



Commission for Energy Regulation

An Coimisiún um Rialáil Fuinnimh

**Direction To ESB Public Electricity Supplier  
On Electricity Tariff Charges for 2003**

CER/02/154  
4<sup>th</sup> Oct 2002

## 1. Introduction

In exercise of the powers conferred on the Commission for Energy Regulation under Regulation 31 of Statutory Instrument No.445 of 2000, the Commission hereby issues the following direction to the Electricity Supply Board in its capacity as Public Electricity Supplier (ESB PES).

The ESB PES shall charge final customers the charges outlined in Appendix 1 of this document commencing on the January/February 2003 billing period.

The direction will apply to the following tariff categories.

- Domestic Urban (Standard, Nightsaver and Group);
- Domestic Rural (Standard, Nightsaver and Group);
- Residential Business Premises;
- Commercial and Industrial General Purpose (Standard and Nightsaver);
- Commercial and Industrial Maximum Demand (low voltage);
- Maximum Demand (medium voltage);
- Maximum Demand (38kV);
- Maximum Demand (110 kV) – transmission and distribution connected;
- Public Lighting.

The various terms used in tariffs (e.g. domestic, industrial, commercial, standard, nightsaver, maximum demand, low and medium voltage, 38kV, 110 kV, standing charge, day, night, month, maximum import capacity) shall have the definition as currently adopted by the Board where any such definition exists and shall not be amended by the ESB PES unless approved (or directed as required) by the Commission.

## 2. Background

The Commission has revised the tariffs proposals issued on 6<sup>th</sup> September 2002. The Commission has received correspondence with respect to the proposed tariffs. The Commission has considered the comments received and has amended some components of the tariffs to be applied to customers.

The Commission has revised the PSO levy as a result of changes to the forecast Best New Entrant (BNE) price. This has not resulted in a change in the proposed average price charged to each customer category, published on 6<sup>th</sup> September 2002. However, it does result in a change in the component prices that make up the tariff. Details of both the BNE and PSO charges can be found on separate documents published on 4<sup>th</sup> October 2002.

### **3. Development of Tariffs to apply from 1<sup>st</sup> January 2003**

Allowable costs incurred in the generation, transmission, distribution and supply of electricity for each of the customer categories were used to calculate the ESB PES tariffs required to recover these costs. The Commission limited the initial overall increase to 9.85%. A separate exercise was carried out to determine the tariff increases to apply in each of the tariff categories.

<b>Tariff Categories</b>	<b>Increase</b>
	%
Domestic	13.25
Non-Domestic General Purpose	3.56
Low Voltage Maximum Demand	8.42
10-20kV Maximum Demand	3.46
38kV Maximum Demand	4.20
110kV Maximum Demand	4.20
Public Lighting	6.16
CEU	8.00

As a result of the capping of the overall tariff increases, PG will not recover all its costs in 2003. Of the estimated generation costs due to PG from PES, approximately €16 million has not been included in the 2003 tariffs and will be recovered in future years.

### **4. Tariff Structures**

The costs underlying the Board's electricity charges comprise: Power Generation (PG) costs, Transmission Use of System (TUoS) costs, Distribution Use of System (DUoS) costs, ESB PES supply costs and other costs such as the PSO and Capacity Margin.

In the September 2001 direction, the Commission amended a number of tariffs offered by PES. The Commission does not propose to amend the structure of the existing PES tariffs at this time.

The following changes to the application of the tariffs will take effect from the January/February billing period 2003:

1. The MD charge is currently based on the higher of the metered MD or 50% of the highest chargeable MD in the last 5 bills. From Jan/Feb 2003, the 50% demand lookback clause will no longer be applied.
2. The standing charge of the 38kV tariff will be higher for looped connections than tailed connections compared to the 2002 Tariff charges.
3. A new tariff will be introduced for distribution connected 110kV customers, which will have the same structure as the existing 110kV tariff but the charges will be higher to take account of the distribution use of system charges incurred by these customers.
4. Separate Capacity and MIC charges to reflect the changes in DUoS charges for Autoproducers with an MEC>MIC which were introduced in April 2002 have been included. In the event that any further changes will be introduced to and DUoS charges for Combined Heat and Power generators as a result of the consultation process, these will be added to the appropriate PES tariffs.

