



Statement of Charges

Applicable from 1st October 2010

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DOCUMENT HISTORY

- 1) The 2010/2011 Statement of Charges version 1.0 was approved by the CER on 30/09/2010 and published on the EirGrid website www.eirgrid.com on 30/09/2010.

CORRESPONDENCE INFORMATION

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

Customer Team

EirGrid plc,

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 2010 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 2010 revenue (CER/09/140) and the draft 2011 revenue (CER/10/102) allowed by the Commission for Energy Regulation (CER).

These tariffs may be subject to change during this period 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.

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. Use of the Transmission System comprises both Network Charges and System Services Charges.

The Ancillary Services Statement of Payments & Charges is published as a separate document. The Other System Charges Methodology Statement is published as a separate document. Transmission Loss Adjustment Factors are also published as a separate document.

TRANSMISSION - USE OF SYSTEM

Transmission Use of System: charges for the provision of access to the transmission network to transfer energy for trade in the market, it comprises two parts:

- (a) *Network Charges*: for the use of the Republic of Ireland transmission system infrastructure for the transportation of electricity. Use of the network occurs by users importing from the system for their consumption (Demand TUoS) and by users exporting to the system for sale (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*: the costs arising from the operation and security of the transmission system. EirGrid pays the costs of Ancillary Services to the providers of such services. Users pay EirGrid a System Services Charge in respect of these costs. Some users are subject to charges for both importing and exporting where generation and demand exist on the same premises.

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 sales 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 sales and importing for consumption by on-site demand.

TRANSMISSION USE OF SYSTEM CHARGES

TARIFF SCHEDULE DTS-T (LEUs)

Demand Transmission Service Tariff - Transmission Connections

CONDITIONS

APPLICABLE TO: *Demand Users* supplying a *Customer* directly connected to the *Transmission System* at each *Grid Exit Point* from the date of the customer's connection.

CHARGES: Use of System Charges for service under Tariff Schedule DTS-T (LEUs¹) in any one *Charging Period* shall be the sum of:

DEMAND TUOS CHARGES

(a) Demand Network Capacity Charge:
€716.2822/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:
€691.6570/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:
€1.1540/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

(d) Demand System Services Charge:
€1.3566/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.

OTHER CONDITIONS

OTHER CHARGES: Tariff Schedule DSMC (Demand Side Management Charge³) 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.

³ Formerly Capacity Margin Charge

TARIFF SCHEDULE DTS-D1 (LEUs)

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

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 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:
€602.3418/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:
€1.1540/MWh for *Metered Consumption Energy*⁴ transferred in the *Charging Period*.

(c) Demand System Services Charge:
€1.3566/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-D1 (NON-LEUs)

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

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 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:
€1,088.0452/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:
€2.0845/MWh for *Metered Consumption Energy*⁵ transferred in the *Charging Period*.

- (c) Demand System Services Charge:
€2.4505/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 (LEUs)

Demand Transmission Service - Distribution Connections classified 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:
€2.4596/MWh for all *Metered Consumption Energy*⁶ transferred during *Day Hours* in the *Charging Period*.
- (b) Demand Network Transfer Charge:
€1.1540/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) Demand System Services Charge:
€1.3566/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.

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:
€4.4430/MWh for all *Metered Consumption Energy*⁷ transferred during *Day Hours* in the *Charging Period*.
- (b) Demand Network Transfer Charge:
€2.0845/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) Demand System Services Charge:
€2.4505/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.

PES ENERGY: In respect of charges to ESB (Customer Supply Group in its capacity as the Public Electricity Supplier or PES) under this schedule the *Metered Consumption Energy* is derived from a "Remainder" calculation set forth in section 2 of the *Tariff Terms and Conditions*.

