



# **Winter Peak Demand Reduction Scheme (WPDRS)**

**Rules**

Season 2009/10

## ***INTRODUCTION***

This document sets out the **Rules** for the seventh season of the **Winter Peak Demand Reduction Scheme (WPDRS 2009/10)**, as it applies to **Customers** with **Interval Metering** (quarter hourly metering).

It has been designed to incentivise **Customers** to reduce load in a **Delivery Period** between 17.00-19.00 on **WPDRS Business Days** between Monday 2<sup>nd</sup> November 2009 and Friday 26<sup>th</sup> February 2010 inclusive.

The **Rules** for the **WPDRS** 2009/2010 have been developed from the **Scheme** that ran during the previous six winter seasons. The **Rules** of the **Scheme** have been updated to reflect changes to way the **Scheme** operates.

A separate scheme operated by ESB Customer Supply, known as the Winter Demand Reduction Incentive has a similar aim to WPDRS and operates at a similar time of year. In the future it may be desirable to have a single scheme, but currently customers are not allowed to participate in both schemes concurrently.

**WPDRS Customers** may only register in the **Single Electricity Market** as a **Demand Side Unit** or an **Aggregated Demand Site** and **WPDRS Customers** must set their availability to zero between 17:00 and 19:00 on **WPDRS Business Days**.

## ***RULES OF SCHEME***

### ***ELIGIBILITY***

**Customers** who wish to participate in the **Scheme** must have the ability to reduce their metered consumption, and / or increase their metered exports between 17:00 and 19:00 on **WPDRS Business Days** for all or part of the duration of the **Scheme**. For example, this can be achieved by switching plant off at this time or through the use of on-site generation.

The **Scheme** will run from 2<sup>nd</sup> November 2008 to 26<sup>th</sup> February 2010 inclusive.

The **Scheme** will be open to **Customers** who participated in last years **Scheme** and **Customers** with a Maximum Import Capacity greater than or equal to 250 kVA, The rules for inclusion in the **Scheme** require each **Customer** to have appropriate **Interval Metering**, with historic meter data available from start August 2009.

EirGrid is not responsible for ensuring the availability of the necessary historic data required to determine the **Capacity Baselines** and the **Benchmark Energy**. The Distribution System Operator (**DSO**), the Meter Registration System Operator (**MRSO**) and ESB Customer Supply (**ESB CS**), as appropriate, will be responsible for providing this data to EirGrid.

**Customers** who do not currently have **Interval Metering** in place, but will have such metering installed during the period that the **Scheme** operates will also be considered for the **Scheme**.

The base unit for inclusion in the **Scheme** is a single site, provided that the meters on that site relate to one **Customer** and are registered to one **Supplier**, and that metering is available for all the relevant meters.

**Customers** who participate in the Winter Demand Reduction Incentive (**WDRI**) run by **ESB CS** will not be eligible to participate in **WPDRS**.

**Customers** who are registered as participants in the **Single Electricity Market** may not participate in **WPDRS**, with the exception of **Customers** registered as a **Demand Side Unit** or an **Aggregated Demand Site**.

### ***QUALIFICATION***

**Customers** interested in participating in the **Scheme** should contact their **Supplier** for an application form that they should complete and return electronically to their **Supplier and EirGrid** before 23<sup>rd</sup> October 2009. The hard copy of the application form should be returned directly to EirGrid before 23<sup>rd</sup> October 2009.

In their application, **Customers** will be required to indicate the level of electricity demand they will consume (in MW) during the **Delivery Period**. This is the **Committed Level**. In addition, entries on the application form may only include one start date and one end date. **Customers** may control their participation in the **Scheme** by submitting **Committed Level** variation forms.

It is the customers responsibility to ensure that all details of the application form are correct and valid.

### ***RESERVATION OF RIGHT NOT TO PROCEED WITH APPLICATION***

The Commission for Energy Regulation (CER) reserves the right not to proceed with any application.

## **DESIGNATED CUSTOMERS**

If a **Customer** is successful in their application they will be deemed to be a “**Designated Customer**”.

