity Relocation with no significant expected change to shallow works (note 1). This includes where a customer relocates capacity behind the connection point. | 1.5 | Tech Studies |
| | Capacity Relocation which only reduces the connecting circuit length | 2 | All |
| | Capacity Relocation with significant expected change to shallow works | 4 | All |
| MEC Change | Decrease in MEC with no significant expected change to shallow works (note 1) | 1.5 | Commercial |

¹⁷ Table 5 covers changes to specific data in particular

| Basic Type | Types of Modifications | Level | Main Driver |
|--|---|--|-----------------------------|
| | Decrease in MEC with significant expected change to shallow works | 4 | All |
| | Increase in MEC | Per new application fees ¹⁸ | All |
| MIC Change | Decrease in MIC with no significant expected change to shallow works (note 1) | 1 ¹⁹ | Commercial |
| | Increase in MIC where no studies required - typically for a generator seeking a MIC increase less than 4MW and where MEC is greater than twice the MIC | 1.5 | All |
| | Decrease in MIC with significant expected change to shallow works | 4 | Commercial |
| | Increase in MIC where studies required | Per new application fees ¹² | All |
| Change to overhead or underground cable (See note 3 below) | Change from overhead line to underground cable or vice versa for connection method with no significant expected additional change to shallow works (note 1) | 1.5 | Tech Studies |
| | Change from overhead line to underground cable or vice versa for connection method with significant potential additional change to shallow works | 4 | All |
| Phasing | Phasing legacy projects (no impact on connection works timeline) | 1.5 | Commercial |
| | Phasing Projects as per COPP ruleset | 2 | Construction and Commercial |
| Extension to term of contract | Extension to term of contract with no significant expected change to shallow or deep Transmission works (note 2) | 1.5 | Commercial |
| | Extension to term of contract with expected change to deep Transmission works but no expected significant changes to shallow works | 3 | Technical and Commercial |
| | Extension to term of contract with significant expected change to shallow works | 4 | All |
| | Extension to term of contract with expected significant change to shallow and deep Transmission works | Per new application fees ¹² | All |
| Contestability | Change to contestability decision where allowed | 2 | Construction and Commercial |
| RTUs | Change in number of RTU devices | 2 | Construction and Commercial |

¹⁸ See fees for applications in Tariff Schedules COP, GPA COP and Modification Fees of this Statement or refer to www.esb.ie/esbnetworks for ESB policy

¹⁹ There will be no charge if part of first change to specific or assumed data – whichever the original offer was based on.

| Basic Type | Types of Modifications | Level | Main Driver |
|-----------------------------------|---|-------|--------------------------|
| Overhaul/refurbishing a generator | Changes made to a connected generator due to overhaul or refurbishing | 2.5 | All |
| Change to technology type | Change to technology type where assessment does not require additional studies ²⁰ | 1.5 | Commercial |
| | Change to technology type where assessment requires additional studies | 2.5 | Commercial and Technical |
| | Change to technology type where assessment requires additional studies and likely to require significant changes to shallow works | 4 | All |
| Temporary Connection | Temporary Connections | 4 | All |

Notes on Table 4 above

1. ‘Significant expected change’ means where the System Operators believe that the modification requested has a material impact on the connection method that was originally offered to the customer (beyond the specific change requested) and therefore is likely to affect the connection charge. Assets chargeable to the customer are as set out in the Quotation letter (DSO customers) or Offer Letter (TSO customers). Any changes to these assets would be considered significant. Primary examples of this would be where one or more of the following is likely to be changed:

| |
|--|
| Shallow Works (TSO & DSO) |
| Number or size of connecting stations |
| Number of circuits and associated terminations |
| Number of couplers in a connecting station |
| Length, type or rating of the circuit(s) |
| Number or rating of transformers |
| Number or rating of bays |
| Increased busbar rating |
| The modification requested causes changes to the asset sharing arrangements or other Connection Method changes to another connecting or connected customer |
| Requirements to introduce bonding arrangements to cover potential stranded assets |
| Deep reinforcement (DSO) |
| Changes in circuit reinforcement requirements |
| Changes in station reinforcement requirements |
| Changes in protection requirements |

²⁰ Please note where the change is submitted as part of a change to specific data, and the change to specific data is chargeable, then there will be no additional charge for this modification

These types of changes impact on the works, costs, lead times and legal assumptions contained in the original connection offer and therefore require significant reassessment by the SOs across the technical, commercial and construction related drivers.

- 2 For the avoidance of doubt, all references to shallow works in table 4 should be taken to also include deep distribution works

Changes to Applicant Specific Data – Second and Subsequent submissions. Initial submission processed free of charge (Table 5 below)

Table 5 – Changes to Applicant Specific Data

| Basic Type | Types of Modifications | Level | Main Driver |
|--------------------------------------|--|-------|--------------|
| House Load | Change to house load | 1 | Commercial |
| Reactive Power Devices | Change to reactive power compensation devices | 2 | Tech Studies |
| Change to generation turbine/unit(s) | Change to generation turbine/unit ²¹ with no significant expected change to shallow works | 2.5 | Tech Studies |
| | Change to number of generating turbines/units with no significant expected change to shallow works | 2.5 | Tech Studies |
| | Change to generation turbine/unit ²² with significant expected change to shallow works | 4 | All |
| | Change to number of generating turbines/units with significant expected change to shallow works | 4 | All |
| Transformer Changes | Change to grid connecting transformer(s) specifications | 2.5 | Tech Studies |
| | Change to number of grid connecting transformers | 3.5 | All |

²¹ Including wind turbine changes etc.

²² Including wind turbine changes etc.