



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

**Rules**

Season 2012/13

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# 1. INTRODUCTION

This document sets out the Rules for the tenth season of the Winter Peak Demand Reduction Scheme (WPDRS 2012/13)

The WPDRS has been designed to incentivise Customers to reduce load in a Delivery Period between 17.00-19.00 on WPDRS Business Days between 5<sup>th</sup> November 2012 and 22<sup>nd</sup> February 2013 inclusive.

The Rules for the WPDRS 2012/2013 have evolved from the Rules that were used during the previous years. The Rules of the Scheme have been updated to reflect changes and improvements to the way the Scheme operates.

A separate scheme operated by ESB Electric Ireland, known as the Winter Demand Reduction Incentive has a similar aim to WPDRS and operates at a similar time of year. Customers are not allowed to participate in both schemes concurrently.

Note that the CER is expected to consult on the future of the WPDRS scheme over the coming months. A glossary of all terms used throughout this document can be found in section Annex A.

## 2. RULES OF SCHEME

### 2.1 ELIGIBILITY

Customers who wish to participate in the Scheme must have the ability to reduce their metered consumption 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.

1. The Scheme is open to Customers with a Maximum Import Capacity greater than or equal to 250 kVA and less than or equal to 10 MVA. Customers who are Exporters cannot use their exports to contribute to their WPDRS reduction.
2. The rules for inclusion in the Scheme require each Customer to have appropriate Interval Metering, with historic meter data available. The Distribution System Operator (DSO), the Meter Registration System Operator (MRSO), 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.
3. 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.
4. Customers who participate in the Winter Demand Reduction Incentive (WDRI) run by ESB Electric Ireland will not be eligible to participate in WPDRS.
5. 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.
6. Customers will be required to have access to the internet for submitting their Committed Level Variation to EirGrid via the EirGrid WPDRS Portal.

### 2.2 QUALIFICATION

1. Customers interested in participating in the Scheme should download an application form from [www.eirgrid.com](http://www.eirgrid.com) and should complete and return this electronically to both their Supplier and EirGrid before 19<sup>th</sup> October 2012. The hard copy of the application form should be returned by post to EirGrid before 26<sup>th</sup> October 2012.
2. In their application, Customers will be required to indicate:

- General company details and contact details
- The level of electricity demand they will consume (in MW) during the Delivery Period. This is the Committed Level and this level can be varied by the customer
- Select either the Monthly Baseline or the Benchmark Energy as the method for calculating their Reliability Payments
- A single start date and a single end date indicating their length of participation in the scheme. Customers may control their participation in the Scheme by submitting Committed a Level Variation.

It is the customer's responsibility to ensure that all details of the application form are correct and valid. EirGrid will inform the customer if the application form is invalid.

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

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

### **2.4 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.

## **2.5 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 5<sup>th</sup> November 2012 to 22<sup>nd</sup> February 2013, to, or below, their Committed Level as indicated in their application form or their Committed Level Variation as appropriate.

Payment for this deliverable will be based on the price published in the "Published Price for the WPDRS - 2012/13", document published by EirGrid and CER.

## **2.6 COMMITTED LEVEL VARIATION**

1. 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, using the Committed Level Variation function on the WPDRS Portal.
2. For a variation to Committed Level to be accepted for a WPDRS Business Day, the Committed Level Variation must be received by EirGrid no later than 12:00 on the WPDRS Business Day in question. All valid Committed Level Variations submitted before this time and date will be accepted.
3. Designated Customers may submit a Committed Level Variation in advance for multiple WPDRS Business Days.
4. Committed Level Variations stay effective until the end of the Scheme, or until another Committed Level Variation is submitted by the Customer and becomes effective.
5. For the avoidance of doubt, if multiple Committed Level Variations are made by Designated Customers, the Committed Level Variation used by EirGrid will be the last valid variation received from the Designated Customer.
6. All Committed Level Variations are to be received by EirGrid through the WPDRS Portal, unless otherwise stated by EirGrid.

## **2.7 ROLE OF SUPPLIERS**

Suppliers will be responsible for:

- Informing Customers of their eligibility to participate in WPDRS and providing Customers with their Sample Baselines.
- Assisting their Customers with the application process.
- Ensuring that correctly completed applications are received by EirGrid.
- 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.
- 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 to Customers outlining their performance in WPDRS within ten (10) Business Days of receipt of the statements from EirGrid. These statements must be provided to the nominated WPDRS representative per the WPDRS application form.
- Assisting EirGrid where there is a query raised by a Customer regarding their participation in the Scheme.

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.

