

Calculation of Fuel Cost Adjusted Unit Price and Electricity Fees for September 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)	April - June 2012 (for September 2012)			
		Average	Apr. 2012	May 2012	Jun. 2012
Crude Oil (JPY/kl)	57,802	62,326	65,787	63,021	57,517
LNG (JPY/ t)	67,548	71,093	71,364	70,970	70,944
Coal (JPY/ t)	11,452	11,184	11,771	11,282	10,578
Average Fuel Price(JPY/kl)		44,200	(fixed)	(fixed)	(flash)
		(basic fuel price)	< Conversion Factor > Crude Oil Conversion Factor × Caloric Component Ratio		
Crude Oil Price	62,326 JPY/kl	×	0.1970 (α)		
LNG Price	71,093 JPY/ t	×	0.4435 (β)		
Coal Price	11,184 JPY/ t	×	0.2512 (γ)		
+)		↓ (rounded off to 100 JPY)			
Average Fuel Price		46,600 JPY/kl			

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

$$\begin{aligned}
 \text{Fuel Cost Adjusted Unit Price} &= (\text{Average Fuel Price} - \text{Basic Fuel Price}) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= (46,600 \text{ JPY/kl} - 44,200 \text{ JPY/kl}) \times \frac{0.222 \text{ JPY/kWh}}{1,000} \\
 &= 0.5328 \text{ JPY/kWh} \\
 &\quad \downarrow \text{(rounded off to the hundredth)} \\
 &= \boxed{0.53 \text{ JPY/kWh}}
 \end{aligned}$$

3. Electricity Fees Calculation for September 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	+	<p style="text-align: center;">Power Volume Fee</p> <p>18.89 JPY/kWh × 120 kWh</p> <p>25.19 JPY/kWh × 170 kWh</p> <p style="text-align: center;">+</p> <p style="text-align: center;">Fuel Cost Adjustment</p> <p style="border: 1px dashed black; padding: 5px;"> Fuel Cost Adjusted Unit Price × Consumption 0.53 JPY/kWh × 290 kWh </p>	+	Renewable Energy Promotion Surcharge	+	Solar Surcharge	-	Account Transfer Discount
819.00 JPY				63 JPY		17 JPY		53 JPY
= 7,548 JPY								

* tax included

* Value calculated based on the electricity supply provisions, etc. effective on September 1, 2012 throughout the month.