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 lesser of the *Maximum Export Capacity* or the *Shallow Connection Capacity* at the *Entry Point*, as set forth in Schedule 1, for the *Charging Period*.
- (b) Generation Network Location-Based Non-Firm Capacity Charge:
The Network Location-Based Non-Firm Capacity Charge Rate for all *Metered Generation Energy* exported in excess of the *Shallow Connection Capacity* at the *Entry Point* during the *Charging Period*. Non-firm charges that exist for any generator will be published in Schedule 1.
- (c) 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).
- (d) 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).
- (e) 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

- (f) Demand Network Capacity Charge:
€716.2822/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

- (g) Demand Network Unauthorised Usage Charge:
€691.6570/MWh for *Metered Consumption Energy*⁸ transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.
- (h) Demand Network Transfer Charge:
€1.1540/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (i) Demand System Services Charge:
€1.3566/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 Connection

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* of the lesser of the *Maximum Export Capacity* or the *Shallow Connection Capacity*, as set forth in Schedule 1, for the *Charging Period*. Where the *Maximum Export Capacity* is less than "10" (ten) *MW* the Generation Network Location-Based Capacity Charge Rate will be "0" (zero).
- (b) Generation Network Location-Based Non-Firm Capacity Charge:
The Network Location-Based Non-Firm Capacity Charge Rate for all *Metered Generation Energy* exported in excess of the *Shallow Connection Capacity* during the *Charging Period*. Non-firm charges that exist for any generator will be published in Schedule 1.
- (c) 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).
- (d) 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).
- (e) 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 dependant 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 dependant on the characteristics of the demand associated with the distribution connected generator 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/>).
- 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 charges (a) and (b) will be set to "0" (zero).
- ii) Where the *Autoproducer User's Maximum Export Capacity* is greater than their *Maximum Import Capacity* then charge (f) will be set to "0" (zero).

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

Charges (g), (h) and (i) 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 lesser of the *Maximum Export Capacity* or the *Shallow Connection Capacity* at the *Entry Point*, as set forth in Schedule 1, for the *Charging Period*.
- (b) Generation Network Location-Based Non-Firm Capacity Charge:
The Network Location-Based Non-Firm Capacity Charge Rate for all *Metered Generation Energy* exported in excess of the *Shallow Connection Capacity* at the *Entry Point* during the *Charging Period*. Non-firm charges that exist for any generator will be published in Schedule 1.
- (c) 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).
- (d) 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).
- (e) 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).

DEMAND TUOS CHARGES

- (f) Demand Network Capacity Charge:
€716.2822/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

- (g) Demand Network Unauthorised Usage Charge:
€691.6570/MWh for *Metered Consumption Energy* transferred in excess of the *Maximum Import Capacity* in the Charging Period.

- (h) Demand Network Transfer Charge:
€1.1540/MWh for *Metered Consumption Energy* transferred in the Charging Period.

- (i) Demand System Services Charge:
€1.3566/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 (g), (h) and (i) 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 charges (a) and (b) will be set to "0" (zero).
- ii) Where the *Autoproducer User's Maximum Export Capacity* is greater than their *Maximum Import Capacity* then charge (f) will be set to "0" (zero).

Charges (c), (d) and (e) 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* of the lesser of *Maximum Export Capacity* or the *Shallow Connection Capacity*, as set forth in Schedule 1, for the *Charging Period*. Where the *Maximum Export Capacity* is less than "10" (ten) *MW* the Generation Network Location-Based Capacity Charge Rate will be "0" (zero).

(b) Generation Network Location-Based Non-Firm Capacity Charge:

The Network Location-Based Non-Firm Capacity Charge Rate for all *Metered Generation Energy* exported in excess of the *Shallow Connection Capacity* during the *Charging Period*. Non-firm charges that exist for any generator will be published in Schedule 1.

(c) 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).

(d) 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).

(e) 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).