**Designated Customers** or 3<sup>rd</sup> parties operating on the **Customer’s** behalf must not be registered as participants in the Single Electricity Market unless registered as a **Demand Side Unit** or an **Aggregated Demand Site**. **Customers** registered as a **Demand Side Unit** or an **Aggregated Demand Site** must set their availability to zero on **WPDRS Business Days** between the hours of 17:00 and 19:00 for the term to which the **Designated Customer** has agreed to participate in **WPDRS**. Furthermore, the penalties for participation in the **Single Electricity Market** and receiving payments, on any **WPDRS Business Day** between 17:00 and 19:00 shall increase in severity upon each instance;

- i) For one occurrence of participating in both **WPDRS** and **SEM**, the **Customer** will lose the **Reliability Payments** and **Profile Payments** for the week in which the non-zero availability occurs,
- ii) a **Customer** will receive zero payments in the month in which the second instance occurs,
- iii) a **Customer** will be removed from the **Scheme** upon the third instance, following **CER** approval.

Any **Designated Customer** who wishes to participate in the Single Electricity Market must notify EirGrid of their intentions to register as a market participant through their **Supplier**, in order to allow monitoring. Furthermore, the **Supplier** of a **Designated Customer** who forms part of an Aggregated Demand Site, must provide a breakdown of the **Designated Customer’s** market availabilities between 17:00 and 19:00 on **WPDRS Business Days**.

## **DELIVERABLES AND PAYMENTS**

### **Designated Customer**

A **Designated Customer** will commit to reducing their electrical demand between 17:00 and 19:00 on **WPDRS Business Days** in the period 2<sup>nd</sup> November 2009 to 26<sup>th</sup> February 2010, to, or below, their **Committed Level** as indicated in their application form or their **Committed Level Variation Form** as appropriate.

Payment for this deliverable will be based on the price published in the “**Published Price** for the WPDRS - 2009/10”, document published by EirGrid and CER.

## **COMMITTED LEVEL VARIATION**

**Designated Customers** are entitled to choose a different **Committed Level** for each **WPDRS Business Day**. This **Committed Level** variation must be notified to EirGrid by the **Customer**, through their **Supplier** using a **Committed Level Variation Form**.

**Customers** may submit **Committed Level Variations Forms** for multiple **WPDRS Business Days**.

For a variation to **Committed Level** to be accepted for a **WPDRS Business Day**, the **Committed Level Variation Form** must be received by EirGrid no later than 12:00 on the **WPDRS Business Day** in question. All **Committed Level Variation Forms** submitted before this time and date will be accepted.

For the avoidance of doubt, if multiple **Committed Level Variation Forms (CLV)** are received by EirGrid, the only valid CLV will be the last one received from the Customer in respect of any given WPDRS business day.

All **Committed Level Variation Forms** are to be received by EirGrid.

## **ROLE OF SUPPLIERS**

**Suppliers** will be responsible for:

- coordination of applications from their **Customers**;
- ensuring that correctly completed applications are received by EirGrid;
- ensuring that correctly completed **Committed Level Variation Forms** are received by EirGrid within the time specified in the **Rules**;
- assisting EirGrid in the administration of the **Scheme**;
- making payments to their **Designated Customers**;
- ensuring that their **Designated Customers** who participate in **WPDRS** do not participate in **WDRI** also;
- notifying EirGrid of any **Customer**, who registers in the Single Electricity Market as a Demand Side Unit;
- providing a breakdown of the market availabilities between 17:00 and 19:00 on **WPDRS Business Days** for **Customers** who form part of an Aggregated Demand Site, within 10 **WPDRS Business days** .
- providing participant detail statements promptly to **Customers** outlining their performance in **WPDRS**.

Any dispute raised by a **Customer** will be dealt with through their **Supplier**.

For the avoidance of doubt, the **Supplier** shall be responsible contractually to the **Designated Customer** for all payments due to the **Customer** under the **Scheme**.

Payment to **Suppliers** for this deliverable will be based on the total level of load reduction provided by their **Designated Customers**. **Suppliers** will receive a sum equal to 5% of the amount payable to their **Designated Customers** for completion of all of the above outlined responsibilities.

