

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for March 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)	Sep. 2021 - Nov. 2021 (for Feb. 2022)	Oct. 2021- Dec. 2021 (for March 2022)			
			Average	Oct. 2021	Nov. 2021	Dec. 2021
Crude Oil (JPY/kl)	57,802	54,537	57,421	53,868	58,862	58,991
LNG (JPY/ t)	67,548	71,952	80,422	68,567	84,450	84,863
Coal (JPY/ t)	11,452	18,785	20,400	18,101	21,321	21,768
Average Fuel Price(JPY/kl)	44,200	47,400				

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

  

	Crude Oil Price <span style="border: 1px solid black; padding: 2px;">57,421</span> JPY/kl	×	0.1970		(α)
	LNG Price <span style="border: 1px solid black; padding: 2px;">80,422</span> JPY/ t	×	0.4435		(β)
+ )	Coal Price <span style="border: 1px solid black; padding: 2px;">20,400</span> JPY/ t	×	0.2512		(γ)
↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10					
<b>Average Fuel Price</b>	<span style="border: 1px solid black; padding: 2px;">52,100</span> JPY/kl				

(compared with the previous period: + 4,700JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{1,000} - \frac{\text{Basic Fuel Price}}{1,000} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \left( \frac{52,100 \text{ JPY/kl}}{1,000} - \frac{44,200 \text{ JPY/kl}}{1,000} \right) \times \frac{0.232 \text{ JPY/kWh}}{1,000} \\
 &= \frac{1.8328 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{1.83 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for March 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 858.00 JPY	+	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Energy Charge</td> </tr> <tr> <td style="text-align: center;">19.88 JPY/kWh</td> <td style="text-align: center;">× 120kWh</td> </tr> <tr> <td style="text-align: center;">26.48 JPY/kWh</td> <td style="text-align: center;">× 140kWh</td> </tr> <tr> <td colspan="2" style="text-align: center;">+</td> </tr> <tr> <td colspan="2" style="text-align: center;">Fuel Cost Adjustment</td> </tr> <tr> <td style="text-align: center;">Fuel Cost Adjustment Unit Price</td> <td style="text-align: center;">Consumption</td> </tr> <tr> <td style="text-align: center;"><span style="border: 1px solid black; padding: 2px;">1.83 JPY/kWh</span></td> <td style="text-align: center;">× 260kWh</td> </tr> </table>	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 solid black; padding: 2px;">1.83 JPY/kWh</span>	× 260kWh	+	Renewable Energy Promotion Surcharge 873 JPY	-	Automated Bank Transfer Discount 55 JPY		=	8,244 JPY
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• The calculated electricity rates above include a consumption tax and other costs.