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 dependant 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 Capacity Charge where appropriate, 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 (formerly Capacity Margin Charge)

CONDITIONS

BACKGROUND: The CER has determined that winter demand reduction (under the Winter Peak Demand Reduction Scheme and Powersave) be rewarded and have 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:
€0.4086/MWh for all *Metered Consumption Energy* transferred during *Day Hours* in the *Charging Period*. This is in accordance with the CER determination on allowable revenues to be recovered for Powersave and Winter Peak Demand Reduction Scheme for 2010/2011 (CER/10/102j).

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: applicants who enter the connection offer process.

CHARGES: The fee is dependent on the size (capacity) of the applicant's development and whether shallow connection works are involved in dealing with the capacity required:

CONNECTION OFFER PROCESS APPLICATION FEES

2010/2011 Connection Offer Application Fees (excluding VAT)			
MIC & MEC Capacity Ranges	A	B	C
	Demand Capacity (MIC)	Generation Capacity (MEC)	Shallow Works (If Yes)
≤ 4 MW	€11,864	€13,566	€18,636
> 4 MW ≤ 20 MW	€20,513	€31,458	€32,825
> 20 MW ≤ 100 MW	€33,721	€45,184	€37,664
> 100 MW	€46,176	€48,394	€42,792
Demand only: Fee = $A_{MIC} + C_{MIC} - D$			
Generation only: Fee = $B_{MEC} + C_{MEC} - D$			
Demand & Generation: Fee = $A_{MIC} + B_{MEC} + \text{MAX} [C_{MEC}, C_{MIC}] - D$			
Where D is the sum of the credits for pre-feasibility and advanced works studies still relevant. Determination of D will be in accordance with the Relevant Work Credit structure.			

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 distribution or transmission system. Please see the Group Processing Approach Connection Offer Process application fees on the next page.

TARIFF SCHEDULE GPA COP

Group Processing Approach Connection Offer Process Application Fees

CONDITIONS

APPLICABLE TO: applicants who are being processed as part of Gate 3⁹.

CHARGES: The fee is dependent on the size (capacity) of the applicant's development and whether shallow connection works are involved in dealing with the capacity required:

GROUP PROCESS APPROACH CONNECTION OFFER PROCESS APPLICATION FEES

Application fees (excluding VAT)		
MEC	Shallow works required	No shallow works required ¹⁰
0 ≤ 11kW	€0	€0
11 ≤ 50kW	€726	€726
50 ≤ 500kW	€1,482	€1,482
500kW ≤ 4MW	€8,413	€8,101
4 ≤ 10MW	€25,954	€21,751
10 ≤ 30MW	€50,271	€31,057
30 ≤ 50MW	€58,582	€34,818
50 ≤ 100MW	€70,258	€37,542
> 100MW	€82,238	€40,800

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.

⁹ Reference CER/09/191 and CER/08/260

¹⁰ 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 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

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

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 for Generators, and
- (c) has executed and maintains a valid Transmission Use of System Agreement for Generators

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.

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.

NIAUR means the Northern Ireland Authority for Utility Regulation.

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

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 Northern Ireland.

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 as is defined in the Trading and Settlement Code.

Shallow Connection Capacity has the meaning, if applicable, set forth in the connection agreement. If it is not provided for in the connection agreement it shall be deemed to be 0MW prior to the operational date and equal to the MEC thereafter.

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 Day is as defined in the Trading and Settlement Code.

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.

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.

PES Remainder Energy Calculation

The *Metered Consumption Energy* attributable to ESB (Customer Supply Group in its capacity as the Public Electricity Supplier or PES) under Tariff Schedule DTS-D2 (Non-LEUs) is derived from a "Remainder" calculation. The remaining energy attributable to PES is as follows:

PES Remainder for each *Settlement Period* is equal to:

