



## **Statement of Charges**

**Applicable from 1<sup>st</sup> October 2011**

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## DOCUMENT HISTORY

- 1) The 2011/2012 Statement of Charges version 1.0 was approved by the CER on 30/09/2011 and published on the EirGrid website [www.eirgrid.com](http://www.eirgrid.com) on 30/09/2011.

## **CORRESPONDENCE INFORMATION**

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

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## INTRODUCTION

This document sets out EirGrid's charges for use of the transmission system applicable from October 1<sup>st</sup> 2011 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 2011 revenue (CER/10/206) and the 2012 revenue (CER/11/167) 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.

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 2011/2012
- 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, 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.

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* from the date of the customer's connection.

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

#### DEMAND TUOS CHARGES

(a) Demand Network Capacity Charge:

**€ 734.3218/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:

**€ 707.6550/MWh** for *Metered Consumption Energy*<sup>2</sup> transferred in excess of the *Customer's Maximum Import Capacity* in the *Charging Period*.

(c) Demand Network Transfer Charge:

**€ 1.1966/MWh** for *Metered Consumption Energy* transferred in the *Charging Period*.

(d) Demand System Services Charge:

**€ 1.7035/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.

<sup>1</sup> Large Energy User (LEU) is defined later in Definitions and Interpretations.

<sup>2</sup> Metered Consumption Energy is defined later in Definitions and Interpretations. Electricity consumed by directly connected transmission users is not adjusted to take account of distribution losses.

## TARIFF SCHEDULE DTS-D1 (LEUs)

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

#### 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:  
**€ 615.2006/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:  
**€ 1.1966/MWh** for *Metered Consumption Energy*<sup>3</sup> transferred in the *Charging Period*.

- (c) Demand System Services Charge:  
**€ 1.7035/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.

<sup>3</sup> Metered Consumption Energy is defined later in Definitions and Interpretations.

### TARIFF SCHEDULE DTS-D1 (NON-LEUs)

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

#### CONDITIONS

**APPLICABLE TO:** *Demand Users* supplying a *Customer* indirectly connected to the *Transmission System* via the *Distribution System* at each *Exit Point* from the 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:  
**€ 1,061.4227/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:  
**€ 2.0646/MWh** for *Metered Consumption Energy*<sup>4</sup> transferred in the *Charging Period*.

- (c) Demand System Services Charge:  
**€ 2.9391/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.

<sup>4</sup> 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:  
€ 2.5237/MWh for all *Metered Consumption Energy*<sup>5</sup> transferred during *Day Hours* in the *Charging Period*.
- (b) Demand Network Transfer Charge:  
€ 1.1966/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) Demand System Services Charge:  
€ 1.7035/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.

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<sup>5</sup> 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:  
€ 4.3542/MWh for all *Metered Consumption Energy*<sup>6</sup> transferred during *Day Hours* in the *Charging Period*.
- (b) Demand Network Transfer Charge:  
€ 2.0646/MWh for *Metered Consumption Energy* transferred in the *Charging Period*.
- (c) Demand System Services Charge:  
€ 2.9391/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.

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<sup>6</sup> 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* 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](http://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](http://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](http://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:  
€ 734.3218/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:  
**€ 707.6550/MWh** for *Metered Consumption Energy*<sup>7</sup> transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.
- (g) Demand Network Transfer Charge:  
**€ 1.1966/MWh** for *Metered Consumption Energy* transferred in the *Charging Period*.
- (h) Demand System Services Charge:  
**€ 1.7035/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.

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<sup>7</sup> 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* of the *Maximum Export 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 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](http://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](http://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](http://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.

**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* 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](http://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](http://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](http://www.eirgrid.com)).

**DEMAND TUOS CHARGES**(e) Demand Network Capacity Charge:

**€ 734.3218/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:

**€ 707.6550/MWh** for *Metered Consumption Energy* transferred in excess of the *Maximum Import Capacity* in the *Charging Period*.

