

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for July 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)	Jan. 2021 - Mar. 2021 (for Jun. 2021)	Feb. 2021- Apr. 2021 (for July 2021)			
			Average	Feb. 2021	Mar. 2021	Apr. 2021
Crude Oil (JPY/kl)	57,802	36,942	41,477	36,685	41,525	45,663
LNG (JPY/ t)	67,548	46,064	45,799	50,592	41,712	43,882
Coal (JPY/ t)	11,452	9,128	9,909	9,218	9,925	10,771
Average Fuel Price(JPY/kl)	44,200	30,000				

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

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

Crude Oil Price	41,477 JPY/kl	×	0.1970 (α)
LNG Price	45,799 JPY/ t	×	0.4435 (β)
Coal Price	9,909 JPY/ t	×	0.2512 (γ)

+)

Average Fuel Price 31,000 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: +1,000JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{31,000 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-3.0624 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-3.06 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for July 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: 5px;">Fuel Cost Adjustment Unit Price × Consumption</p> <p style="border: 1px dashed black; padding: 5px;">-3.06 JPY/kWh × 260kWh</p>	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				873 JPY		55 JPY	=
							6,973 JPY

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