

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for June 2020 (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. 2019 - Feb. 2020 (for May 2020)	Jan. 2020- Mar. 2020 (for Jun. 2020)			
			Average	Jan. 2020	Feb. 2020	Mar. 2020
Crude Oil (JPY/kl)	57,802	47,558	46,335	48,354	48,648	42,437
LNG (JPY/ t)	67,548	52,907	52,922	52,514	52,910	53,358
Coal (JPY/ t)	11,452	10,147	9,931	10,212	10,051	9,547
Average Fuel Price(JPY/kl)	44,200	35,400		(detailed data)	(detailed data)	(preliminary data)

	↓					
Crude Oil Price	46,335	JPY/kl	×	0.1970	(α)	
LNG Price	52,922	JPY/ t	×	0.4435	(β)	
Coal Price	9,931	JPY/ t	×	0.2512	(γ)	
+)						
Average Fuel Price	35,100	JPY/kl		(Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: -300JPY/kl)		

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{35,100 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-2.1112 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-2.11 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for June 2020 (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 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="border: 1px dashed black; text-align: right;">-2.11 JPY/kWh</td> <td style="border: 1px dashed black; 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	-2.11 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
Energy Charge																					
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Fuel Cost Adjustment Unit Price	Consumption																				
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858.00 JPY				774 JPY		55 JPY															
=							7,121 JPY														

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