## **TERMS & SETTLEMENT**

### ***Designated Customers***

**Designated Customers** will receive payment for the load reduction provided in accordance with the agreement they have with their **Suppliers**.

### ***Suppliers***

**Suppliers** will receive notification of the amount owing to them (their fee as well as payments due to their **Designated Customers**) within either 25 **WPDRS Business Days** of the end of the month in which the load reduction took place, or if there is a delay in data being provided to EirGrid, within 15 **WPDRS Business Days** following receipt of a complete data set for that **Supplier** from the **DSO**, and/or **MRSO** as appropriate.

The **Supplier** will be requested to send an invoice to EirGrid for this amount. Payment will be made by EirGrid within 10 **WPDRS Business Days** of the receipt of this invoice. This payment may be reconciled at a later date in the event that updated data becomes available.

Should the **Supplier** wish to dispute the amounts owing to them, they must raise the dispute with EirGrid within 3 months of receiving notification of the amount owing to them. For resolution of disputes, the Dispute Mechanism outlined below shall be used.

Should updated data be received from **DSO**, the **Suppliers** or **MRSO** after monthly settlement has been completed, a reconciliation process will be undertaken by EirGrid. Full and final reconciliation will be completed quarterly by EirGrid.

EirGrid is not responsible for ensuring payments are made to **Designated Customers**. This is a matter between **Designated Customers** and their **Suppliers**. No liability shall attach to EirGrid in the event that the **Supplier** fails to make the correct payment to the **Customer**.

Should a **Designated Customer** switch **Supplier** during one of the four delivery months, all payments due in respect of the service they provided under the **Scheme** for the month will be paid to the **Supplier** with which they are registered at the end of that month.

### ***ROLE OF EIRGRID***

EirGrid will be responsible for:

- calculation of **Customers' Capacity Baseline Levels** and **Benchmark Energy** based on data provided to EirGrid by **DSO, MRSO** and **ESB CS**;
- selection of **Designated Customers** (subject to approval by **CER**);
- monitoring load reductions provided on a **Designated Customer** by **Designated Customer** basis;
- calculation of payments due to **Designated Customers**;
- calculation of payments due to **Suppliers**;
- making payments to **Suppliers**;
- accepting and confirming **Committed Level** variations to the **Designated Customer's Supplier**;
- overseeing compliance by **Suppliers** and **Designated Customers** with **Scheme** and the **Rules**
- Will advise **CER, Supplier** and **Customer** if a **Customer** is being removed from the **WPDRS**.

### ***ACCURACY OF METERING DATA***

It is the responsibility of the **Designated Customer** to check their metering code in relation to the provision of accuracy of metering data. In particular, any possible drift in the timings of meters will not be considered as a legitimate reason for breach of **Committed Level**. As this drift may affect timely reductions especially at the boundary periods of 17:00 and 19:00, it is the **Customer's** responsibility to ensure adequate measures are in place to counteract any mismatch of timings as a result of this drift.

### ***PAYMENTS***

Information on the payment calculation process is contained in Annex B – "Payment Calculation" of this document.

The **Published Price** will be published in conjunction with the draft determination of the retail tariffs in the "Published Price for **WPDRS 2009/10**" document. This document will be available on the CER and EirGrid website, and will include the **Reliability Payment Rate**, the **Profile Payment Rate** and the **Reliability Charge Rate**.

## ***DURATION***

This scheme is run on an annual basis or until such time as CER decides otherwise. The application process will recommence each year to allow new **Customers** to take part, to incorporate improvements identified, and to allow previous **Designated Customers** to submit new **Committed Levels**.

**Customers** eligible to participate in the **WDRI** will be required to choose to participate in either the **WPDRS** or the **WDRI**.