(g) Demand Network Transfer Charge:

**€ 1.1966/MWh** for *Metered Consumption Energy* transferred in the *Charging Period*.

(h) Demand System Services Charge:

**€ 1.7035/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* of *Maximum Export 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 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](http://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](http://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](http://www.eirgrid.com)).

#### 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 the Winter Peak Demand Reduction Scheme and 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:  
**€ 0.4153/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 2011/2012 (CER/11/165).

**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

2011/2012 Connection Offer Application Fees (excluding VAT)			
MIC & MEC Capacity Ranges	A	B	C
	Demand Capacity (MIC)	Generation Capacity (MEC)	Shallow Works (If required)
≤ 4 MW	€12,138	€13,880	€19,067
> 4 MW ≤ 20 MW	€20,987	€32,186	€33,584
> 20 MW ≤ 100 MW	€34,501	€46,229	€38,535
> 100 MW	€47,244	€49,513	€43,782
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 3<sup>8</sup>.

**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 <sup>9</sup>
$0 \leq 11\text{kW}$	€0	€0
$> 11\text{kW} \leq 50\text{kW}$	€743	€743
$> 50 \text{ kW} \leq 500\text{kW}$	€1,516	€1,516
$> 500\text{kW} \leq 4\text{MW}$	€8,608	€8,288
$> 4\text{MW} \leq 10\text{MW}$	€26,554	€22,254
$> 10\text{MW} \leq 30\text{MW}$	€51,434	€31,775
$> 30\text{MW} \leq 50\text{MW}$	€59,937	€35,623
$> 50\text{MW} \leq 100\text{MW}$	€71,883	€38,410
$> 100\text{MW}$	€84,140	€41,744

#### 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.

<sup>8</sup> Reference CER/09/191 and CER/08/260

<sup>9</sup> 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 24<sup>th</sup> 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, 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.

**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*.

**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.

**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 1<sup>st</sup> 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 (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
<b>ROI Transmission Connected Non-Wind</b>				
Aghada 220kV (including Longpoint)	AD1, AT1, AT2, AT4, AD2	959.00	€427.6959	€5.1324
Ardnacrusha	AA1, AA2, AA3, AA4	86.00	€418.8000	€5.0256
Aughinish (Seal Rock)	SK3, SK4	130.00	€445.6000	€5.3472
Dublin Bay Power (Irishtown)	DB1	415.00	€388.6917	€4.6643
Edenderry Power (Cushaling)	ED1	121.50	€395.2500	€4.7430
Edenderry Peaker (Cushaling)	ED3, ED5	116.00	€395.2333	€4.7428
Erne (Cathleen's Fall)	ER3, ER4	45.00	€390.1000	€4.6812
Erne (Cliff)	ER1, ER2	20.00	€390.1000	€4.6812
Whitegate CCGT (Glanagow)	WG1	445.00	€427.9250	€5.1351
Great Island 110kV	GI1, GI2	108.00	€329.8417	€3.9581
Great Island 220kV	GI3	108.00	€352.4917	€4.2299
Huntstown 1	HNC	352.00	€394.0083	€4.7281
Huntstown 2	HN2	412.00	€396.8333	€4.7620
Lough Ree Power (Lanesboro)	LR4	94.00	€384.1333	€4.6096
Lee (Carrigadrohid)	LE3	8.00	€444.3500	€5.3322
Lee (Inniscarra)	LE1, LE2	19.00	€440.5583	€5.2867
Liffey (Pollaphuca)	LI1, LI2, LI4	34.00	€339.6417	€4.0757
Marina	MR1, MRT	112.00	€400.8583	€4.8103
Moneypoint	MP1, MP2, MP3	862.50	€464.5333	€5.5744
Northwall 38kV	NW1, NW2, NW3	45.00	€393.9917	€4.7279
Northwall 220kV	NW4, NW5	227.00	€390.8083	€4.6897
Poolbeg (Shellybanks)	PB4	150.00	€389.5917	€4.6751
Poolbeg (Shellybanks)	PB5, PB6	310.00	€389.4333	€4.6732
Rhode (Derryiron)	RH1, RH2	103.60	€426.0167	€5.1122
Tarbert 110kV	TB1, TB2	108.00	€446.6417	€5.3597
Tarbert 220kV	TB3, TB4	481.40	€446.6417	€5.3597
Tawnaghmore Peaker	TP1, TP3	104.00	€365.3333	€4.3840
Turlough Hill	TH1, TH2, TH3, TH4	292.00	€404.0333	€4.8484