- a) the sum of all *Metered Generation Energy* connected to the system
plus
- b) the net transmission loss adjusted *Import* to the system
minus
- c) the sum of all *Metered Consumption Energy* not served by the PES
minus
- d) the net transmission loss adjusted *Export* to the system
minus
- e) the sum of all *Metered Consumption Energy* attributable to the PES under any other Tariff Schedule.
 - i) Where a) above shall constitute all *Metered Generation Energy* regardless of the party's accession status to the Trading and Settlement Code. Where data in respect of such *Metered Generation Energy* is not being made available to *EirGrid* then *EirGrid* will estimate in lieu of actual data in accordance with the *Tariff Terms and Conditions*.
 - ii) Where if data is not made available to charge the PES as per the appropriate rate schedule, *EirGrid* shall estimate the difference in charges between the DTS-D2 (Non-LEUs) schedule and the applicable schedule and charge the PES accordingly until such time as the required actual data is provided to *EirGrid*.

For the avoidance of doubt *Metered Generation Energy* and *Metered Consumption Energy*, by their definition in the *Tariff Terms and Conditions*, have been adjusted for both

transmission and or distribution losses to the delivery boundary of the transmission-distribution system interface.

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	Units	Contracted Maximum Export Capacity	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year	Non-Firm Energy Charge Rate €/MWh
Aghada 220kV (inc Longpoint CCGT)**	AD1, AT1, AT2, AT4, AD2	959.000 MW	€453.8975	€5.4468	€0.6218
Ardnacrusha	AA1, AA2, AA3, AA4	86.000 MW	€203.2333	€2.4388	n/a
Aughinish (Seal Rock)	SK3, SK4	130.000 MW	€606.9250	€7.2831	n/a
Dublin Bay Power (Irishtown)	DB1	415.000 MW	€769.6858	€9.2362	n/a
Edenderry Power (Cushaling)	ED1	121.500 MW	€223.0575	€2.6767	n/a
Edenderry Peaker (Cushaling)	ED3, ED5	116.000 MW	€223.0575	€2.6767	€0.3056
Erne (Cathleen's Fall)	ER3, ER4	45.000 MW	€301.5750	€3.6189	n/a
Erne (Cliff)	ER1, ER2	20.000 MW	€301.5750	€3.6189	n/a
Whitegate CCGT (Glanagow)**	WG1	445.000 MW	€453.8975	€5.4468	€0.6218
Great Island 110kV	GI1, GI2	108.000 MW	€125.1492	€1.5018	n/a
Great Island 220kV	GI3	108.000 MW	€316.8558	€3.8023	n/a
Huntstown 1	HNC	352.000 MW	€533.6758	€6.4041	n/a
Huntstown 2	HN2	412.000 MW	€528.0842	€6.3370	n/a
Lough Ree Power (Lanesboro)	LR4	94.000 MW	€46.3642	€0.5564	n/a
Lee (Carrigadrohid)	LE3	8.000 MW	€250.9542	€3.0115	n/a
Lee (Inniscarra)	LE1, LE2	19.000 MW	€217.2050	€2.6065	n/a
Liffey (Pollaphuca)	LI1, LI2, LI4	34.000 MW	€118.5233	€1.4223	n/a
Marina***	MR1, MRT	112.000 MW	€38.4300	€0.4612	n/a
Moneypoint	MP1, MP2, MP3	862.500 MW	€761.1075	€9.1333	n/a
Northwall 38kV	NW1, NW2, NW3	45.000 MW	€430.8108	€5.1697	n/a
Northwall 220kV	NW4, NW5	227.000 MW	€58.6917	€10.3043	n/a
Poolbeg***	PB1, PB2, PB3	461.000 MW	€755.0233	€9.0603	n/a
Poolbeg (Shellybanks)	PB4, PB5, PB6	460.000 MW	€766.7808	€9.2014	n/a
Rhode (Derryiron)	RH1, RH2	103.600 MW	€319.2167	€3.8306	n/a
Tarbert 110kV	TB1, TB2	108.000 MW	€726.7833	€8.7214	n/a
Tarbert 220kV	TB3, TB4	481.400 MW	€741.1458	€8.8938	n/a

