

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 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)	Oct- Dec 2014 (for March 2015)	November 2014 - January 2015 (for April 2015)			
			Average	Nov 2014	Dec 2014	Jan 2015
Crude Oil (JPY/kl)	57,802	63,433	56,567	63,617	58,954	47,831
LNG (JPY/ t)	67,548	93,569	94,649	94,374	96,535	93,028
Coal (JPY/ t)	11,452	10,264	10,382	10,197	10,474	10,434
Average Fuel Price(JPY/kl)	44,200	56,600		(fixed)	(fixed)	(preliminary)

(basic fuel price)

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

Crude Oil Price	56,567 JPY/kl	×	0.1970 (α)
LNG Price	94,649 JPY/ t	×	0.4435 (β)
Coal Price	10,382 JPY/ t	×	0.2512 (γ)

+)

(Maximum unit: 100 JPY) Rounded off to the nearest 10

Average Fuel Price **55,700 JPY/kl** (compared with the previous period : - 900Y/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{1,000} - \frac{\text{Basic Fuel Price}}{1,000} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \left(\frac{55,700 \text{ ¥/kl}}{1,000} - \frac{44,200 \text{ ¥/kl}}{1,000} \right) \times \frac{0.228 \text{ JPY/kWh}}{1,000} \\
 &= 2.6220 \text{ JPY/kWh} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= 2.62 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 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: 5px;">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;">2.62 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			2.62 JPY/kWh							+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	=	8,501 JPY
19.43 JPY/kWh	×	120kWh	+	25.91 JPY/kWh	×	170kWh																														
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842.40 JPY				217 JPY		54 JPY																														

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