Station	Units	Contracted Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Tynagh	TYC	404.00	€420.3750	€5.0445
West Offaly Power (Shannonbridge)	WO4	141.00	€383.0750	€4.5969
<b>ROI Transmission Connected Wind</b>				
Athea		38.00	€504.7977	€6.0576
Ballywater		42.00	€357.7056	€4.2925
Boggeragh		57.00	€469.6066	€5.6353
Booltiagh (19.45 + 12.0 MW)		31.45	€433.9327	€5.2072
Castledockrill		41.40	€359.2101	€4.3105
Clahane		37.80	€516.4000	€6.1968
Coomacheo (@ Garrow)		59.225	€519.8706	€6.2384
Coomagearlaghy		81.00	€512.1770	€6.1461
Kingsmountain (@ Cunghill)		34.80	€357.3341	€4.2880
Derrybrien		59.50	€393.1342	€4.7176
Dromada		28.50	€504.7981	€6.0576
Glanlee		29.80	€512.1766	€6.1461
Golagh		15.00	€476.2205	€5.7146
Garvagh		58.225	€353.3740	€4.2405
Lisheen		55.00	€391.5051	€4.6981
Meentycat		84.96	€510.6704	€6.1280
Mulreavy		82.00	€390.0982	€4.6812
Bindoo @ Rathrussan		48.00	€331.5912	€3.9791
Mountain Lodge (@ Rathrussan)		30.62	€331.5912	€3.9791
<b>ROI Distribution Connected Generators</b>				
	<b>Connected at</b>			
Arklow Wind	Arklow	25.20	€372.0086	€4.4641
Ballycadden (1)	Lodgewood	14.45	€359.2101	€4.3105
Ballycadden (2)	Lodgewood	11.50	€359.2101	€4.3105
Gibbeet Hill	Lodgewood	14.80	€359.2101	€4.3105
Glanta Commons Wind	Ballylickey	27.95	€369.4136	€4.4330
Corkermore Wind	Binbane	15.00	€426.1656	€5.1140
Meenachullalan	Binbane	11.90	€426.1656	€5.1140
Carrigannon	Boggeragh	20.00	€469.6066	€5.6353

<b>Station</b>	<b>Units</b>	<b>Contracted Maximum Export Capacity (MW)</b>	<b>Network Capacity Charge Rate €/MW/month</b>	<b>Equivalent €/kW/year</b>
Killavoy	Boggeragh	18.00	€469.6066	€5.6353
Gortahile	Carlow	21.00	€339.6361	€4.0756
Raheen Barr Wind	Castlebar	18.70	€377.8037	€4.5336
Cappagh White	Cauteen	16.10	€409.6212	€4.9155
Garracummer	Cauteen	36.90	€409.6212	€4.9155
Glenough	Cauteen	33.00	€409.6212	€4.9155
Meath Waste Energy	Drybridge	17.00	€347.6741	€4.1721
Caherdowney	Garrow	10.00	€519.8706	€6.2384
Taurbeg Wind	Glenlara	26.00	€425.8340	€5.1100
Dromdeveen	Glenlara	27.00	€425.8340	€5.1100
Carrowleagh	Glenree	34.15	€362.6409	€4.3517
Bawnmore	Macroon	24.00	€445.5334	€5.3464
Cark Wind	Letterkenny	15.00	€529.6106	€6.3553
Culliaigh Wind	Letterkenny	11.88	€529.6106	€6.3553
Gartnaneane Wind	Meath Hill	15.00	€409.2441	€4.9109
Knockacummer	Knockacummer	87.00	€425.8396	€5.1101
Rathcahill	Rathkeale	12.50	€444.3151	€5.3318
Grouse Lodge	Rathkeale	15.00	€444.3151	€5.3318
Muingnatee	Reamore	15.30	€498.5030	€5.9820
Sorne Hill Wind	Sorne Hill	38.90	€529.6106	€6.3553
Lee Strand Co-op	Tralee	15.00	€498.5030	€5.9820
Tursillagh	Tralee	15.00	€498.5030	€5.9820
Muingnaminnane	Tralee	15.30	€498.5030	€5.9820
Knockawarriga	Trien	22.50	€528.8673	€6.3464
Tournafulla (2)	Trien	17.20	€528.8673	€6.3464
Beam Hill Wind	Trillick	14.00	€529.6106	€6.3553
Moanmore Wind	Tullabrack	12.60	€460.4579	€5.5255
Carnsore Wind	Wexford	11.90	€347.2698	€4.1672
Richfield Wind	Wexford	27.00	€347.2698	€4.1672