## ***TREATMENT OF EXPORTS***

**Customers** who have the facility to export load from their site, and have the appropriate licenses to export and the relevant requirements necessary to trade electricity in the market shall be termed **Exporters** for the purposes of this scheme. **Exporters** will be able to avail of payments through this **Scheme** should they be in the position to increase their exported load. This will be subject to the availability of appropriate historic meter data to calculate their **Baseline** and **Benchmark Energy**. Payment rates and terms will be identical for exported load as for measured load reductions from **Designated Customers**.

## ***TERMINATION***

The CER reserves the right to terminate a **Designated Customer's** participation in the **Scheme** if

- i. they become bankrupt,
- ii. are no longer capable of providing the service under the **Scheme**; or
- iii. for any other reason that reasonably seeks to ensure that the **Scheme** operates in an equitable and efficient manner.
- iv. they participate in the SEM during 17:00 and 19:00 as a DSU/AGU on **WPDRS Business Days**.

## ***COMPLIANCE***

EirGrid will use metered energy to monitor levels of load reduction achieved by each **Designated Customer**. EirGrid will then calculate the level of payments that each **Designated Customer** should receive under the **Scheme**.

## ***VARIATIONS TO THE SCHEME***

EirGrid will monitor the **Scheme** and may as a result propose amendments and/or variations to the rules during the **Scheme**. **These amendments and/or variations will be proposed** to CER for their approval.

## ***GOVERNING LAW AND JURISDICTION***

These **Rules** shall be interpreted, construed and governed by the laws of the Republic of Ireland.

## ***DISPUTE RESOLUTION***

Any Party may notify another Party following the discovery of any item or event which the notifying Party acting in good faith considers to be a dispute under the **Scheme**. This includes but is not limited to disputes relating to baseline, payments etc. This notification must be made by a registered posted letter addressed to the Manager, Ancillary Services, EirGrid, with address at The Oval, 160 Shelbourne Road, Dublin 4.

Within fifteen (15) **WPDRS Business Days** of this notice, the notifying Party may, if considered appropriate and by further notice to the other Party, appoint a senior company official with expertise in the area of dispute to represent it and within fifteen (15) **WPDRS Business Days** of appointment, to meet the other Party's representative to attempt in good faith to satisfactorily resolve the dispute.

If the dispute is not resolved within thirty (30) **WPDRS Business Days** of the meeting referred to above, then either Party may refer the matter to the **CER** for resolution.

Each Party further agrees that a finding or conclusion of the **CER** in accordance with the Dispute Resolution Procedure shall be conclusive and binding upon all the Parties.



## **Annexes**

Annex A	Defined Terms
Annex B	Payment Calculation procedure
Annex C	Capacity Baseline Level and Energy Benchmark Ratio Calculation Methodology
Annex D	List of WPDRS Business Days for WPDRS 2009/10
Annex E	Outline of "Published Price for WPDRS 2009/10" Document

## Annex A Defined Terms

“**Baseline**”: See **Capacity Baseline Level**;

“**Benchmark**”: See **Benchmark Energy**;

“**Benchmark Energy**” is calculated on each **WPDRS Business Day** for the duration of the **Scheme** on a daily basis as described in Annex C:

“**Business Day**” see **WPDRS Business Day**;

“**CER**” means the Commission for Energy Regulation;

“**Capacity Baseline Level**” is the value defined by EirGrid based on information provided by **MRSO** and **ESB CS** and notified to **Suppliers** in respect of a **Customer** designated the “**Capacity Baseline Level**” for that **Customer**. Also referred to as the “**Baseline**” as calculated in Annex C;

“**Committed Level**” means the level of demand that the **Customer** commits not to exceed during the **Delivery Period**;

“**Committed Level Variation Form**” is the form available from EirGrid which must be used by Customers who wish to notify EirGrid through their **Supplier** of a change to their **Committed Level**;

“**Customer**” means an end user of electricity, supplied by a licensed **Supplier**;

“**Delivery Period**” means the period between 17:00 – 19:00 on **WPDRS Business Days** between 2nd November 2009 and 26<sup>th</sup> February 2010 inclusive. The period in which “**Designated Customers**” will be required to reduce their load or increase exports;

