

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 2019 (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)	Oct. 2018 - Dec. 2018 (for Mar. 2019)	Nov. 2018- Jan. 2019 (for Apr.2019)			
			Average	Nov. 2018	Dec. 2018	Jan. 2019
Crude Oil (JPY/kl)	57,802	55,009	50,883	58,080	51,004	43,099
LNG (JPY/ t)	67,548	64,618	64,456	64,438	65,386	63,578
Coal (JPY/ t)	11,452	14,027	13,719	14,013	13,885	13,304
Average Fuel Price(JPY/kl)	44,200	43,000				

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

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

Crude Oil Price	50,883 JPY/kl	×	0.1970 (α)
LNG Price	64,456 JPY/ t	×	0.4435 (β)
Coal Price	13,719 JPY/ t	×	0.2512 (γ)

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Average Fuel Price 42,100 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: -900JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{<Average Fuel Price>}}{1,000} - \frac{\text{<Basic Fuel Price>}}{1,000} \right) \times \frac{\text{<Basic Unit Price>}}{1,000} \\
 &= \left( \frac{42,100 \text{ JPY/kl}}{1,000} - \frac{44,200 \text{ JPY/kl}}{1,000} \right) \times \frac{0.228 \text{ JPY/kWh}}{1,000} \\
 &= \frac{-0.4788 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.48 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 2019 (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	+	Energy Charge 19.52 JPY/kWh × 120kWh 26.00 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price × Consumption <span style="border: 1px dashed black; padding: 2px;">-0.48 JPY/kWh</span> × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
842.40 JPY				754 JPY		54 JPY	=
							7,400 JPY

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