

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for October 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)	Apr. 2020 - Jun. 2020 (for Sep. 2020)	May 2020- Jul. 2020 (for Oct. 2020)			
			Average	May 2020	Jun. 2020	Jul. 2020
Crude Oil (JPY/kl)	57,802	21,912	18,704	16,810	16,644	22,055
LNG (JPY/ t)	67,548	50,516	46,047	52,488	46,912	40,407
Coal (JPY/ t)	11,452	8,904	8,359	8,621	8,437	8,076
Average Fuel Price(JPY/kl)	44,200	29,000				

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

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

Crude Oil Price	18,704 JPY/kl	×	0.1970 (α)
LNG Price	46,047 JPY/ t	×	0.4435 (β)
Coal Price	8,359 JPY/ t	×	0.2512 (γ)

+)

Average Fuel Price 26,200 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: -2,800JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{26,200 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-4.1760 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-4.18 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for October 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	+	Energy Charge 19.88 JPY/kWh × 120kWh 26.48 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price × Consumption -4.18 JPY/kWh × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				774 JPY		55 JPY	=
							6,583 JPY

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