## **2.8 TERMS & SETTLEMENT**

- 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 query the amounts owing to them, they must raise the query with EirGrid within 3 months of receiving notification of the amount owing to them. For resolution of disputes, the Dispute Mechanism outlined in Section 3.
- 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 by EirGrid four months after the Scheme concludes.
- 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. Designated Customers will receive payment for the load reduction provided in accordance with the agreement they have with their Suppliers.
- 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.

## **2.9 ROLE OF EIRGRID**

EirGrid will be responsible for:

- Calculation of Customers' Sample Baseline, Designated Customers Monthly Baselines and Benchmark Energy based on data provided to EirGrid by the DSO and/or MRSO.
- Selection of Designated Customers (subject to approval by CER).
- Informing Designated Customers of their Monthly Baselines through the WPDRS portal.
- 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.
- Overseeing compliance by Suppliers and Designated Customers with Scheme and the Rules.
- Advise CER, Supplier and Customer if a Customer is being removed from the WPDRS.

## **2.10 COMMUNICATIONS**

During the Scheme there will be considerable communication between EirGrid and the Designated Customer. This will be carried out mainly through the WPDRS Portal and email. Customers can include multiple company representatives and email addresses on their WPDRS application form.

Each Designated Customer will receive a username and password for the WPDRS Portal before the start of the Scheme. The WPDRS Portal will be the main method of communication for:

- Communicating the Monthly Baselines to the Designated Customers.
- Submitting Committed Level Variations. The system will automatically accept or reject these Committed Levels. No email notification will be sent to Designated Customers
- Downloading the monthly performance reports.

It is the responsibility of the Designated Customer to check the WPDRS Portal regularly and to revise their Committed Level as they receive their new Monthly Baseline, or more frequently as required.

EirGrid have prepared a user-guide on how to use the WPDRS Portal and this is available to download at [www.eirgrid.com](http://www.eirgrid.com).

EirGrid will also communicate with the Designated Customer through [WPDRS@eirgrid.com](mailto:WPDRS@eirgrid.com).

## **2.11 ACCURACY OF METERING DATA**

It is the responsibility of the Designated Customer to check the 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.

## **2.12 PAYMENTS**

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

The Published Price will be published in the "Published Price for WPDRS 2012/13" 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.

## **2.13 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 as a DSU/AGU.
- v. Designated Customers do not participate in the spirit of the scheme.

## **2.14 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.

## **2.15 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.

## **2.16 GOVERNING LAW AND JURISDICTION**

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

### **3. 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 within 3 months of the end of the Scheme by a registered posted letter addressed to the WPDRS Team, Operational Services and Performance, EirGrid, with address at Block 2, The Oval, 160 Shelbourne Road, Ballsbridge, 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.

## 4. 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 2012/13
Annex E	Outline of “Published Price for WPDRS 2012/13” Document

## Annex A Defined Terms

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

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

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

“**Committed Level Variation**” means the process whereby a **Designated Customer** can revise their **Committed Level** through the **WPDRS Portal**;

“**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 5<sup>th</sup> November 2012 and 22<sup>nd</sup> February 2013 inclusive. The period in which “**Designated Customers**” will be required to reduce their load;

“**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;

“**ESB Electric Ireland**” means ESB Electric Ireland who administer the WDRI scheme;

“**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;

“**Sample Baseline**” means the indicative estimate of the **Customer’s** 17:00 to 19:00 demand for October which is defined by EirGrid using the best available **interval meter** data for the previous three months. This value is communicated to eligible **Customers** through their **Supplier**. Further detailed information on the **Sample Baseline** can be found in **Annex C**;

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

“**Market**” see **SEM**;

**“Monthly Baseline”** means the monthly estimate of the **Designated Customer’s** 17:00 to 19:00 demand which is defined by EirGrid. This value is communicated to the Designated Customer using the **WPDRS Portal**. Further detailed information on the **Monthly Baseline** can be found in **Annex C**;

**“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 2012/13**” to be published in early October 2012;

**“Published Price”** means the price that will be paid for the WPDRS in 2012/13 and will be published by the **CER** in the “Published Price for **WPDRS 2012/13**”;

**“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 2012/13**” which will be published by **CER** in early October 2012;

**“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 2012/13**” 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 between 17:00 and 19:00 on **WPDRS Business Days** between 5<sup>th</sup> November 2012 and 22<sup>nd</sup> February 2013;

**“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 2012/2013 Season is given in Annex D;

**“WPDRS Portal”** means the online **WPDRS** user interface provided by EirGrid for use by **Designated Customers** during the **WPDRS** for viewing **Monthly Baselines**, submitting **Committed Level Variation** and monitoring their performance;

## **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 Monthly Baseline or Benchmark Energy for the Reliability Payment; and the Benchmark Energy for the Profile Payment. Refer to Annex C for details on how these are calculated.

