

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for February 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)	aug. 2018 - oct. 2018 (for Jan. 2019)	Sep. 2018- Nov. 2018 (for February 2019)			
			Average	Sep. 2018	Oct. 2018	Nov. 2018
Crude Oil (JPY/kl)	57,802	54,386	55,943	53,151	56,234	58,101
LNG (JPY/ t)	67,548	61,243	63,311	61,515	63,941	64,438
Coal (JPY/ t)	11,452	13,826	14,012	13,849	14,180	14,008
Average Fuel Price(JPY/kl)	44,200	41,300				

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

< Conversion Factor >
Crude Oil Conversion Factor
× Caloric Component Ratio

Crude Oil Price	55,943 JPY/kl	×	0.1970 (α)
LNG Price	63,311 JPY/ t	×	0.4435 (β)
Coal Price	14,012 JPY/ t	×	0.2512 (γ)

+)

Average Fuel Price 42,600 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10
(compared with the previous period: +1,300JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{42,600 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-36.48 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.36 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for February 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	+	Energy Charge 19.52 JPY/kWh × 120kWh 26.00 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price: -0.36 JPY/kWh × Consumption: 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
842.40 JPY				754 JPY		54 JPY	=
							7,431 JPY

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