

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for May 2022 (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)	Nov. 2021 - Jan. 2022 (for Apr. 2022)	Dec. 2021- Feb. 2022 (for May 2022)			
			Average	Dec. 2021	Jan. 2022	Feb. 2022
Crude Oil (JPY/kl)	57,802	58,493	59,711	59,012	57,609	62,611
LNG (JPY/ t)	67,548	83,760	87,421	84,835	82,022	95,135
Coal (JPY/ t)	11,452	21,312	21,671	21,759	20,926	22,403
Average Fuel Price(JPY/kl)	44,200	54,000				

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

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

Crude Oil Price	59,711 JPY/kl	×	0.1970 (α)
LNG Price	87,421 JPY/ t	×	0.4435 (β)
Coal Price	21,671 JPY/ t	×	0.2512 (γ)

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Average Fuel Price 56,000 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: + 2,000JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{1,000} - \frac{\text{Basic Fuel Price}}{1,000} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \left( \frac{56,000 \text{ JPY/kl}}{1,000} - \frac{44,200 \text{ JPY/kl}}{1,000} \right) \times \frac{0.232 \text{ JPY/kWh}}{1,000} \\
 &= 2.7376 \text{ JPY/kWh} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= 2.74 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for May 2022 (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 19.88 JPY/kWh × 120kWh 26.48 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price × Consumption <span style="border: 1px dashed black; padding: 2px;">2.74 JPY/kWh × 260kWh</span>	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				897 JPY		55 JPY	=
							8,505 JPY

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