

Calculation of Fuel Cost Adjusted Unit Price and Electricity Fees for July 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)	Jan.-Mar., 2012 (for Jun. 2012)	Feb.-Apr. 2012 ( for Jul. 2012 )			
			Average	Feb.	Mar.	Apr.
Crude Oil (JPY/kl)	62,735	57,802	61,362	56,439	61,896	65,774
LNG (JPY/ t)	58,282	67,548	68,965	65,552	70,147	71,364
Coal (JPY/ t)	8,873	11,452	11,542	11,064	11,818	11,761
Average Fuel Price(JPY/kl)	42,700	45,600		(fixed)	(fixed)	(flash)

	Jan.-Mar., 2008 (standard fuel price)	Jan.-Mar., 2012 (for Jun. 2012)		Feb.-Apr. 2012 ( for Jul. 2012 )
Crude Oil Price	42,700	61,362 JPY/kl	×	0.2782 ( )
LNG Price		68,965 JPY/ t	×	0.3996 ( )
Coal Price		11,542 JPY/ t	×	0.2239 ( )
+ )				
↓ (rounded off to 100 JPY)				
<b>Average Fuel Price</b>		<b>47,200 JPY/kl</b>		( period-over-period: +1,600JPY/kl)

< Conversion Factor >  
Crude Oil Conversion Factor  
× Caloric Component Ratio

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

$$\begin{aligned}
 \text{Fuel Cost Adjusted Unit Price} &= ( \text{Average Fuel Price} - \text{Standard Fuel Price} ) \times \frac{\text{Standard Unit Price}}{1,000} \\
 &= ( 47,200\text{JPY/kl} - 42,700\text{JPY/kl} ) \times \frac{0.19\text{JPY/kWh}}{1,000} \\
 &= 0.855\text{JPY/kWh} \\
 &\downarrow \text{( rounded off to the hundredth )} \\
 &= 0.86\text{JPY/kWh}
 \end{aligned}$$

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

In case of 30A of 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	+	Energy Charge	+	Solar Surcharge	-	Automatic Bank Transfer Discount
819.00JPY		17.87JPY/kWh × 120kWh 22.86JPY/kWh × 170kWh + Fuel Cost Adjustment Amount Fuel Cost Adjusted Unit Price × Monthly Energy Consumption 0.86JPY/kWh × 290kWh		17JPY		52.50JPY
= 7,063JPY						

Consumption Tax, etc. included

END