

Statement of Charges

Applicable from 1st October 2013

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DOCUMENT HISTORY

1. The 2013/2014 Statement of Charges version 1.0 was approved by the CER on 16/09/2013 and published on the EirGrid website www.eirgrid.com on 17/09/2013.
2. v2.0 issued 18/09/13 contains a change to Appendix 2 - Types of Modifications and Associated Levels

CORRESPONDENCE INFORMATION

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

Customer Relations
EirGrid plc
Block 2 - The Oval
160 Shelbourne Road
Ballsbridge
Dublin 4
Ireland

Email: info@eirgrid.com
Tel: +353 1 702 6642
Fax: +353 1 661 5375

INTRODUCTION

This document sets out EirGrid's charges for use of the transmission system applicable from October 1st 2013 until such time another Statement is approved by the Commission under Section 36 of the Electricity Regulation Act, 1999. The charges published in this statement have been derived in accordance with the 2013 revenue (CER/12/150) and the 2014 revenue (CER/13/189) allowed by the Commission for Energy Regulation (CER).

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).

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

The document contains:

- A general introduction
- The Statement of Charges for use of the Transmission System which comprises of both Network Charges and System Services Charges.

The following are published as separate documents:

- Statement of Payments and Charges for Ancillary Services Providers 2013/2014
- Other System Charges Methodology Statement
- Transmission Loss Adjustment Factors

TRANSMISSION USE OF SYSTEM CHARGES

Transmission Use of System Charges: are charges for the provision of access to the transmission network to transfer energy for trade in the market. They comprise of two parts:

(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.

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

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 date of energisation of the connection assets.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-T (LEUs[1]) in any one *Charging Period* shall be the sum of:

DEMAND TUOS CHARGES

(a) Demand Network Capacity Charge:
€ 1,096.5885/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:
€ 739.1579/MWh for *Metered Consumption Energy*[2] transferred in excess of the *Customer's Maximum Import Capacity* in the *Charging Period*.

(c) Demand Network Transfer Charge:
€ 1.8321/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(d) Demand System Services Charge:
€ 2.3069/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.

[1] Large Energy User (LEU) is defined later in Definitions and Interpretations.
[2] 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 >= 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 date of the customer's connection 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 U*sers* 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 *MIC*s 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:
€ 911.4906/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:
€ 1.8321/MWh for *Metered Consumption Energy*[3] transferred in the *Charging Period*.

(c) Demand System Services Charge:
€ 2.3069/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.

[3] 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 >= 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 date of the customer's connection 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 U*sers* 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 *MIC*s 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:
€ 1,350.8417/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:
€ 2.7151/MWh for *Metered Consumption Energy*[4] transferred in the *Charging Period*.

(c) Demand System Services Charge:
€ 3.4188/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.

[4] 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:
€ 3.8665/MWh for all *Metered Consumption Energy*[5] transferred during *Day Hours* in the *Charging Period*.

(b) Demand Network Transfer Charge:
€ 1.8321/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(c) Demand System Services Charge:
€ 2.3069/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.

[5] 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:
€ 5.7302/MWh for all *Metered Consumption Energy*[6] transferred during *Day Hours* in the *Charging Period*.

(b) Demand Network Transfer Charge:
€ 2.7151/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(c) Demand System Services Charge:
€ 3.4188/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.

NET DEMAND ADJUSTMENT ENERGY:

In respect of charges to *Demand Users* for Net Demand Adjustment MWh under this schedule the *Metered Consumption Energy* is derived from the "Net Demand Adjustment" energy figures supplied by the Single Electricity Market Operator.

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 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*[7] 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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

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:
€ 1,096.5885/MW for each *MW* of Charging Capacity in the *Charging Period*.

[7] The Generation Network Location-Based Capacity Charge shall commence on connection of the project (i.e. from the date of Energisation of the connection assets). In the case of phases/extensions, that do not have distinct connection works and therefore a distinct energisation date, the date of completion of the "post energisation signals and control check" will be used to trigger the GTUoS Network Location-Based Capacity Charge.

