

Example for Calculating the Total Unit Price (per kWh)

In order to calculate the total unit price (per kWh), the unit price based on a fuel price of €300 per Metric Tonne (M.T.) is added to the Fuel Adjustment Cost, which arises from any increase or decrease in the cost of fuel, as determined by the Fuel Adjustment Clause.

The calculation below explains how the fuel adjustment price is calculated, for the bi-monthly customers connected to the Low Voltage electricity supply, where the Coefficient of Fuel Adjustment is 0,00024438 cent and the fuel price is €330/M.T..

Based on the fuel adjustment clause, this means that the unit price (kWh) shall be increased or decreased by 0,00024438 cent for every 1 cent increase or decrease in the basic fuel cost of €300/M.T..

The fuel price of €330 is €30 (€330 - €300) higher than €300 or 3000 cent higher than €300.

Consequently, in this example the fuel adjustment cost per unit for bi-monthly customers is : $\frac{3000}{1} \times 0,00024438 = 0,7331$ cent.

In order to calculate the corresponding total unit price (kWh), this adjustment (0,7331 cent) has to be added to the basic prices per unit (kWh) on bi-monthly customers connected to Low Voltage electricity supply, which corresponds to a current fuel price of €300/M.T..

Taking into consideration all the above, examples for calculating the tariffs for domestic use, are shown below:

A) Single Rate Domestic Use Tariff - Code 01

Charge per Unit				Bi-monthly Charge €
Bi-monthly Tariff's Charges	Basic Price cent / kWh	Fuel Adjustment cent / kWh	Total Price cent / kWh	
Energy Charge	9,23	0,7331	9,9631	
Network Charge	3,21		3,21	
Ancillary Services Charge	0,67		0,67	
Meter Reading Charge				0,98
Supply Charge				4,68

B) Two Rate Domestic Use Tariff - Code 02

Charge per Unit					Bi-monthly Charge €
Bi-monthly Tariff's Charges	Periods	Basic Price cent / kWh	Fuel Adjustment cent / kWh	Total Price cent / kWh	
Energy Charge	Standard (09:00 – 23:00)	9,89	0,7331	10,6231	
	Economy (23:00 – 09:00)	7,94	0,7331	8,6731	
Network Charge	Standard (09:00 – 23:00)	3,22		3,22	
	Economy (23:00 – 09:00)	3,21		3,21	
Ancillary Services Charge	Standard (09:00 – 23:00)	0,67		0,67	
	Economy (23:00 – 09:00)	0,67		0,67	
Meter Reading Charge					0,98
Supply Charge					4,68

In the same way, the fuel adjustment charge is added to the basic prices of each tariff, in order to calculate the total unit price.