As part of a separate exercise, the Commission will review Transmission and Distribution Use of System charges from Quarter 4, 2002 with the intention of introducing any necessary structural changes to these tariffs for 2004 onwards. In parallel to the Use of System charges review, the Commission will carry out a review the PES's tariffs.

**Tom Reeves**  
**Member of the Commission**  
**4<sup>th</sup> October 2002**

**ATTACHMENT 1**

**ESB PES Tariffs 2003**

<b>Urban Domestic</b>	
<b>Standard Tariff</b>	
Standing Charge	€ 6.12 per 2 month period
Unit Rate	10.75 c/kWh
PSO	€ 1.92 per two month period
<b>Nightsaver Tariff</b>	
Standing Charge	€ 15.42 per 2 month period
Unit Rate day	10.75 c/kWh
Unit Rate Night	4.60 c/kWh
PSO	€ 1.92 per two month period
<b>Night Storage Heating</b>	
Standing Charge	€ 0.95 per 2 month period
Units Rate	4.60 c/kWh

<b>Urban Domestic Group Account</b>	
<b>Standard Tariff</b>	
Standing Charge	€ 6.12 per 2 month period and a reduced rate of €3.68 per 2 month period for each additional flat/apartment
Unit Rate	10.75 c/kWh
PSO	€ 1.92 per 2 month period
<b>Nightsaver Tariff</b>	
Standing Charge	€ 15.42 per 2 month period and a reduced rate of €10.81 per 2 month period for each additional flat/apartment
Unit Rate day	10.75 c/kWh
Unit Rate Night	4.60 c/kWh
PSO	€ 1.92 per 2 month period

<b>Rural Domestic</b>	
<b>Standard Tariff</b>	
Standing Charge	€ 10.57 per 2 month period.
Unit Rate	10.75 c/kWh
PSO	€ 1.92 per 2 month period
<b>Nightsaver Tariff</b>	
Standing Charge	€ 22.22 per 2 month period.
Unit Rate Day	10.75 c/kWh
Unit Rate Night	4.60 c/kWh
PSO	€ 1.92 per 2 month period

<b>Rural Domestic Group Account</b>	
<b>Standard Tariff</b>	
Standing Charge	€ 10.57 per 2 month period and a reduced rate of €8.05 per 2 month period for each additional flat/apartment.
Unit Rate	10.75 c/kWh
PSO	€ 1.92 per 2 month period
<b>Nightsaver Tariff</b>	
Standing Charge	€ 22.22 per 2 month period and a reduced rate of €17.37 per 2 month period for each additional flat/apartment.
Unit Rate day	10.75 c/kWh
Unit Rate Night	4.60 c/kWh
PSO	€ 1.92 per 2 month period

<b>Commercial and Industrial General Purpose</b>	
<b>Standard Tariff</b>	
Standing Charge	€ 14.60 per 2 month period
Standing Charge Autoproducers MEC>MIC	€3.32 per 2 month period
Unit Rate 1 <sup>st</sup> block (8,000kWh per 2 month period)	12.71 c/kWh
Unit Rate 2 <sup>nd</sup> block	11.01 c/kWh
PSO (Customer < 30 kVA)	€5.94 per 2 month period
PSO (Customers ≥30 kVA)	€0.98/kVA per 2 month period
<b>Nightsaver Tariff</b>	
Standing Charge	€ 18.50 per 2 month period
Standing Charge for Autoproducers with MEC>MIC	€ 5.88 per 2 month period
Unit Rate 1 <sup>st</sup> block (8,000kWh/per 2 month period)	13.46 c/kWh
Unit Rate 2 <sup>nd</sup> block	11.01 c/kWh
Unit Rate Night	4.60 c/kWh
PSO (Customer < 30 kVA)	€5.94 per 2 month period
PSO (Customers ≥30 kVA)	€0.98/kVA per 2 month period
<b>Night Storage Heating</b>	
Standing Charge	€ 0.95 per 2 month period
Unit Rate	4.60 c/kWh



