

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for August 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)	Feb - Apr 2015 (for July 2015)	March - May 2015 (for August 2015)			
			Average	Mar 2015	Apr 2015	May 2015
Crude Oil (JPY/kl)	57,802	40,252	42,606	41,288	42,362	44,504
LNG (JPY/ t)	67,548	74,504	66,154	76,307	63,522	54,815
Coal (JPY/ t)	11,452	10,089	10,123	10,234	10,228	9,789
Average Fuel Price(JPY/kl)	44,200	43,500		(fixed)	(fixed)	(preliminary)

	(basic fuel price)			< Conversion Factor > Crude Oil Conversion Factor × Caloric Component Ratio	
Crude Oil Price	42,606	JPY/kl	×	0.1970	(α)
LNG Price	66,154	JPY/ t	×	0.4435	(β)
Coal Price	10,123	JPY/ t	×	0.2512	(γ)
+)					
			(Maximum unit: 100 JPY) Rounded off to the nearest 10		
Average Fuel Price	40,300		JPY/kl (compared with the previous period: -3,200JPY/kl)		

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{40,300 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-0.8892 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.89 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for August 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 border="0" style="width: 100%;"> <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="3" style="border: 1px dashed black; padding: 2px;">Fuel Cost Adjustment Unit Price</td> <td style="padding: 2px;">×</td> <td colspan="3" style="border: 1px dashed black; padding: 2px;">Consumption</td> </tr> <tr> <td colspan="3" style="border: 1px dashed black; padding: 2px;">-0.89 JPY/kWh</td> <td colspan="4"></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							+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount
19.43 JPY/kWh	×	120kWh	+	25.91 JPY/kWh	×	170kWh																												
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842.40 JPY				458 JPY		54 JPY		= 7,724 JPY																										

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