

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for August 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)	Feb. 2022 -Apr. 2022 (for Jul. 2022)	Mar. 2022- May 2022 (for Aug. 2022)			
			Average	Mar. 2022	Apr. 2022	May 2022
Crude Oil (JPY/kl)	57,802	71,321	79,338	66,928	83,567	87,603
LNG (JPY/ t)	67,548	93,914	96,853	87,497	99,967	104,406
Coal (JPY/ t)	11,452	25,443	30,427	23,800	30,878	38,249
Average Fuel Price(JPY/kl)	44,200	62,100		(detailed data)	(detailed data)	(preliminary data)

					< Conversion Factor > Crude Oil Conversion Factor × Caloric Component Ratio	
Crude Oil Price	79,338 JPY/kl	×	0.1970	(α)		
LNG Price	96,853 JPY/ t	×	0.4435	(β)		
Coal Price	30,427 JPY/ t	×	0.2512	(γ)		
+)						
Average Fuel Price	66,200 JPY/kl				(Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: + 4,100 JPY/kl)	

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{66,200 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{5.1040 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \boxed{5.10 \text{ JPY/kWh}}
 \end{aligned}$$

3. The calculation of the Electricity Rates for August 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	+	<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="text-align: center;">Energy Charge</th> </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</td> <td style="text-align: left;">Consumption</td> </tr> <tr> <td style="text-align: right;">5.10 JPY/kWh</td> <td style="text-align: left;">× 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	5.10 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	=	9,118 JPY
Energy Charge																						
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858.00 JPY				897 JPY		55 JPY																

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