**Residential Business Premises**

<b>Standard Tariff</b>	
Standing Charge	€ 13.50 per 2 month period
Standing Charge for Autoproducers with MEC>MIC	€ 2.22 per 2 month period
Unit Rate 1 <sup>st</sup> . Block (1,500 kWh per 2 month period)	10.75 c/kWh
Unit Rate 2 <sup>nd</sup> block	12.71 c/kWh
PSO (Customer MIC < 30 kVA)	€5.94 per 2 month period
PSO (Customer MIC >=30 kVA)	€0.98/kVA per 2 month period
<b>Nightsaver Tariff</b>	
Standing Charge	€17.50 per 2 month period
Standing Charge for Autoproducers with MEC>MIC	€ 4.88 per two month period
Unit Rate 1 <sup>st</sup> . Block (1,200 kWh per 2 month period)	10.75 c/kWh
Unit Rate 2 <sup>nd</sup> block	13.46 c/kWh
Units Rate Night	4.60 c/kWh
PSO (Customer MIC < 30 kVA)	€5.94 per 2 month period
PSO (Customer MIC >=30 kVA)	€0.98/kVA per 2 month period

**Low Power Factor Surcharges  
(applicable to LV non-domestic non-MD tariffs)**

<b>Tariff</b>	<b>Rate</b>
Low Power Factor Surcharge applies to all kVArh recorded in any two monthly period if:	0.71 c/kVArh
(a) more than 2,800 kVArh are recorded, and	
(b) the kVArh recorded exceed 50% of the total kWh recorded in the same period.	

**Public Lighting**

<b>Unmetered Supplies (urban/rural)</b>	
Dusk to midnight	14.25 c/kWh
Dust to dawn	8.07 c/kWh
24 hr supplies	7.61 c/kWh
Metered Supplies (rural)	14.25 c/kWh
Unmetered Supplies	€4.13/kWh
PSO	€0.98/kVA per 2 month period

Misc. Unmetered Supplies	
Telephone kiosks < 31Watts	€ 3.91 per 2 months
PSO	€ 0.98/kVA per 2 months
Telephone kiosks > 30Watts	€ 7.80 per 2 months
PSO	€ 0.98/kVA per 2 months
<b>TV aerial towers &amp; boosters</b>	
up to 50 watts	€ 8.48 per 2 months
51 to 100 watts	€ 17.96 per 2 months
101 to 150 watts	€ 27.42 per 2 months
151 to 200 watts	€ 36.88 per 2 months
201 to 300 watts	€ 52.91 per 2 months
301 to 400 watts	€ 69.28 per 2 months
401 to 500 watts	€ 85.67 per 2 months
501 to 600 watts	€ 102.06 per 2 months
601 to 700 watts	€ 118.44 per 2 months
701 to 800 watts	€ 134.47 per 2 months
801 to 900 watts	€ 150.84 per 2 months
901 to 1000 watts	€ 167.22 per 2 months
For each additional 100 watts or Portion thereof	€ 16.31 per 2 months
PSO	€0.98/kVA per 2 months

<b>Maximum Demand (Low Voltage)</b>	
Standing Charge	€140.00 per 2 month period
Standing Charge for Autoproducers with MEC>MIC	€ 31.82 per 2 month period
MD Charge	€5.00/kW of metered MD per 2 month period
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per 2 month period	10.06 c/kWh
Balance of kWh per 2 month period	6.86 c/kWh
Night unit rates	4.39 c/kWh
Service Capacity Charge	€4.06/kVA per 2 month period
Service Capacity Charge for Autoproducer with MEC>MIC	€0.02/kVA per 2 month period
PSO (Customer MIC<30kVA)	€5.94 per 2 month period
PSO (Customer MIC≥30kVA)	€0.98/kVA per 2 month period