“**Designated Customer**” means a **Customer** whose application to participate in the **Scheme** has been accepted. Such a **Customer** will be deemed to be designated under the **Scheme** by EirGrid;

“**DSO**” means the Distribution System Operator;

“**ESB CS**” means ESB Customer Supply;

“**Exporter**” means a **Customer** who have the facility to export load from their site, and have the appropriate licenses to export will be able to avail of payments through this **Scheme** should they be in a position to increase their exported load;

“**Interval Meter**” a quarter-hourly revenue standard meter;

“**Market**” see **SEM**;

“**MRSO**” means Meter Registration System Operator;

“**Profile Payment**” means the payment due to a **Designated Customer** for a change in their energy profile over the **Delivery Period**;

“**Profile Payment Rate**” means the rate for the Profile Payment which will be defined in the “Published Price for **WPDRS 2009/10**” to be published in early October 2009;

“**Published Price**” means the price that will be paid for the WPDRS in 2009/10 and will be published by the **CER** in the “Published Price for **WPDRS 2009/10**”;

“**Reliability Charge**” means a charge that is paid by a **Designated Customer** if they breach their **Committed Level** during the **Delivery Period**;

**“Reliability Charge Rate”** means the rate for the **Reliability Charge** which will be defined in the “Published Price for **WPDRS 2009/10**” which will be published by **CER** in early October 2009;

**“Reliability Payment”** means the payment due to a **“Designated Customer”** for reliable delivery of the **“Committed Quantity”** for the duration of the **“Delivery Period”**;

**“Reliability Payment Rate”** means the rate for the **Reliability Payment** which will be defined in the “Published Price for **WPDRS 2009/10**” which will be published by **CER**;

**“Rules”** means the **Rules** of the **WPDRS**, contained in this document;

**“SEM”** means the Single Electricity Market;

**“Scheme”** means the **“Winter Peak Demand Reduction Scheme”**;

**“Supplier”** means a licensed **Supplier** of electricity;

**“Total Reliability Payment”** means the total of the daily **Reliability Payments** less the total of the **Reliability Charges**, to an Interval Metered **Designated Customer** in a given month;

**“Total Payments”** means the sum of (**Reliability Payments** + **Profile Payments**) payable to the **Designated Customers** each month;

**“Trading Period”** means a period of thirty minutes duration ending on each hour or at half-past the hour;

**“Winter Peak Demand Reduction Scheme”** means the **Scheme** described in this document, developed by EirGrid and approved by CER, designed to encourage **Customers** to reduce their consumption, or increase exports between 17:00 and 19:00 on **WPDRS Business Days** between 2nd November 2009 and 26<sup>th</sup> February 2010.

**“WPDRS”** means the **Winter Peak Demand Reduction Scheme**;

**“WPDRS Business Day”** means any day other than a Saturday, Sunday, a public holiday in the Republic of Ireland, or those days during the Christmas period with historically low demand. For the avoidance of doubt, a complete list of days deemed to be **WPDRS Business Days** for the purposes of **WPDRS** in 2009/2010 Season is given in Annex D;

## Annex B Payment Calculation Procedure

### INTRODUCTION

Payments under the **WPDRS** will be in two parts;

- a **Reliability Payment** per day for reliable delivery; and
- a **Profile Payment** for every unit of demand reduction delivered.

A charge has been designed which will be implemented should a **Designated Customer** fail to provide the **Committed Level** of demand reduction.

The **Scheme** requires an estimate of what each **Customer's** consumption would have been over the **Delivery Period** had the **Customer** not participated in the **Scheme**.

The estimate of **Customers'** consumption without demand response will be expressed in terms of a **Capacity Baseline Level (Baseline)** for the **Reliability Payment**; and the **Benchmark Energy (Benchmark)** for the **Profile Payment**. Refer to Annex C for details on how these are calculated.

The **Baseline** and the **Benchmark Energy** will be allocated to the **Customer** by EirGrid, and the **Customer** will be required to indicate the level of load reduction that they will be able to provide by assessing the level of demand that is capable of being switched off or replaced by on-site generation during the **Delivery Period**.