The Monthly Baseline and the Benchmark Energy will be allocated to the Designated Customer by EirGrid, and the Designated 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***

For calculation of Reliability Payments, Customers are required to choose to have their Reliability Payment calculated using an allocated Monthly Baseline or Benchmark Energy. Customers will be required to specify their choice of Monthly Baseline or Benchmark Energy on the application form. The Monthly Baseline or Benchmark Energy used for the calculation can only be selected prior to the start of the Scheme and will apply for the duration of the Scheme. The Monthly 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-calculated monthly for each Designated Customer using the best available interval meter data for the previous three months. This will be sent by EirGrid to the Designated Customer one week in advance of the start of the scheme in each month during WPDRS. Further information on the Sample Baseline and Monthly Baseline calculation can be found in Annex C

Customers will receive a Sample Baseline in October 2012, which will be subject to change before WPDRS commences in November 2012. The Monthly Baseline for November will be issued to

Designated Customers at the start of November one week in advance of November 5<sup>th</sup> 2012 using the WPDRS Portal.

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 Monthly Baseline/Benchmark Energy. For each Trading Period during the Delivery Period if a Designated Customer's demand remains below the Committed Level allowing for a tolerance of 2% of the difference between baseline or Benchmark Energy and committed level, the participant will earn a Reliability Payment in that Trading Period.

Reliability Payment (per Trading Period) = (Monthly Baseline/ Benchmark Energy– 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 Monthly Baseline or Benchmark Energy 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.

#### ***PROFILE PAYMENT***

The Benchmark Energy 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). Further information on how the Benchmark Energy is calculated can be found in Annex C.

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 or Benchmark Energy on a given WPDRS Business Day. To not participate for one or more WPDRS Business Days the Designated Customer must select to "Opt-Out" using the WPDRS Portal. The Customer may also "Opt-Out" for multiple WPDRS business days in advance. Customers will remain opted out until a new Committed Level Variation is submitted and becomes effective.

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 the Monthly Baseline and Benchmark Energy, please see Annex C - Baseline and Benchmark Energy calculation Methodology.

## **Annex C      Baseline and Benchmark Energy Calculation Methodology**

This Annex sets out the process by which the Baseline and Benchmark Energy will be calculated for use in the WPDRS for 5<sup>th</sup> November 2012 to 22<sup>nd</sup> February 2013.

### ***INTRODUCTION***

The scheme requires three measures of historic consumption by Designated Customers:

- Sample Baseline (MW)
- A Monthly Baseline (MW)

### **AND**

- Benchmark Energy (MW) = the average daily 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 Sample Baseline, the Monthly 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 best available interval metering data for the previous three months and/or 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 scheme in that month. This Monthly Baseline will be recalculated monthly using the most up to date available information.

The Monthly 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 three months interval meter data and the benchmark energy data where appropriate for WPDRS Business Days will be used in the calculation.

Baselines:

- Sample Baseline: The baseline will be calculated for peak half-hours (17.00-19.00) using the best available interval meter data from July, August and September. The 80<sup>th</sup> percentile of this data will then be calculated.
- November: The baseline will be calculated for peak half-hours (17.00-19.00) using the best available interval meter data from August, September and October. The 80<sup>th</sup> percentile of this data will then be calculated.
- December: The baseline will be calculated for peak half-hours (17.00-19.00) using the best available interval meter data from September and October, and the Benchmark Energy data from November. The 80<sup>th</sup> percentile of this data will then be calculated.
- January: The baseline will be calculated for peak half-hours (17.00-19.00) using the best available interval meter data from October, and the Benchmark Energy data from November and December. The 80<sup>th</sup> percentile of this data will then be calculated.
- February: The Baseline will be calculated for peak half-hours (17.00-19.00) using the Benchmark Energy data from November, December and January. The 80<sup>th</sup> percentile of this data will then be calculated.

***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.

**Annex D: List of WPDRS Business Days for WPDRS 20/11**

*5<sup>th</sup> November 2012 – 22<sup>nd</sup> February 2013.*

(Shaded days are “WPDRS Business Days”)

<b>NOVEMBER 2012</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 2012</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 2013</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 2013</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 2012/13” Document**

### **WPDRS 2012/13 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 (WPDRS) – Rules” document published by EirGrid and CER.

### **Published Prices**

The Published Prices are as follows:

- Reliability Payment Rate: € 224 / MWh
- Reliability Charge Rate: € 783 / MWh
- Profile Payment Rate: € 100 / MWh

These rates will be applicable for the duration of the Scheme (5<sup>th</sup> November 2012 to 22<sup>nd</sup> February 2013) unless otherwise approved by the CER.