

## **GNI Distribution Tariffs for Gas Year 2017/18**

The following charges for standard service on the GNI Distribution System will apply from the 1<sup>st</sup> October 2017 to the 30<sup>th</sup> September 2018. These charges have been prepared by the Commission for Energy Regulation (“CER”) as outlined in the CER decision of the 30<sup>th</sup> August 2017 (CER/17/274).

In order to avoid anomalies between similar type users (i.e. eliminate extreme discrete differences), a set of regression formulae have been developed in order to return the requisite revenue from the 2017/18 market capacities and volumes. The tables below illustrate the distribution tariff charges for 2017/18 as they pertain to the various market categories.

### **Capacity Charges**

<b>Category by Annual Quantity</b>	<b>Capacity Charge (c/pk day kWh)</b>
<=73 MWh	158.3296
> 73 MWh - <=14,653 MWh	$140.1600 - 4.0747 * \ln(\text{MDQ})^*$
> 14,653 MWh - <=57,500 MWh	$350.1701 - 50.2496 * \ln(\text{MDQ})$
> 57,500 MWh	43.1821

### **Commodity Charges**

<b>Category by Annual Quantity</b>	<b>Commodity Charge (c/kWh)</b>
<=73 MWh	0.3424
> 73 MWh - <=14,653 MWh	$0.2735 - 0.0266 * \ln(\text{MDQ})$
> 14,653 MWh - <=57,500 MWh	$0.3187 - 0.0420 * \ln(\text{MDQ})$
> 57,500 MWh	0.0623

The capacity and commodity unit charges are determined by inserting the Maximum Daily Quantity into the relevant formulae (MDQ measured in MWh). The result of the formulae are in terms of c/peak day kWh and c/kWh respectively.

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\*Ln(MDQ) is the natural logarithm of the Max Daily Quantity (measured in MWh)

## Worked Examples:

### Example 1

Customer Annual Quantity - 50 MWh

Customer Maximum Daily Quantity - 0.37 MWh

Commodity Charge applicable: 0.3424 c/kWh

Annual Commodity Revenue:  $50,000 \text{ (kWh)} \times 0.3424 / 100 = \text{€}171.20$

Capacity Charge applicable: 158.3296 c/pk day kWh

Annual Capacity Revenue:  $370 \text{ (kWh)} \times 158.3296 / 100 = \text{€}585.82$

Total Annual Revenue = €757.02

### Example 2

Customer Annual Quantity - 10,000 MWh

Customer Maximum Daily Quantity - 54.79 MWh

Commodity Charge applicable:  $0.2735 - 0.0266 \times \ln(54.79) = 0.1670 \text{ c/kWh}$

Annual Commodity Revenue:  $10,000,000 \text{ (kWh)} \times 0.1670 / 100 = \text{€}16,700.67$

Capacity Charge applicable:  $140.1600 - 4.0747 \times \ln(54.79) = 123.8469 \text{ c/pk day kWh}$

Annual Capacity Revenue:  $54,790 \text{ (kWh)} \times 123.8469 / 100 = \text{€}67,855.72$

Total Annual Revenue = €84,556.39

### Example 3

Customer Annual Quantity - 40,000 MWh

Customer Maximum Daily Quantity - 182.65 MWh

Commodity Charge applicable:  $0.3187 - 0.0420 \times \ln(182.65) = 0.1000 \text{ c/kWh}$

Annual Commodity Revenue:  $40,000,000 \text{ (kWh)} \times 0.1000 / 100 = \text{€}39,992.79$

Capacity Charge applicable:  $350.1701 - 50.2496 \times \ln(182.65) = 88.4917 \text{ c/pk day kWh}$

Annual Capacity Revenue:  $182,650 \text{ (kWh)} \times 88.4917 / 100 = \text{€}161,630.09$

Total Annual Revenue = €201,622.89

#### Example 4

Customer Annual Quantity - 80,000 MWh

Customer Maximum Daily Quantity - 313.11 MWh

Commodity Charge applicable: 0.0623 c/kWh

Annual Commodity Revenue:  $80,000,000 \text{ (kWh)} \times 0.0623 / 100 = \text{€}49,840.00$

Capacity Charge applicable: 43.1821 c/pk day kWh

Annual Capacity Revenue:  $313,110 \text{ (kWh)} \times 43.1821 / 100 = \text{€}135,207.47$

Total Annual Revenue =  $\text{€}185,047.47$