

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for November 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)	May 2019 - Jul. 2019 (for Oct. 2019)	Jun. 2019- Aug. 2019 (for Nov. 2019)			
			Average	Jun. 2019	Jul. 2019	Aug. 2019
Crude Oil (JPY/kl)	57,802	48,847	46,865	50,139	45,731	45,420
LNG (JPY/ t)	67,548	53,433	54,068	52,759	53,262	56,083
Coal (JPY/ t)	11,452	12,038	11,680	12,311	11,501	11,320
Average Fuel Price(JPY/kl)	44,200	36,300				

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

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

Crude Oil Price	46,865 JPY/kl	×	0.1970 (α)
LNG Price	54,068 JPY/ t	×	0.4435 (β)
Coal Price	11,680 JPY/ t	×	0.2512 (γ)

+)

Average Fuel Price 36,100 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: -200JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{1,000} - \text{Basic Fuel Price} \right) \times \text{Basic Unit Price} \\
 &= \left(\frac{36,100 \text{ JPY/kl}}{1,000} - 44,200 \text{ JPY/kl} \right) \times 0.232 \text{ JPY/kWh} \\
 &= -1.8792 \text{ JPY/kWh} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= -1.88 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for November 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 19.88 JPY/kWh × 120kWh 26.48 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price × Consumption -1.88 JPY/kWh × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				767 JPY		55 JPY	=
							7,174 JPY

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