

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for September 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)	Mar - May 2015 (for August 2015)	April - June 2015 (for September 2015)			
			Average	Apr 2015	May 2015	Jun 2015
Crude Oil (JPY/kl)	57,802	42,606	45,215	42,362	44,609	49,488
LNG (JPY/ t)	67,548	66,154	57,993	63,522	54,815	55,252
Coal (JPY/ t)	11,452	10,123	9,957	10,228	9,779	9,810
Average Fuel Price(JPY/kl)	44,200	40,300		(fixed)	(fixed)	(preliminary)

(basic fuel price)

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

Crude Oil Price	45,215 JPY/kl	×	0.1970 (α)
LNG Price	57,993 JPY/ t	×	0.4435 (β)
Coal Price	9,957 JPY/ t	×	0.2512 (γ)

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Average Fuel Price 37,100 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (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)

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{<Average Fuel Price>}}{37,100 \text{JPY/kl}} - \frac{\text{<Basic Fuel Price>}}{44,200 \text{JPY/kl}} \right) \times \frac{\text{<Basic Unit Price>}}{1,000} \\
 &= \frac{-1.6188 \text{JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-1.62 \text{JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for September 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="width: 50%;">19.43 JPY/kWh</td> <td style="width: 5%; text-align: center;">×</td> <td style="width: 45%;">120kWh</td> </tr> <tr> <td>25.91 JPY/kWh</td> <td>×</td> <td>170kWh</td> </tr> <tr> <td colspan="3" style="text-align: center;">+</td> </tr> <tr> <td colspan="3" style="text-align: center;">Fuel Cost Adjustment</td> </tr> <tr> <td style="border: 1px dashed black; padding: 2px;">Fuel Cost Adjustment Unit Price</td> <td style="text-align: center;">×</td> <td style="border: 1px dashed black; padding: 2px;">Consumption</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">-1.62 JPY/kWh</td> <td>×</td> <td>290kWh</td> </tr> </table>	19.43 JPY/kWh	×	120kWh	25.91 JPY/kWh	×	170kWh	+			Fuel Cost Adjustment			Fuel Cost Adjustment Unit Price	×	Consumption	-1.62 JPY/kWh	×	290kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount
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842.40 JPY				458 JPY		54 JPY																		
= 7,512 JPY																								

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