

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for March 2019 (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)	Sep. 2018 - Nov. 2018 (for Feb. 2019)	Oct. 2018- Dec. 2018 (for March 2019)			
			Average	Oct. 2018	Nov. 2018	Dec. 2018
Crude Oil (JPY/kl)	57,802	55,943	55,009	56,234	58,080	51,004
LNG (JPY/ t)	67,548	63,311	64,618	63,941	64,438	65,386
Coal (JPY/ t)	11,452	14,012	14,027	14,180	14,013	13,885
Average Fuel Price(JPY/kl)	44,200	42,600				

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

	Crude Oil Price 55,009 JPY/kl	×	0.1970		(α)
	LNG Price 64,618 JPY/ t	×	0.4435		(β)
+)	Coal Price 14,027 JPY/ t	×	0.2512		(γ)
↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10					
Average Fuel Price		43,000 JPY/kl	(compared with the previous period: +400JPY/kl)		

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{43,000 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-27.36 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.27 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for March 2019 (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 842.40 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: center;">19.52 JPY/kWh</td> <td style="text-align: center;">× 120kWh</td> </tr> <tr> <td style="text-align: center;">26.00 JPY/kWh</td> <td style="text-align: center;">× 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: center;">Fuel Cost Adjustment Unit Price</td> <td style="text-align: center;">Consumption</td> </tr> <tr> <td style="text-align: center;">-0.27 JPY/kWh</td> <td style="text-align: center;">× 260kWh</td> </tr> </table>	Energy Charge		19.52 JPY/kWh	× 120kWh	26.00 JPY/kWh	× 140kWh	+		Fuel Cost Adjustment		Fuel Cost Adjustment Unit Price	Consumption	-0.27 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge 754 JPY	-	Automated Bank Transfer Discount 54 JPY		=	7,454 JPY
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• The calculated electricity rates above include a consumption tax and other costs.