

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for June 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)	Dec. 2020 - Feb. 2021 (for May 2021)	Jan. 2021- Mar. 2021 (for June 2021)			
			Average	Jan. 2021	Feb. 2021	Mar. 2021
Crude Oil (JPY/kl)	57,802	32,588	36,942	32,646	36,685	41,503
LNG (JPY/ t)	67,548	44,965	46,064	45,391	50,592	41,699
Coal (JPY/ t)	11,452	8,485	9,128	8,425	9,218	9,905
Average Fuel Price(JPY/kl)	44,200	28,500		(detailed data)	(detailed data)	(preliminary data)

				< Conversion Factor >	
				Crude Oil Conversion Factor	
				× Caloric Component Ratio	
Crude Oil Price	36,942 JPY/kl	×	0.1970	(α)	
LNG Price	46,064 JPY/ t	×	0.4435	(β)	
Coal Price	9,128 JPY/ t	×	0.2512	(γ)	
+)					
Average Fuel Price			30,000 JPY/kl	(Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: +1,500JPY/kl)	

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{1,000} - \frac{\text{Basic Fuel Price}}{1,000} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \left(\frac{30,000 \text{ JPY/kl}}{1,000} - \frac{44,200 \text{ JPY/kl}}{1,000} \right) \times \frac{0.232 \text{ JPY/kWh}}{1,000} \\
 &= -3.2944 \text{ JPY/kWh} \\
 &\quad \downarrow \text{(rounded off to two decimal places)} \\
 &= -3.29 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for June 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	+	<table border="0" style="width: 100%;"> <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</td> <td style="text-align: left;">Consumption</td> </tr> <tr> <td style="text-align: right;">-3.29 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	-3.29 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	=	6,913 JPY
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858.00 JPY				873 JPY		55 JPY																

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