

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for September 2016 (Kanto Area)

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. 2016 - May 2016 (for Aug. 2016)	Apr. - Jun. 2016 (for September 2016)			
			Average	Apr. 2016	May 2016	Jun. 2016
Crude Oil (JPY/kl)	57,802	25,287	28,267	25,880	27,874	30,861
LNG (JPY/ t)	67,548	37,961	34,169	36,344	33,191	32,815
Coal (JPY/ t)	11,452	7,626	7,525	7,747	7,485	7,367
Average Fuel Price(JPY/kl)	44,200	23,700				

(detailed data) (detailed data) (preliminary data)

(basic fuel price)

Crude Oil Price	28,267 JPY/kl	×	0.1970 (α)
LNG Price	34,169 JPY/ t	×	0.4435 (β)
Coal Price	7,525 JPY/ t	×	0.2512 (γ)

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Average Fuel Price

↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: -1,100JPY/kl)

**22,600 JPY/kl**

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{<Average Fuel Price>}}{1,000} - \frac{\text{<Basic Fuel Price>}}{1,000} \right) \times \frac{\text{<Basic Unit Price>}}{1,000} \\
 &= \left( \frac{22,600 \text{JPY/kl}}{1,000} - \frac{44,200 \text{JPY/kl}}{1,000} \right) \times \frac{0.228 \text{ JPY/kWh}}{1,000} \\
 &= -4.9248 \text{JPY/kWh} \\
 &\quad \downarrow \text{(rounded off to two decimal places)} \\
 &= \boxed{-4.92 \text{JPY/kWh}}
 \end{aligned}$$

3. The calculation of the Electricity Rates for September 2016 (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 260kWh of electricity consumption per month.

Automatic bank transfer discount included.

Demand Charge	+	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Energy Charge</td> </tr> <tr> <td style="padding: 2px;">19.52 JPY/kWh</td> <td style="padding: 2px;">× 120kWh</td> </tr> <tr> <td style="padding: 2px;">26.00 JPY/kWh</td> <td style="padding: 2px;">× 140kWh</td> </tr> <tr> <td colspan="2" style="text-align: center;">+</td> </tr> <tr> <td colspan="2" 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="border: 1px dashed black; padding: 2px;">Consumption</td> </tr> <tr> <td style="border: 1px dashed black; padding: 2px;">-4.92 JPY/kWh</td> <td style="border: 1px dashed black; padding: 2px;">× 260kWh</td> </tr> </table>	Energy Charge		19.52 JPY/kWh	× 120kWh	26.00 JPY/kWh	× 140kWh	+		Fuel Cost Adjustment		Fuel Cost Adjustment Unit Price	Consumption	-4.92 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount
Energy Charge																				
19.52 JPY/kWh	× 120kWh																			
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Fuel Cost Adjustment Unit Price	Consumption																			
-4.92 JPY/kWh	× 260kWh																			
842.40 JPY				585 JPY		54 JPY														
= 6,076 JPY																				

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