

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for May 2021 (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. 2020 - Jan. 2021 (for Apr. 2021)	Dec. 2020- Feb. 2021 (for May 2021)			
			Average	Dec. 2020	Jan. 2021	Feb. 2021
Crude Oil (JPY/kl)	57,802	29,898	32,588	29,163	32,646	36,644
LNG (JPY/ t)	67,548	40,066	44,965	38,640	45,391	50,592
Coal (JPY/ t)	11,452	7,923	8,485	7,783	8,425	9,213
Average Fuel Price(JPY/kl)	44,200	25,600				

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

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

Crude Oil Price	32,588 JPY/kl	×	0.1970 (α)
LNG Price	44,965 JPY/ t	×	0.4435 (β)
Coal Price	8,485 JPY/ t	×	0.2512 (γ)

+)

Average Fuel Price

↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10
(compared with the previous period: +2,900JPY/kl)

28,500 JPY/kl

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{28,500 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-3.6424 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-3.64 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for May 2021 (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	+	<p style="text-align: center;">Energy Charge</p> <p>19.88 JPY/kWh × 120kWh</p> <p>26.48 JPY/kWh × 140kWh</p> <p style="text-align: center;">+</p> <p style="text-align: center;">Fuel Cost Adjustment</p> <p style="border: 1px dashed black; padding: 2px;">Fuel Cost Adjustment Unit Price × Consumption</p> <p style="border: 1px dashed black; padding: 2px;">-3.64 JPY/kWh × 260kWh</p>	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				873 JPY		55 JPY	=
							6,822 JPY

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