Tawnaghmore Peaker	TP1, TP3	104.000 MW	€420.3633	€5.0444	€0.5758
Turlough Hill	TH1, TH2, TH3, TH4	292.000 MW	€29.1542	€9.9499	n/a
Tynagh	TYC	404.000 MW	€668.2208	€8.0187	n/a
West Offaly Power (Shannonbridge)	WO4	141.000 MW	€43.6858	€4.1242	n/a
Transmission Connected Wind					
Ballywater		42.000 MW	€257.7242	€3.0927	€1.0698
Boggeragh		57.000 MW	€353.3750	€4.2405	€1.4669
Booltiagh*		19.45 + 12.05 MW	€147.3767	€1.7685	€0.6118
Castledockrill*		41.400 MW	€257.7242	€3.0927	€1.0698
Clahane		37.800 MW	€713.3400	€8.5601	€2.9611
Coomacheo (@ Garrow)		59.225 MW	€482.2742	€5.7873	€2.0020
Coomagearlaghy		81.000 MW	€482.2750	€5.7873	€2.0020
Kingsmountain (@ Cunghill)		34.800 MW	€363.6108	€4.3633	€1.5094
Derrybrien		59.500 MW	€401.3808	€4.8166	€1.6662
Dromada		46.000 MW	€792.1375	€9.5057	€3.2882
Glanlee*		29.8 + 6 MW	€482.2917	€5.7875	€2.0020
Golagh		15.000 MW	€284.3783	€3.4125	n/a
Garvagh		58.225 MW	€149.8833	€1.7986	€0.6222
Lisheen		55.000 MW	€0.0000	€0.0000	€0.0000
Meentycat		84.960 MW	€336.1967	€4.0344	€1.3956
Bindoo (@ Ratrussan)		70.000 MW	€101.8150	€1.2218	€0.4226
Mountain Lodge (@ Ratrussan)		30.620 MW	€101.8150	€1.2218	€0.4226
Distribution Connected Wind	Connected at				
Arklow Wind	Arklow	25.200 MW	€114.9417	€1.3793	n/a
Ballycadden*	Ballycadden	14.450 MW	€257.7242	€3.0927	€1.0698
Gibbeet Hill*	Ballycadden	14.800 MW	€257.7242	€3.0927	€1.0698
Glanta Commons Wind	Ballylickey	27.950 MW	€15.4067	€0.1849	€0.0640
Corkermore Wind*	Binbane	15.000 MW	€301.5750	€3.6189	€1.2519
Meenachullalan	Binbane	11.900 MW	€301.5750	€3.6189	€1.2519
Carrigcannon*	Boggeragh	20.000 MW	€353.3750	€4.2405	€1.4669
Killavoy	Boggeragh	18.000 MW	€353.3750	€4.2405	€1.4669
Gortahile	Carlow	21.000 MW	€0.0000	€0.0000	€0.0000
Raheen Barr Wind	Castlebar	18.700 MW	€0.0000	€0.0000	n/a
Cappagh White*	Cauteen	16.100 MW	€16.9650	€0.2036	€0.0704