Where Charging Capacity is the lesser of:

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:
€ 739.1579/MWh for *Metered Consumption Energy*[8] transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.

(g) Demand Network Transfer Charge:
€ 1.8321/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(h) Demand System Services Charge:
€ 2.3069/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 (http://www.eirgrid.com/).
TERMS:	Terms and conditions set forth in the *Tariff Terms and Conditions* form part of this tariff schedule.

[8] 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*[9] 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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

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.

[9] The Generation Network Location-Based Capacity Charge shall commence on connection of the project (i.e. from the date of Energisation of the connection assets).In the case of phases/extensions, that do not have distinct connection works and therefore a distinct energisation date, the date of completion of the "post energisation signals and control check" will be used to trigger the GTUoS Network Location-Based Capacity Charge.

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 (http://www.eirgrid.com/).
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*[10] 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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

[10] The Generation Network Location-Based Capacity Charge shall commence shall commence on connection of the project (i.e. from the date of Energisation of the connection assets). In the case of phases/extensions, that do not have distinct connection works and therefore a distinct energisation date, the date of completion of the "post energisation signals and control check" will be used to trigger the GTUoS Network Location-Based Capacity Charge.

DEMAND TUOS CHARGES

(e) Demand Network Capacity Charge:
€ 1,096.5885/MW for each *MW* of Charging Capacity in the *Charging Period*.

Where Charging Capacity is the lesser of:

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:
€ 739.1579/MWh for *Metered Consumption Energy* transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.

(g) Demand Network Transfer Charge:
€ 1.8321/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(h) Demand System Services Charge:
€ 2.3069/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 (http://www.eirgrid.com/).

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*[11] 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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

(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 (its counterpart in Northern Ireland), based on Regulatory Authorities' harmonised decisions and posted from time to time on the EirGrid website (www.eirgrid.com).

[11] The Generation Network Location-Based Capacity Charge shall commence on connection of the project (i.e. from the date of Energisation of the connection assets).In the case of phases/extensions, that do not have distinct connection works and therefore a distinct energisation date, the date of completion of the "post energisation signals and control check" will be used to trigger the GTUoS Network Location-Based Capacity Charge.

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 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 EirGrid website (http://www.eirgrid.com/).

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 CER 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:
€ 0.0167/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 COP

Connection Offer Process Application Fees

CONDITIONS

APPLICABLE TO: *Generation or Autoproducer (as applicable) Users* applying for a connection directly to the *Transmission System* at a *Grid Entry Point*. not processed under the group processing approach i.e. Non-GPA[12] applicants

Demand User applying to directly connect to the *Transmission System* at a *Grid Exit Point*.

Any transmission capacity increase request from a *Demand User* or a *Non-GPA Generation User* shall be charged as per the COP fees.

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 FEES

2013/2014 Connection Offer Application Fees (excluding VAT)			
	A	B	C
MIC & MEC Capacity Ranges	Demand Capacity (MIC)	Generation Capacity (MEC)	Shallow Works (If required)
$\leq$ 4 MW	€12,679	€14,498	€19,916
> 4 MW $\leq$ 20 MW	€21,922	€33,618	€35,079
> 20 MW $\leq$ 100 MW	€36,037	€48,287	€40,251
> 100 MW	€49,347	€51,718	€45,731
Demand only: Fee = $A_{MIC} + C_{MIC} - D$			
Generation only: Fee = $B_{MEC} + C_{MEC} - D$			
Demand & Generation: Fee = $A_{MIC} + B_{MEC} + MAX [C_{MEC} , C_{MIC}] - D$			
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.			

OTHER CONDITIONS

OTHER CHARGES: A separate schedule of Connection Offer Process application fees applies for Group Processing applicants. That schedule applies to parties that connect to the transmission system. Please see the Group Processing Approach Connection Offer Process application fees on the next page.

