

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for February 2018 (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)	Aug. 2017 - Oct. 2017 (for January 2018)	Sept. 2017- Nov. 2017 (for February 2018)			
			Average	Sept. 2017	Oct. 2017	Nov. 2017
Crude Oil (JPY/kl)	57,802	36,035	38,508	35,473	38,748	51,187
LNG (JPY/ t)	67,548	46,648	46,152	46,494	45,630	46,340
Coal (JPY/ t)	11,452	11,089	11,415	10,931	11,545	11,714

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

Average Fuel Price(JPY/kl)	44,200	30,600
----------------------------	--------	--------

(basic fuel price)

Crude Oil Price	38,508	JPY/kl	×	0.1970	(α)
LNG Price	46,152	JPY/ t	×	0.4435	(β)
Coal Price	11,415	JPY/ t	×	0.2512	(γ)

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

+ )

---

Average Fuel Price

30,900	JPY/kl
--------	--------

(Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: +300JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{1,000} - \frac{\text{Basic Fuel Price}}{1,000} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \left( \frac{30,900 \text{ JPY/kl}}{1,000} - \frac{44,200 \text{ JPY/kl}}{1,000} \right) \times \frac{0.228 \text{ JPY/kWh}}{1,000} \\
 &= -303.24 \text{ JPY/kWh} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= -3.03 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for February 2018 (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> <th colspan="2" style="text-align: center;">Energy Charge</th> </tr> <tr> <td style="text-align: right;">19.52 JPY/kWh</td> <td style="text-align: left;">× 120kWh</td> </tr> <tr> <td style="text-align: right;">26.00 JPY/kWh</td> <td style="text-align: left;">× 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="text-align: right;">Fuel Cost Adjustment Unit Price</td> <td style="text-align: left;">Consumption</td> </tr> <tr> <td style="text-align: right;">-3.03 JPY/kWh</td> <td style="text-align: left;">× 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	-3.03 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount
Energy Charge																				
19.52 JPY/kWh	× 120kWh																			
26.00 JPY/kWh	× 140kWh																			
+																				
Fuel Cost Adjustment																				
Fuel Cost Adjustment Unit Price	Consumption																			
-3.03 JPY/kWh	× 260kWh																			
842.40 JPY				686 JPY		54 JPY														
=																				
6,669 JPY																				

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