

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 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)	Oct. 2020 - Dec. 2020 (for Mar. 2021)	Nov. 2020- Jan. 2021 (for Apr. 2021)			
			Average	Nov. 2020	Dec. 2020	Jan. 2021
Crude Oil (JPY/kl)	57,802	28,869	29,898	27,857	29,123	32,625
LNG (JPY/ t)	67,548	35,331	40,066	34,777	38,640	45,382
Coal (JPY/ t)	11,452	7,588	7,923	7,492	7,755	8,400
Average Fuel Price(JPY/kl)	44,200	23,300				

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

  

	Crude Oil Price	29,898	JPY/kl	×	0.1970	(α)
	LNG Price	40,066	JPY/ t	×	0.4435	(β)
+ )	Coal Price	7,923	JPY/ t	×	0.2512	(γ)

(Maximum unit: 100 JPY) Rounded off to the nearest 10

**Average Fuel Price**      **25,600 JPY/kl**      (compared with the previous period: +2,300JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{25,600 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-4.3152 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \boxed{-4.32 \text{ JPY/kWh}}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 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 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</td> <td style="text-align: left;">Consumption</td> </tr> <tr> <td style="text-align: right;">-4.32 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	-4.32 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge 774 JPY	-	Automated Bank Transfer Discount 55 JPY
Energy Charge																				
19.88 JPY/kWh	× 120kWh																			
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Fuel Cost Adjustment Unit Price	Consumption																			
-4.32 JPY/kWh	× 260kWh																			
						= 6,546 JPY														

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