[12] Reference CER/09/099

TARIFF SCHEDULE GPA COP

Group Processing Approach Connection Offer Process Application Fees

CONDITIONS

APPLICABLE TO: *Generation or Autoproducer (as applicable) Users* applying for a connection directly to the *Transmission System* at a *Grid Entry Point* who are being processed as part of a 'Gate' under a Group Processing Approach[13] (GPA).

Any transmission capacity increase request from a GPA applicant shall be charged as per the GPA COP fees.

CHARGES: An initial fee of €7,000 (including VAT) is required to progress an application above 500kW 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.

GROUP PROCESS APPROACH CONNECTION OFFER PROCESS APPLICATION FEES

Application fees (excluding VAT)		
MEC	**Shallow works required**	**No shallow works required[14]**
0 ≤ 11kW	€0	€0
> 11kW ≤ 50kW	€776	€776
> 50 kW ≤ 500kW	€1,584	€1,584
> 500kW ≤ 4MW	€8,991	€8,657
> 4MW ≤ 10MW	€27,736	€23,245
> 10MW ≤ 30MW	€53,723	€33,190
> 30MW ≤ 50MW	€62,605	€37,209
> 50MW ≤ 100MW	€75,083	€40,120
> 100MW	€87,886	€43,602

OTHER CONDITIONS

OTHER CHARGES: A separate schedule of Connection Offer Process application fees applies for those applicants that are not Group Processing applicants. Please see the Connection Offer Process application fees on the previous page.

[13] Reference CER/09/191 and CER/08/260

[14] On initial receipt of an application the fee requested will normally be on the assumption that the shallow works are required. Should no shallow works be required the difference will be refunded.

TARIFF SCHEDULE MODIFICATION FEES

Connection Offer and Connection Agreement Modification Fees

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 fees (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	€8,744	€9,613
Level 2.5	€869	€13,267	€14,137
Level 3	€869	€17,791	€18,660
Level 3.5	€869	€21,466	€22,335
Level 4	€869	€25,142	€26,011

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 CER,

(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.

CER means the Commission for Energy Regulation.

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.

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 *CER* 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

Energise and **Energisation** for TUoS charging means the movement of any isolator, breaker or switch so as to enable active power and reactive power to be transferred to and from the Facility through the Connection Point as defined in the Connection Agreement and **Energisation, Energised, Energising** shall be construed accordingly.

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 unavailable, estimated data will be used until actual data is made available.

MW means megawatt.

MWh means megawatt hour.

Net Demand Adjustment is as defined in the Trading and Settlement Code.

NIAUR means the Northern Ireland Authority for Utility Regulation.

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 *CER*

Pounds sterling means the Currency of the United Kingdom

Regulatory Authorities: means the NIAUR in Northern Ireland and the Commission for Energy Regulation in the Republic 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 NIAUR 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 *CER* 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 the Company has been found to be incorrect, the Company 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 the Company by MRSO, the Company will carry out resettlement in respect of the account affected by Month + 13 Months pursuant to the Trading and Settlement Code.

