

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

1. The calculation of the Average Fuel Price

Calculate the 3-month average fuel price for each fuel type (i.e. crude oil, LNG, and coal).

Multiply the average fuel prices in 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. 2015 (for Mar. 2016)	Nov. 2015 - Jan. 2016 (for April 2016)			
			Average	Nov. 2015	Dec. 2015	Jan. 2016
Crude Oil (JPY/kl)	57,802	35,244	32,480	36,213	33,570	27,838
LNG (JPY/ t)	67,548	56,185	52,827	56,679	53,706	48,288
Coal (JPY/ t)	11,452	8,866	8,748	8,928	8,823	8,485
Average Fuel Price(JPY/kl)	44,200	34,100				

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

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

Crude Oil Price	32,480 JPY/kl	×	0.1970 (α)
LNG Price	52,827 JPY/ t	×	0.4435 (β)
Coal Price	8,748 JPY/ t	×	0.2512 (γ)

+ )

↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: -2,100JPY/kl)

**Average Fuel Price**      **32,000 JPY/kl**

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{32,000 \text{ JPY / kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY / kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-2.7816 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{( rounded off to two decimal places )} \\
 &= \frac{-2.78 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 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 290kWh of electricity consumption per month.

Automatic bank transfer discount included.

Demand Charge 842.40 JPY	+	<table border="1"> <tr> <th colspan="2">Energy Charge</th> </tr> <tr> <td>19.43 JPY/kWh</td> <td>× 120kWh</td> </tr> <tr> <td>25.91 JPY/kWh</td> <td>× 170kWh</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="text-align: center;">Fuel Cost Adjustment Unit Price</td> <td style="text-align: center;">Consumption</td> </tr> <tr> <td style="text-align: center;">-2.78 JPY/kWh</td> <td style="text-align: center;">× 290kWh</td> </tr> </table>	Energy Charge		19.43 JPY/kWh	× 120kWh	25.91 JPY/kWh	× 170kWh	+		Fuel Cost Adjustment		Fuel Cost Adjustment Unit Price	Consumption	-2.78 JPY/kWh	× 290kWh	+	<table border="1"> <tr> <th>Renewable Energy Promotion Surcharge</th> </tr> <tr> <td>458 JPY</td> </tr> </table>	Renewable Energy Promotion Surcharge	458 JPY	-	<table border="1"> <tr> <th>Automated Bank Transfer Discount</th> </tr> <tr> <td>54 JPY</td> </tr> </table>	Automated Bank Transfer Discount	54 JPY
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· The calculated electricity rates above include a consumption tax and other costs.