

## GNI Distribution Tariffs for Gas Year 2021/22

The following charges for standard service on the GNI Distribution System will apply from the 1<sup>st</sup> of October 2021 to the 30<sup>th</sup> of September 2022. These charges have been prepared by the Commission for Regulation of Utilities (“CRU”) as outlined in the CRU decision as at the 4<sup>th</sup> of June 2021 (CRU/21/059).

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 2021/22 market capacities and volumes. The tables below illustrate the distribution tariff charges for 2021/22 as they pertain to the various market categories.

### Capacity Charges

Category by Annual Quantity	Capacity Charge (c/pk day kWh)
<=73 MWh	154.2089
> 73 MWh - <=14,653 MWh	$136.5122 - 3.9686 * \ln(\text{MDQ})^*$
> 14,653 MWh - <=57,500 MWh	$341.0567 - 48.9419 * \ln(\text{MDQ})$
> 57,500 MWh	42.0583

### Commodity Charges

Category by Annual Quantity	Commodity Charge (c/kWh)
<=73 MWh	0.3293
> 73 MWh - <=14,653 MWh	$0.2631 - 0.0256 * \ln(\text{MDQ})$
> 14,653 MWh - <=57,500 MWh	$0.3065 - 0.0404 * \ln(\text{MDQ})$
> 57,500 MWh	0.0599

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: 0.3293 c/kWh

Annual Commodity Revenue: 50,000 (kWh) x 0.3293 / 100 = €164.65

Capacity Charge applicable: 157.7187 c/pk day kWh

Annual Capacity Revenue: 370 (kWh) x 154.2089 / 100 = €570.57

Total Annual Revenue = €735.22

#### Example 2

Customer Annual Quantity - 10,000 MWh

Customer Maximum Daily Quantity - 54.79 MWh

Commodity Charge applicable:  $0.2631 - 0.0256 \times \ln(54.79) = 0.1606$  c/kWh

Annual Commodity Revenue: 10,000,000 (kWh) x 0.1606 / 100 = €16,061.02

Capacity Charge applicable:  $136.5122 - 3.9686 \times \ln(54.79) = 120.6239$  c/pk day kWh

Annual Capacity Revenue: 54,790 (kWh) x 120.6239 / 100 = €66,089.32

Total Annual Revenue = €82,150.84

#### Example 3

Customer Annual Quantity - 40,000 MWh

Customer Maximum Daily Quantity - 182.65 MWh

Commodity Charge applicable:  $0.3065 - 0.0404 \times \ln(182.65) = 0.0961$  c/kWh

Annual Commodity Revenue: 40,000,000 (kWh) x 0.0961 / 100 = €38,445.64

Capacity Charge applicable:  $341.0567 - 48.9419 \times \ln(182.65) = 86.1882$  c/pk day kWh

Annual Capacity Revenue: 182,650 (kWh) x 86.1882 / 100 = €157,422.83

Total Annual Revenue = €195,868.47

#### Example 4

Customer Annual Quantity - 80,000 MWh

Customer Maximum Daily Quantity - 313.11 MWh

Commodity Charge applicable: 0.0599 c/kWh

Annual Commodity Revenue:  $80,000,000 \text{ (kWh)} \times 0.0604 / 100 = \text{€}47,920.00$

Capacity Charge applicable: 42.0583 c/pk day kWh

Annual Capacity Revenue:  $313,110 \text{ (kWh)} \times 42.0583 / 100 = \text{€}131,688.74$

Total Annual Revenue = €179,608.74