The Company 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)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Ireland Transmission Connected Non-Wind						
Aghada / Longpoint	Aghada	AD1, AT1, AT2, AT4, AD2	959.00	959.00	**€625.1917**	**€7.5023**
Ardnacrusha	Ardnacrusha	AA1, AA2, AA3, AA4	86.00	86.00	**€472.6167**	**€5.6714**
Seal Rock	Aughinish	SK3, SK4	130.00	130.00	**€524.0167**	**€6.2882**
Irishtown	Dublin Bay Power	DB1	415.00	415.00	**€464.8583**	**€5.5783**
Cushaling	Edenderry Power	ED1	121.50	121.50	**€530.2833**	**€6.3634**
Cushaling	Edenderry Peaker	ED3, ED5	116.00	116.00	**€530.2833**	**€6.3634**
Cathleen's Fall	Erne	ER3, ER4	45.00	45.00	**€808.4500**	**€9.7014**
Cliff	Erne	ER1, ER2	20.00	20.00	**€808.4500**	**€9.7014**
Glanagow	Whitegen	WG1	445.00	445.00	**€544.9333**	**€6.5392**
Great Island 110kV	Great Island	GI1, GI2	108.00	108.00	**€474.9083**	**€5.6989**
Great Island 220kV	Great Island	GI3	108.00	108.00	**€482.7833**	**€5.7934**
Great Island 220kV	Great Island	GI4	431.00	431.00	**€482.7833**	**€5.7934**
Huntstown	Huntstown 1	HNC	352.00	352.00	**€468.5083**	**€5.6221**
Corduff	Huntstown 2	HN2	412.00	412.00	**€466.6250**	**€5.5995**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Lanesboro	Lough Ree Power	LR4	94.00	94.00	**€421.2167**	**€5.0546**
Carrigadrohid	Lee	LE3	8.00	8.00	**€538.9667**	**€6.4676**
Inniscarra	Lee	LE1, LE2	19.00	19.00	**€521.0333**	**€6.2524**
Pollaphuca	Liffey	LI1, LI2, LI3, LI4	34.18	34.18	**€454.6833**	**€5.4562**
Marina	Marina	MR1, MRT	112.00	112.00	**€517.0917**	**€6.2051**
Moneypoint	Moneypoint	MP1, MP2, MP3	862.50	862.50	**€561.2833**	**€6.7354**
Northwall 220kV	Northwall	NW4, NW5	227.00	227.00	**€466.3667**	**€5.5964**
Shellybanks	Poolbeg	PB4,PB5, PB6	460.00	460.00	**€465.5583**	**€5.5867**
Derryiron	Rhode	RH1, RH2	103.60	103.60	**€401.6750**	**€4.8201**
Tarbert 110kV	Tarbert	TB1, TB2	108.00	108.00	**€512.5000**	**€6.1500**
Tarbert 220kV	Tarbert	TB3, TB4	481.40	481.40	**€513.4667**	**€6.1616**
Turlough Hill	Turlough Hill	TH1, TH2, TH3, TH4	292.00	292.00	**€466.5917**	**€5.5991**
Tynagh	Tynagh	TYC	404.00	404.00	**€512.6750**	**€6.1521**
Shannonbridge	West Offaly Power	WO4	141.00	141.00	**€462.4917**	**€5.5499**
Ireland Transmission Connected Wind						
Station	**Name**					
Athea	Athea		51	51.00	**€646.6833**	**€7.7602**
Boggeragh	Boggeragh		57.00	57.00	**€590.2500**	**€7.0830**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Boggeragh	Boggeragh 2		47.70	47.70	**€590.2500**	**€7.0830**
Booltiagh	Booltiagh		31.45	31.45	**€503.0167**	**€6.0362**
Castledockrell	Castledockrell		41.4	41.40	**€573.0417**	**€6.8765**