### RELIABILITY PAYMENTS

The **Baseline** will be based on the expected demand in MW for each month (November, December, January and February) over the winter period. This figure will be re-defined monthly for each **Customer** and will be sent by EirGrid to the customer one week in advance of the start of each month over the winter period.,

Customers will receive an indicative baseline in October 2009, which will be subject to change before WPDRS commences in November 2009. The baseline for November will be issued one week in advance of November 2009.

**Designated Customers** will commit to a reduced demand level (the **Committed Level**) during the **Delivery Period**. **Reliability Payments** will be based on the difference (in MW) between the **Committed Level** and the **Baseline**. For each **Trading Period** during the **Delivery Period** if a **Customer's** demand remains below the **Committed Level** allowing for a tolerance of 2% of the **difference between baseline and committed level**, the participant will earn a **Reliability Payment** in that **Trading Period**.

**Reliability Payment (per Trading Period) = (Baseline – Committed Level) \* Reliability Payment Rate**  
\* 0.5 hours

### BREACH OF COMMITTED LEVEL: RELIABILITY CHARGE

For each **Trading Period** during the **Delivery Period** in which a **Designated Customer's** demand expressed in MW, exceeds the **Committed Level** allowing for a tolerance of 2% of the **difference between the baseline and committed level**, a **Reliability Payment** will not be paid.

In addition, for any **Trading Period** during the **Delivery Period** in which the **Committed Level** is breached, a **Reliability Charge** will be applied, linked to the amount in MWh by which the **Committed Level** is breached. The **Reliability Charge Rate**, per MWh of breach, will be 3.5 times the **Reliability Payment Rate**.

The **Total Reliability Payment** to a **Designated Customer** in a given month will be the total of the daily **Reliability Payments** less the total of the daily **Reliability Charges** for that month.

A **Reliability Charge** cannot be levied on a **WPDRS Business Day** if a **Customer's Committed Level is set equal to its baseline** on that **WPDRS Business Day**.

### **PROFILE PAYMENT**

The **Benchmark Energy** (the **Benchmark**) reflects energy consumption measured in MWh within the **Delivery Period**.

The daily **Profile Payment** is calculated as follows:

1. Calculate the daily **Benchmark Energy**

**Benchmark Energy** = the energy consumption before and after the peak period interpolated to produce the peak period estimate of average half-hour consumption between 17:00 and 19:00 (derived using a cubic spline smoothing function).

2. Calculate the **Profile Payment**

Note: **Profile Payments** are only made in respect to **Trading Periods** during the **Delivery Period**  
**Profile Payment (per Trading Period) = (Benchmark Energy (MWh) – consumption in Trading Period in MWh) \* Profile Payment Rate**

The **Profile Payment** is calculated for each of the four **Trading Periods** between 17:00 and 19:00 and the results are summed to give the total **Profile Payment** for the day.

A **Profile Payment** cannot be earned on a **WPDRS Business Day** if a **Customer's Committed Level is set equal to its baseline** on a given **WPDRS Business Day**.

The **Profile Payment** cannot be negative in any trading period within the **Scheme**.

### **PROTECTION OF THE PROFILE PAYMENT FROM THE RELIABILITY CHARGE.**

In general, only the **Reliability Payments** will be subject to the **Reliability Charge**. However, where a **Designated Customer** fails to meet the standard required to earn a **Profile Payment** and avoid a **Reliability Charge** under the terms of the **Scheme** outlined in the **Rules** on five or more days in a calendar month, the **Profile Payment** will become exposed to the **Reliability Charge**. (see "**Total Payment**" section below for further detail).

### **TOTAL PAYMENT**

**Profile Payment Protected: - Designated Customer meets required minimum standard of behaviour**

If the Customer succeeds in meeting the standard required to earn a **Profile Payment** and avoid a **Reliability Charge** under the terms of the **Scheme** outlined in the **Rules** on a sufficient number of days in a calendar month, then the Total Payment for that month shall be:

**Total Payment = Total Reliability Payment + Total Profile Payment.**

where the **Total Reliability Payment** can never be less than zero. (If the sum of the daily **Reliability Charges** exceeds the sum of the daily **Reliability Payments**, the **Total Reliability Payment** will be set to zero). Therefore if the Customer succeeds in meeting the standard required irrespective of the level of **Reliability Charges**, the **Customer** will receive all of the **Profile Payment** for that month.

