

Calculation of Fuel Cost Adjusted Unit Price and Electricity Fees for August 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., 2008 (Rate Revision)	Feb.- Apr., 2012 (for Jun. 2012)	Mar. - May 2012 (for Aug. 2012)			
			Average	Mar.	Apr.	May
Crude Oil (JPY/kl)	62,735	61,362	63,598	61,896	65,787	63,004
LNG (JPY/ t)	58,282	68,965	70,773	70,147	71,364	70,916
Coal (JPY/ t)	8,873	11,542	11,606	11,818	11,771	11,269
Average Fuel Price(JPY/kl)	42,700	47,200		(fixed)	(fixed)	(flash)

(basic fuel price)

Crude Oil Price

63,598	JPY/kl
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× 0.2782 (α)

LNG Price

70,773	JPY/ t
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× 0.3996 (β)

Coal Price

11,606	JPY/ t
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× 0.2239 (γ)

+)

↓ (rounded off to 100 JPY)

Average Fuel Price 48,600 JPY/kl (period-over-period: +1,400JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjusted Unit Price} &= (\text{Average Fuel Price} - \text{Basic Fuel Price}) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= (48,600 \text{ JPY/kl} - 42,700 \text{ JPY/kl}) \times \frac{0.19 \text{ JPY/kWh}}{1,000} \\
 &= 1.1210 \text{ JPY/kWh} \\
 &\quad \downarrow \text{ (rounded off to the hundredth) } \\
 &= \boxed{1.12 \text{ JPY/kWh}}
 \end{aligned}$$

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	+	<p style="text-align: center;">Power Volume Fee</p> <p style="text-align: center;">17.87 JPY/kWh × 120 kWh 22.86 JPY/kWh × 170 kWh</p> <p style="text-align: center;">+</p> <p style="text-align: center;">Fuel Cost Adjustment</p> <div style="border: 1px dashed black; padding: 5px; margin: 5px auto; width: 80%;"> <p style="text-align: center;">Fuel Cost Adjusted Unit Price Consumption</p> <p style="text-align: center;">1.12 JPY/kWh × 290 kWh</p> </div>	+	Renewable Energy Promotion Surcharge	+	Solar Surcharge	-	Account Transfer Discount
819.00 JPY				63 JPY		17 JPY		52.50 JPY
								= 7,201 JPY

* tax included

END