

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for June 2015

1. The calculation of the Average Fuel Price

- ① Calculate the 3-month average fuel price for each fuel type (i.e. crude oil, LNG, and coal).
- ② Multiply the average fuel prices in ① above by the respective conversion factors, and add all the numbers together.

(Below are the prices provided in the Trade Statistics of Japan published by the Ministry of Finance Japan)

	Jan - Mar 2012 (at the time of rate revision)	Dec 2014 - Feb 2015 (for May 2015)	Jan - Mar 2015 (for June 2015)			
			Average	Jan 2015	Feb 2015	Mar 2015
Crude Oil (JPY/kl)	57,802	48,389	42,061	47,541	36,778	41,252
LNG (JPY/ t)	67,548	90,717	83,915	93,028	81,980	76,309
Coal (JPY/ t)	11,452	10,256	10,178	10,441	9,796	10,230
Average Fuel Price(JPY/kl)	44,200	52,300		(fixed)	(fixed)	(preliminary)

(basic fuel price)

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

Crude Oil Price	42,061 JPY/kl	×	0.1970 (α)
LNG Price	83,915 JPY/ t	×	0.4435 (β)
Coal Price	10,178 JPY/ t	×	0.2512 (γ)

+)

		(Maximum unit: 100 JPY) Rounded off to the nearest 10	
Average Fuel Price	48,100 JPY/kl	(compared with the previous period: -4,200JPY/kl)	

2. The calculation of the Fuel Cost Adjustment Unit Price (in the case of Low-Voltage Supply)

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{<Average Fuel Price>}}{48,100 \text{JPY/kl}} - \frac{\text{<Basic Fuel Price>}}{44,200 \text{JPY/kl}} \right) \times \frac{\text{<Basic Unit Price>}}{1,000} \\
 &= \frac{-0.8892 \text{JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.89 \text{JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for June 2015 (in the case of the average model)

*The fuel cost adjustment price, which is calculated by multiplying the fuel cost adjustment unit price by the amount of power consumed, is included in the electricity rates.

Example: For the customers of 30A meter-rate lighting B with 290kWh of electricity consumption per month.

Automatic bank transfer discount included.

Demand Charge	+	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">19.43 JPY/kWh</td> <td style="padding: 2px;">×</td> <td style="padding: 2px;">120kWh</td> <td style="padding: 2px;">+</td> <td style="padding: 2px;">25.91 JPY/kWh</td> <td style="padding: 2px;">×</td> <td style="padding: 2px;">170kWh</td> </tr> <tr> <td colspan="7" style="text-align: center; padding: 2px;">Fuel Cost Adjustment</td> </tr> <tr> <td colspan="4" style="border: 1px dashed black; padding: 2px;">Fuel Cost Adjustment Unit Price</td> <td colspan="3" style="border: 1px dashed black; padding: 2px;">Consumption</td> </tr> <tr> <td colspan="4" style="border: 1px dashed black; padding: 2px;">-0.89 JPY/kWh</td> <td colspan="3" style="border: 1px dashed black; padding: 2px;">× 290kWh</td> </tr> </table>	19.43 JPY/kWh	×	120kWh	+	25.91 JPY/kWh	×	170kWh	Fuel Cost Adjustment							Fuel Cost Adjustment Unit Price				Consumption			-0.89 JPY/kWh				× 290kWh			+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount
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= 8,240 JPY																																		

• The calculated electricity rates above include a consumption tax and other costs.