Coomagearlahy	Coomagearlahy		81	81.00	**€753.2667**	**€9.0392**
Crane	Ballywater		42	42.00	**€460.8167**	**€5.5298**
Cunghill	Kingsmountain		34.8	34.80	**€542.4833**	**€6.5098**
Derrybrien	Derrybrien		59.5	59.50	**€466.0667**	**€5.5928**
Dromada	Dromada		28.5	28.50	**€646.6833**	**€7.7602**
Garrow	Coomacheo		59.225	59.23	**€753.2417**	**€9.0389**
Garvagh	Garvagh		48	48.00	**€813.5667**	**€9.7628**
Glanlee	Glanlee		29.8	29.80	**€753.2667**	**€9.0392**
Golagh	Golagh		15	15.00	**€892.5333**	**€10.7104**
Kill Hill	Kill Hill		62.5	62.50	**€572.0083**	**€6.8641**
Lisheen	Lisheen		55	55.00	**€617.8417**	**€7.4141**
Meentycat	Meentycat		84.96	84.96	**€993.4250**	**€11.9211**
Mount Lucas	Mount Lucas		79.2	79.20	**€433.2667**	**€5.1992**
Clahane	Clahane		37.8	37.80	**€649.0750**	**€7.7889**
Ratrussan	Mountain Lodge		30.62	30.62	**€381.3250**	**€4.5759**
Ratrussan	Ratrussan		48	48.00	**€381.3250**	**€4.5759**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Ireland Distribution Connected					**€0.0000**	**€0.0000**
Ardnacrusha	Knockastanna		7.5	2.50	**€472.6250**	**€5.6715**
Arklow	Arklow Bank		25.2	20.20	**€436.4667**	**€5.2376**
Ballylickey	Kealkil		8.5	3.50	**€484.9083**	**€5.8189**
Ballylickey	Glanta Commons		39.45	34.45	**€484.9083**	**€5.8189**
Barrymore	Dairygold Mitchelstown		8.55	3.55	**€506.6917**	**€6.0803**
Bellacorick	Bellacorick 1		6.45	1.45	**€585.4000**	**€7.0248**
Binbane	Corkermore		15	10.00	**€640.1667**	**€7.6820**
Binbane	Killin Hill		6	1.00	**€640.1667**	**€7.6820**
Binbane	Loughderryduff		7.65	2.65	**€640.1667**	**€7.6820**
Binbane	Meenachullalan		11.9	6.90	**€640.1667**	**€7.6820**
Boggeragh	Carrigcannon		20	15.00	**€590.2500**	**€7.0830**
Carlow	Gortahile		21	16.00	**€454.6667**	**€5.4560**
Castlebar	Raheen Barr 1		18.7	13.70	**€482.4083**	**€5.7889**
Castlebar	Raheen Barr 2		8.5	3.50	**€482.4083**	**€5.7889**
Cauteen	Cappagh White		16.1	11.10	**€562.9917**	**€6.7559**
Cauteen	Garracummer		36.9	31.90	**€562.9917**	**€6.7559**
Cauteen	Glenough		33	28.00	**€562.9917**	**€6.7559**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Cauteen	Holyford		9	4.00	**€562.9917**	**€6.7559**
Corderry	Altagowlan		7.65	2.65	**€813.5417**	**€9.7625**
Corderry	Black Banks 2		6.8	1.80	**€813.5417**	**€9.7625**
Corderry	Tullynamoyle		9	4.00	**€813.5417**	**€9.7625**
Crory	Ballycadden		25.95	20.95	**€573.0417**	**€6.8765**
Crory	Gibbet Hill		14.8	9.80	**€573.0417**	**€6.8765**
Crory	Knocknalour		8.95	3.95	**€573.0417**	**€6.8765**
Drybridge	Meath Waste-Energy		17.00	12.00	**€439.9083**	**€5.2789**
Drybridge	Dunmore		6.5	1.50	**€439.9000**	**€5.2788**
