

[Reference] Calculation of Fuel Cost Adjusted Unit Price and Electricity Fees for August 2012 based on the general supply provisions applied on May 11, 2012

1. Average Fuel Price Calculation

Calculate a 3-month average fuel prices by fuel types (crude oil, LNG, and coal).

Calculate average fuel price using above three figures and conversion factor.

(trade statistics prices published by Ministry of Finance Japan)

	Jan.-Mar., 2012 (Rate Revision Applied)	Mar. - May 2012 (for Aug. 2012)			
		Average	Mar.	Apr.	May
Crude Oil (JPY/kl)	57,802	63,598	61,896	65,787	63,004
LNG (JPY/t)	67,548	70,773	70,147	71,364	70,916
Coal (JPY/t)	11,452	11,606	11,818	11,771	11,269
Average Fuel Price(JPY/kl)	44,300 (basic fuel price)		(fixed)	(fixed)	(flash)

	Crude Oil Price	LNG Price	Coal Price
	63,598 JPY/kl	70,773 JPY/ t	11,606 JPY/ t
	×	×	×
	0.1989 (α)	0.4425 (β)	0.2506 (γ)
+)			
↓ (rounded off to 100 JPY)			
Average Fuel Price	46,900 JPY/kl		

2. Fuel Cost Adjusted Unit Price Calculation (Low-Voltage Supply)

$$\begin{aligned}
 \text{Fuel Cost Adjusted Unit Price} &= (\text{Average Fuel Price} - \text{Basic Fuel Price}) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= (46,900 \text{ JPY/kl} - 44,300 \text{ JPY/kl}) \times \frac{0.222 \text{ JPY/kWh}}{1,000} \\
 &= 0.5772 \text{ JPY/kWh} \\
 &\downarrow \text{ (rounded off to the hundredth) } \\
 &= \boxed{0.58 \text{ JPY/kWh}}
 \end{aligned}$$

3. Electricity Fees Calculation for August 2012 (averaged model)

In case of 30A meter-rate lighting B and 290kWh of electricity consumption per month.

The Solar Surcharge and a reduction by automatic bank transfer discount included.

Demand Charge	+	Power Volume Fee	+	Renewable Energy Promotion Surcharge	+	Solar Surcharge	-	Account Transfer Discount	
819.00 JPY		19.16 JPY/kWh × 120 kWh 25.71 JPY/kWh × 170 kWh + Fuel Cost Adjustment Fuel Cost Adjusted Unit Price × Consumption 0.58 JPY/kWh × 290 kWh		63 JPY		17 JPY		52.50 JPY	= 7,684 JPY

* tax included