

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for November 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)	May 2020 - Jul. 2020 (for Oct. 2020)	Jun. 2020- Aug. 2020 (for Nov. 2020)			
			Average	Jun. 2020	Jul. 2020	Aug. 2020
Crude Oil (JPY/kl)	57,802	18,704	22,751	16,644	22,110	28,978
LNG (JPY/ t)	67,548	46,047	39,770	46,912	40,400	32,686
Coal (JPY/ t)	11,452	8,359	8,123	8,437	8,082	7,842
Average Fuel Price(JPY/kl)	44,200	26,200				

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

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

Crude Oil Price	22,751 JPY/kl	×	0.1970 (α)
LNG Price	39,770 JPY/ t	×	0.4435 (β)
Coal Price	8,123 JPY/ t	×	0.2512 (γ)

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Average Fuel Price 24,200 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: -2,000JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{44,200 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-4.6400 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-4.64 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for November 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 -4.64 JPY/kWh × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				774 JPY		55 JPY	=
							6,463 JPY

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