<b>Maximum Demand (Medium Voltage) 10/20kV</b>	
Standing Charge	€ 450.00 per 2 month period
Standing Charge for Autoproducers with MEC>MIC	€104.96 per 2 month period
MD Charge Summer	€ 3.00 /kW of metered MD per 2 month period
MD Charge winter	€ 5.52 /kW of metered MD per 2 month period
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per 2 month period	7.80 c/kWh
Balance of kWh per 2 month period	6.23 c/kWh
Night unit rates	4.07 c/kWh
Service Capacity Charge	€4.00 per kVA per 2 month period
Service Capacity Charge for Autoproducer with MEC>MIC	€1.48 per kVA per 2 month period
PSO	€0.98/kVA per 2 month period

<b>Maximum Demand 38 kV</b>	
Standing Charge - Looped	€ 6250.00 per 2 month period
Standing Charge - Tailed	€ 2100.00 per 2 month period
Standing Charge for Autoproducers with MEC>MIC-Looped	€ 465.82 per 2 month period
Standing Charge for Autoproducers with MEC>MIC-Tailed	€ 452.40 per 2 month period
MD Charge Summer	€ 3.00 /kW of metered MD per 2 month period
MD Charge Winter	€ 4.50 /kW of metered MD per 2 month period
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Summer period (2 months)	6.95 c/kWh
Balance of kWh per Summer period (2 months)	5.46 c/kWh
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Winter period (2 months)	8.25 c/kWh
Balance of kWh per Winter period (2 months)	5.98 c/kWh
Night unit rates	3.91 c/kWh
Service Capacity Charge	€ 3.35/kVA of MIC per 2 month period
Service Capacity Charge for Autoproducer with MEC>MIC	€2.11/kVA per 2 month period
PSO	€0.98 per kVA per 2 month period

<b>Maximum Demand 110kV (Distribution Connected)</b>	
Standing Charge	€ 22,474.00 per 2 month period
MD Charge Summer	€ 2.00 /kW of metered MD per 2 month period
MD Charge Winter	€ 4.00 /kW of metered MD per 2 month period
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Summer period	7.04c/kWh
Balance of kWh per Summer period	4.64c/kWh
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Winter period	7.39c/kWh
Balance of kWh per Winter period	4.96c/kWh
Night unit rates	3.84c/kWh
Service Capacity Charge	€ 2.88 per kVA of MIC per 2 month period
PSO	€0.98/kVA per 2 month period

<b>Maximum Demand 110kV (Transmission Connected)</b>	
Standing Charge	€ 1720.00 per 2 month period
MD Charge Summer	€ 2.00 /kW of metered MD per 2 month period
MD Charge Winter	€ 4.00 /kW of metered MD per 2 month period
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Summer period	7.00c/kWh
Balance of kWh per Summer period	4.60c/kWh
Day Unit Rate 1 <sup>st</sup> 350kWh per kW of MD per Winter period	7.35c/kWh
Balance of kWh per Winter period	4.92c/kWh
Night unit rates	3.84c/kWh
Service Capacity Charge	€2.24 per kVA of MIC per 2 month period
PSO	€ 0.98/kVA per 2 month period

**Low Power Factor Surcharges (applicable to MD tariffs)**

<b>Tariff</b>	<b>Rate</b>
Low Voltage	0.65 c/kVARh
Medium Voltage	0.57 c/kVARh
38 kV	0.53 c/kVARh
<p>Low Power Factor Surcharge applied to kVARh in excess of one third of kWh in any 2 monthly billing periods.</p>	

**MIC Penalties (applicable to MD Tariffs)**

If a customer's MD, converted to kVA by dividing by .95 exceeds their MIC, there will be a surcharge of twice the Capacity Charge for the excess, for that billing period only.

If ESB National Grid (or Eirgrid) implement a Network Unauthorised Usage charge, this will be added to the relevant PES tariffs.