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 10MW or above. Schedule 1 also provides TUoS tariffs for new generators expected to connect to the transmission or distribution system in the 2011/2012 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 1<sup>st</sup> October 2011. The charge rates and parameters should be considered along with the Other System Charges Methodology Statement<sup>10</sup>.

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

<b>Trip</b>	
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
<b>Short Notice Declarations</b>	
SND Time Minimum	5 min
SND Time Medium	20 min
SND Time Zero	480 min
SND Powering Factor	-0.3
SND Charge Rate	€70 / MW
SND Threshold	15 MW
Time Window for Chargeable SNDs	60 min

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<http://www.eirgrid.com/media/2011%202012%20Other%20System%20Charges%20Methodology%20Statement.pdf>

Table B – Generator Performance Incentive Charge Parameters &amp; Rates

<b>Generator Performance Incentive Charge Parameters &amp; Rates</b>	
<b>Half Hour Trading Period Charges</b>	
Minimum Generation	€ 1.18 / MWh
Max Starts in 24 hour period	€1.00 / MWh
Minimum On Time	€1.00 / 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
<b>Event Based Charges</b>	
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, 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<sup>11</sup> 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.

<b>Table 1: Distribution Loss Factors</b>					
	Time	Voltage level at which the user is connected			
		110kV or higher	38	MV	LV
<b>2011/2012 Distribution Loss Adjustment Factors</b>	Day	1.000	1.018	1.040	1.089
	Night	1.000	1.014	1.032	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.

<b>Table 2: Tariffs for Large Energy Users on Schedules DTS-D1 &amp; DTS -D2 with Distribution Loss Factors applied</b>				
	Time	Voltage level at which the user is connected		
		110kV or higher	38kV	MV
<b>2011/2012 Distribution Loss Adjustment Factors</b>	Day	1.000	1.018	1.040
	Night	1.000	1.014	1.032
<b>Network Transfer Charge (€/MWh)</b>	Day	1.1966	1.2181	1.2445
	Night	1.1966	1.2134	1.2349
<b>System Services Charge (€/MWh)</b>	Day	1.7035	1.7342	1.7716
	Night	1.7035	1.7273	1.7580
<b>Network Capacity Charge (€/MWh)*</b>	Day	2.5237	2.5691	2.6246
<b>Demand Side Management Charge (€/MWh)</b>	Day	0.4153	0.4228	0.4319

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

<sup>11</sup> 2011/2012 Distribution Loss Factors have been provided by CER (CER/11/126)

<b>Table 3: Tariffs for non Large Energy Users on Schedules DTS - D1 &amp; DTS - D2 with Distribution Loss Factors applied</b>		
		<b>Voltage level at which the user is connected</b>
	<b>Time</b>	<b>LV</b>
<b>2011/2012 Distribution Loss Adjustment Factors</b>	Day	1.089
	Night	1.072
<b>Network Transfer Charge (€/MWh)</b>	Day	2.2483
	Night	2.2133
<b>System Services Charge (€/MWh)</b>	Day	3.2007
	Night	3.1507
<b>Network Capacity Charge (€/MWh)*</b>	Day	4.7417
<b>Demand Side Management Charge (€/MWh)</b>	Day	0.4523

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