

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for February 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)	Aug. 2021 - Oct. 2021 (for Jan. 2022)	Sep. 2021- Nov. 2021 (for February 2022)			
			Average	Sep. 2021	Oct. 2021	Nov. 2021
Crude Oil (JPY/kl)	57,802	51,870	54,537	51,044	53,868	58,825
LNG (JPY/ t)	67,548	61,936	71,952	61,242	68,567	84,506
Coal (JPY/ t)	11,452	16,693	18,785	16,777	18,101	21,357
Average Fuel Price(JPY/kl)	44,200	41,900				

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

	<div style="border: 1px solid black; padding: 2px;">54,537</div> JPY/kl	×	0.1970		(α)
Crude Oil Price					
LNG Price	<div style="border: 1px solid black; padding: 2px;">71,952</div> JPY/ t	×	0.4435		(β)
Coal Price	<div style="border: 1px solid black; padding: 2px;">18,785</div> JPY/ t	×	0.2512		(γ)
+)					
Average Fuel Price			<div style="border: 1px solid black; padding: 2px;">47,400</div> JPY/kl		

(Maximum unit: 100 JPY) Rounded off to the nearest 10
 (compared with the previous period: + 5,500JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{47,400 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{0.7424 \text{ JPY/kWh}}{\text{rounded off to two decimal places}} \\
 &= \boxed{0.74 \text{ JPY/kWh}}
 \end{aligned}$$

3. The calculation of the Electricity Rates for February 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: right;">19.88 JPY/kWh</td> <td style="text-align: left;">× 120kWh</td> </tr> <tr> <td style="text-align: right;">26.48 JPY/kWh</td> <td style="text-align: left;">× 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: right;">Fuel Cost Adjustment Unit Price <div style="border: 1px solid black; padding: 2px;">0.74 JPY/kWh</div></td> <td style="text-align: left;">Consumption × 260kWh</td> </tr> </table>	Energy Charge		19.88 JPY/kWh	× 120kWh	26.48 JPY/kWh	× 140kWh	+		Fuel Cost Adjustment		Fuel Cost Adjustment Unit Price <div style="border: 1px solid black; padding: 2px;">0.74 JPY/kWh</div>	Consumption × 260kWh	+	Renewable Energy Promotion Surcharge 873 JPY	-	Automated Bank Transfer Discount 55 JPY
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						=	7,961 JPY											

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