Dromada More*	Cloghboola	20.000 MW	€92.1375	€9.5057	€3.2882
Derryvacoreen*	Dunmanway	17.000 MW	€15.4067	€0.1849	€0.0640
Loughaun North (2)*	Ennis	24.000 MW	€147.3825	€1.7686	€0.6118
Taurbeg Wind	Glenlara	26.000 MW	€0.0000	€0.0000	n/a
Dromdeveen*	Glenlara	10.5 + 16.5 MW	€0.0000	€0.0000	€0.0000
Knockacummer*	Glenlara	87.000 MW	€0.0000	€0.0000	€0.0000
Carrowleagh*	Glenree	27.250 MW	€391.9575	€4.7035	€1.6271
Burren (Cork) (2)*	Hartnett's Cross	24.000 MW	€307.4008	€3.6888	€1.2761
Cark Wind	Letterkenny	15.000 MW	€258.4933	€3.1019	n/a
Culliagh Wind	Letterkenny	11.880 MW	€258.4933	€3.1019	n/a
Gartnaneane Wind	Meath Hill	15.000 MW	€2.0042	€0.0241	€0.0083
Rathcahill*	Rathkeale	12.500 MW	€549.3667	€6.5924	€2.2805
Grouse Lodge*	Rathkeale	15.000 MW	€549.3667	€6.5924	€2.2805
Sorne Hill Wind	Sorne Hill	38.900 MW	€258.4933	€3.1019	€1.0730
Ballincollig Hill	Tralee	15.000 MW	€624.0717	€7.4889	€2.5906
Muingnaminnane	Tralee	15.300 MW	€624.0717	€7.4889	€2.5906
Tursillagh	Tralee	15.000 MW	€624.0717	€7.4889	n/a
Knockawarriga	Trien	22.500 MW	€92.1375	€9.5057	€3.2882
Tournafulla (2)	Trien	17.200 MW	€92.1375	€9.5057	€3.2882
Beam Hill Wind	Trillick	14.000 MW	€258.4942	€3.1019	€1.0730
Moanmore Wind	Tullabrack	12.600 MW	€147.3767	€1.7685	n/a
Carnsore Wind	Wexford	11.900 MW	€54.5817	€0.6550	n/a
Richfield Wind**	Wexford	27.000 MW	€54.5817	€0.6550	€0.2266

Notes

* Generation expected to connect or energise an extension during the tariff period

** Partial firm access & partial non-firm access

*** Already decommissioned or partly decommissioned; expecting connection agreements to be terminated or modified

Schedule 1 provides “firm” TUoS tariffs for existing generators connected to the transmission system and generators connected to the distribution system which have contracted Maximum Export Capacities of 10MW or above. Schedule 1 also provides “firm” TUoS tariffs for new generators expected to connect to the transmission or distribution system with firm access in the 2010/2011 tariff period. If any new generators that connect to the system in the 2010/2011 tariff period are not listed above, tariffs for such generators will be published at a later date following approval by the CER.

Schedule 1 also contains “non-firm” TUoS tariffs which will apply to generators with non-firm access rights. These generators will be charged an energy based non-firm TUoS charge. The energy charge is derived from the network capacity charge also listed in Schedule 1. Generators with non-firm access include

- generators which are connected but do not have their Operational Certificate
- generators which are connected but have non-firm access until their associated deep reinforcements are built
- peaking plants subject to the CER Decision of the 17th October 2005 re non firm access for short term peaking plant subject to any amendments

SCHEDULE 2 – OTHER SYSTEM CHARGES

The following tables set out the charge rates and parameters for Other System Charges from the 1st October 2010. The regulatory-approved Pounds sterling equivalent values appear in the tables for information to reflect the harmonised arrangements. 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	€4,000
Fast Wind Down Charge Rate	€3,000
Slow Wind Down Charge Rate	€2,000
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	€40 / 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	€ 1.18 / MWh
Max Starts in 24 hour period	€0.60 / MWh
Minimum On time	€0.60 / MWh
Reactive Power Leading	€0.29 / MWh
Reactive Power Lagging	€0.29 / MWh
Governor Droop	€0.29 / 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	€0.59 / 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	€2.65 / MWh
Early Synchronous Tolerance	15 min
Early Synchronous Factor	60 min
Late Synchronisation	€26.47 / 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, i.e. energy which has been adjusted where applicable for distribution losses.

Table 1 below outlines the distribution loss factors¹¹ 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			
		110 or higher	38	MV	LV
2010/2011 Distribution Loss Adjustment Factors	Day	1.000	1.018	1.043	1.092
	Night	1.000	1.015	1.035	1.073

¹¹ 2010/2011 Distribution Loss Factors have been provided by CER (CER/10/119(1))