**Profile Payment Not Protected:** - **Designated Customer** does not meet required minimum standard of behaviour

If a **Designated Customer** has failed to meet the standard required to earn a **Profile Payment** and avoid a **Rebate** under the terms of the **Scheme** outlined in the **Rules** on five or more days in a Calendar month, then the Total Payment for the month shall be:

Total Payment = Total **Reliability Payment** + Total **Profile Payment**.

where the Total **Reliability Payment** can be less than zero. Therefore, if the sum of the daily **Reliability Charges** are greater than the total monthly **Reliability Payments**, the **Customer** will lose some or all of the **Profile Payment** for that month.

If the **Total Payment** is less than zero for a month, the **Customer's Total Payment** will be set to zero for the month.

#### **FURTHER DETAILS**

For further details relating to the calculation of **Baseline** and **Benchmark Energy**, please see Annex C - **Capacity Baseline Level** and **Benchmark Energy** calculation Methodology

## Annex C Capacity Baseline Level and Benchmark Energy Calculation Methodology

This Annex sets out the process by which **Baseline Capacity Levels** and **Benchmark Energy** will be calculated for use in the **WPDRS** for 2<sup>nd</sup> November 2009 – 26<sup>th</sup> February 2010.

### **INTRODUCTION**

The scheme requires two measures of historic consumption by **Designated Customers**:

- A **Baseline** (MW)

AND

- **Benchmark Energy** = the energy consumption before and after the peak period interpolated to produce the peak period estimate of average half-hour consumption between 17:00 and 19:00 (derived using a cubic spline smoothing function).

This methodology of calculation of the **Baseline** and **Benchmark Energy** is outlined in the process below.

### Process

#### *Stage 1: Calculation of **Baselines***

The baseline for a given month will be calculated using the previous two months interval metering data **and the benchmark energy data where appropriate**.

A fixed baseline will be calculated monthly and sent to the Customer one week in advance of the start of the month. This baseline will be recalculated monthly using the most up to date available information.

The baseline will be calculated for each month using the 80<sup>th</sup> percentile of half-hourly demand (converted to average MW levels) for peak half-hours (17.00-19.00). The previous two months interval metering data **and the benchmark energy data where appropriate** for **WPDRS Business Days will be used in the calculation**.

#### *Stage 2: **Benchmark Energy***

For each **Customer**, for winter **WPDRS Business Days**, the estimated consumption in the peak **Delivery Period** (17.00-19.00) will be interpolated relative to the demand in the non peak hours.

**Note:** Those **Customers** for whom there is less than two months data available will not be eligible for participation in the WPDRS scheme.

**3. Annex D: List of WPDRS Business Days for WPDRS 2010/09**

*2<sup>nd</sup> November 2009 – 26<sup>th</sup> February 2010.*

(Shaded days are “WPDRS Business Days”)

<b>NOVEMBER 2009</b>						
<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

<b>DECEMBER 2009</b>						
<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

<b>JANUARY 2010</b>						
<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

<b>FEBRUARY 2010</b>						
<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						



## **Annex E Outline of “Published Price for WPDRS 2009/10” Document**

### **WPDRS 2009/10 Published Price**

This document contains the details of the rates for the Winter Peak Demand Reduction Scheme, and constitutes the document referred to in “Winter Peak Demand Reduction Scheme 2009/10 – Rules” document published by EirGrid and CER.

### **Published Prices.**

The Published Prices are as follows:

- **Reliability Payment Rate:** €227 / MWh
- **Reliability Charge Rate:** €795 / MWh
- **Profile Payment Rate:** €102/ MWh

These rates will be applicable for the duration of the Scheme (2<sup>nd</sup> November 2009 to 26<sup>th</sup> February 2010) unless otherwise approved by the Commission.