Dunmanway	Carbery Milk Products CHP		6.00	1.00	**€484.9083**	**€5.8189**
Dunmanway	Coomatallin		9	4.00	**€484.9083**	**€5.8189**
Dunmanway	Milane Hill		5.94	0.94	**€484.9083**	**€5.8189**
Garrow	Caherdowney		10	5.00	**€753.2417**	**€9.0389**
Glenlara	Dromdeeveen		27	22.00	**€615.1667**	**€7.3820**
Glenlara	Taurbeg		26	21.00	**€615.1667**	**€7.3820**
Glenree	Carrowleagh		34.15	29.15	**€598.1000**	**€7.1772**
Ikerrin	Monaincha Bog		30	25.00	**€562.5083**	**€6.7501**
Inchicore	Guinness CHP		8.075	3.08	**€461.1333**	**€5.5336**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Kilteel	Arthurstown LFG		9.78	4.78	**€426.8500**	**€5.1222**
Knockacummer	Knockacummer		87	82.00	**€615.1667**	**€7.3820**
Knockearagh	Gneeves		9.35	4.35	**€663.9667**	**€7.9676**
Knockearagh	WEDCross Wind Farm and Adambridge CHP		7.5	2.50	**€663.9667**	**€7.9676**
Letterkenny	Cark		15	10.00	**€1,008.5417**	**€12.1025**
Letterkenny	Culliagh		11.88	6.88	**€1,008.5417**	**€12.1025**
Lisheen	Bruckana		39.6	34.60	**€617.8417**	**€7.4141**
Macroom	Bawnmore		24	19.00	**€541.3333**	**€6.4960**
Macroom	Garranereagh		8.75	3.75	**€541.3333**	**€6.4960**
Meath Hill	Mullananalt		7.5	2.50	**€475.8250**	**€5.7099**
Meath Hill	Gartnaneane		10.5	5.50	**€475.8250**	**€5.7099**
Moy	Lackan		6	1.00	**€593.7750**	**€7.1253**
Northwall 38kV	NW1, NW2, NW3		45	40.00	**€468.4750**	**€5.6217**
Oughtragh	Knockaneden		9	4.00	**€665.0833**	**€7.9810**
Rathkeale	Grouse Lodge		15	10.00	**€510.7167**	**€6.1286**
Rathkeale	Rathcahill		12.5	7.50	**€510.7167**	**€6.1286**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Reamore	Knocknagoum		44.35	39.35	**€665.6417**	**€7.9877**
Salthill	Leitir Guingaid		40.9	35.90	**€394.3500**	**€4.7322**
Sligo	Carrickeeney		7.65	2.65	**€499.1333**	**€5.9896**
Somerset	Sonnagh Old		7.65	2.65	**€455.0500**	**€5.4606**
Sorne Hill	Flughland		9.2	4.20	**€1,008.5000**	**€12.1020**
Sorne Hill	Sorne Hill		38.9	33.90	**€1,008.5000**	**€12.1020**
Tawnaghmore	Tawnaghmore Peaker		104	99.00	**€593.7250**	**€7.1247**
Thurles	An Cnoc		11.5	6.50	**€617.8417**	**€7.4141**
Tonroe	Largan Hill		5.94	0.94	**€461.7250**	**€5.5407**
Tralee	Ballincollig Hill		15	10.00	**€665.6417**	**€7.9877**
Tralee	Mount Eagle 1		5.1	0.10	**€665.6417**	**€7.9877**
Tralee	Muingnaminnane		15.3	10.30	**€665.6417**	**€7.9877**
Tralee	Tursillagh 1		15	10.00	**€665.6417**	**€7.9877**
Tralee	Tursillagh 2		6.8	1.80	**€665.6417**	**€7.9877**
Trien	Knockawarriga 1		22.5	17.50	**€637.5833**	**€7.6510**
Trien	Tournafulla 2		17.2	12.20	**€637.5833**	**€7.6510**
Trien	Tournafulla 1		7.5	2.50	**€637.5833**	**€7.6510**
Trillick	Beam Hill 1		14	9.00	**€1,008.5000**	**€12.1020**

