

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 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)	Oct. 2021 - Dec. 2021 (for Mar. 2022)	Nov. 2021- Jan. 2022 (for April 2022)			
			Average	Nov. 2021	Dec. 2021	Jan. 2022
Crude Oil (JPY/kl)	57,802	57,421	58,493	58,862	58,991	57,578
LNG (JPY/ t)	67,548	80,422	83,760	84,450	84,863	82,022
Coal (JPY/ t)	11,452	20,400	21,312	21,321	21,768	20,875
Average Fuel Price(JPY/kl)	44,200	52,100				

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

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

Crude Oil Price	58,493 JPY/kl	×	0.1970 (α)
LNG Price	83,760 JPY/ t	×	0.4435 (β)
Coal Price	21,312 JPY/ t	×	0.2512 (γ)

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Average Fuel Price 54,000 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10  
(compared with the previous period: + 1,900JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{54,000 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{2.2736 \text{ JPY/kWh}}{\text{(rounded off to two decimal places)}} \\
 &= \boxed{2.27 \text{ JPY/kWh}}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 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;">2.27 JPY/kWh</span> × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				873 JPY		55 JPY	=
							8,359 JPY

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