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Trillick	Drumlough Hill 2		9.99	4.99	**€1,008.5000**	**€12.1020**
Tullabrack	Moanmore 1		12.6	7.60	**€487.6083**	**€5.8513**
Waterford	Ballymartin		14.28	9.28	**€478.1583**	**€5.7379**
Wexford	Carnsore		11.90	6.90	**€415.3000**	**€4.9836**
Wexford	Richfield		27	22.00	**€415.3000**	**€4.9836**

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 of above 5MW. Schedule 1 also provides TUoS tariffs for new generators expected to connect to the transmission or distribution system in the 2013/2014 tariff period. If any new generators that connect to the system are not listed above, tariffs for such generators will be published at a later date following approval by the CER.

SCHEDULE 2 – OTHER SYSTEM CHARGES

The following tables set out the charge rates and parameters for Other System Charges from the 1st October 2013. The charge rates and parameters should be considered along with the Other System Charges Methodology Statement.

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

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	€4,080
Fast Wind Down Charge Rate	€3,060
Slow Wind Down Charge Rate	€2,040
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	€ 71 / MW
SND Threshold	15 MW
Time Window for Chargeable SNDs	60 min

Table B – Generator Performance Incentive Charge Parameters & Rates

Generator Performance Incentive Charge Parameters & Rates	
Half Hour Trading Period Charges	
Minimum Generation	€ 1.20 / MWh
Max Starts in 24 hour period	€ 1.02 / MWh
Minimum On Time	€ 1.02 / MWh
Reactive Power Leading	€ 0.30 / MWh
Reactive Power Lagging	€ 0.30 / MWh
Governor Droop	€ 0.30 / MWh
Primary Operating Reserve	€0.12 / MWh
Secondary Operating Reserve	€0.12 / MWh
Tertiary Operating Reserve 1	€0.12 / MWh
Tertiary Operating Reserve 2	€0.12 / MWh
Late Declaration Notice Time	480 mins
Event Based Charges	
Loading Rate	€ 0.60 / MWh
Loading Rate Factor 1	60 min
Loading Rate Factor 2	24
Loading Rate Tolerance	110%
De-Loading Rate	€0.59 / MWh
De-Loading Rate Factor 1	60 min
De-Loading Rate Factor 2	24
De-Loading Rate Tolerance	110%
Early Synchronisation	€ 2.70 / MWh
Early Synchronous Tolerance	15 min
Early Synchronous Factor	60 min
Late Synchronisation	€ 27.00 / MWh
Late Synchronous Tolerance	5 min
Late Synchronous Factor	55 min

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[15] 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					
		Voltage level at which the user is connected			
	Time	110kV or higher	38	MV	LV
2013/2014 Distribution Loss Adjustment Factors	Day	1.000	1.017	1.039	1.089
	Night	1.000	1.014	1.031	1.072

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				
		Voltage level at which the user is connected		
	Time	110kV or higher	38kV	MV
2013/2014 Distribution Loss Adjustment Factors	Day	1.000	1.017	1.039
	Night	1.000	1.014	1.031
Network Transfer Charge (€/MWh)	Day	1.8321	1.8632	1.9036
	Night	1.8321	1.8577	1.8889
System Services Charge (€/MWh)	Day	2.3069	2.3461	2.3969
	Night	2.3069	2.3392	2.3784
Network Capacity Charge (€/MWh)*	Day	3.8665	3.9322	4.0173
Demand Side Management Charge (€/MWh)	Day	0.0167	0.0170	0.0174
* €/MWh Network Capacity Charge is only applicable to DTS-D2 customers				

[15] 2013/2014 Distribution Loss Factors have been provided by CER (CER/13/190 (d))

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**
2013/2014 Distribution Loss Adjustment Factors	Day	1.089
	Night	1.072
Network Transfer Charge (€/MWh)	Day	2.9567
	Night	2.9106
System Services Charge (€/MWh)	Day	3.7231
	Night	3.6650
Network Capacity Charge (€/MWh)*	Day	6.2402
Demand Side Management Charge (€/MWh)	Day	0.0182
* €/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 CER documents on Modification Fees for Connection Offers, March 2013.

Table 4 – General table of chargeable modifications [16]

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	4	All

[16] Table 5 covers changes to specific data in particular

Basic Type	Types of Modifications	Level	Main Driver
	change to shallow works		
MEC Change	Decrease in MEC with no significant expected change to shallow works (note 1)	1.5	Commercial
	Decrease in MEC with significant expected change to shallow works	4	All
	Increase in MEC	Per new application fees[17]	All
MIC Change	Decrease in MIC with no significant expected change to shallow works (note 1)	1[18]	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	Per new application	All

[17] See fees for new applications in EirGrid's Statement of Charges or refer to www.esb.ie\esbnetworks for ESB policy
[18] 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
	Transmission works	fees[12]	
Contestability	Change to contestability decision where allowed	2	Construction and Commercial
RTUs	Change in number of RTU devices	2	Construction and Commercial
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[19]	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 SOs 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

[19] 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

Deep reinforcement (DSO)
Changes in circuit reinforcement requirements
Changes in station reinforcement requirements
Changes in protection requirements

These types of changes impact on the works, costs, leadtimes 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[20] 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[21] 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

[20] Including wind turbine changes etc.
[21] Including wind turbine changes etc.