

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for November 2021 (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 2021 - Jul. 2021 (for Oct. 2021)	Jun. 2021- Aug. 2021 (for November 2021)			
			Average	Jun. 2021	Jul. 2021	Aug. 2021
Crude Oil (JPY/kl)	57,802	47,569	49,665	47,604	49,902	50,982
LNG (JPY/ t)	67,548	51,725	54,979	51,454	55,521	57,640
Coal (JPY/ t)	11,452	12,460	13,838	12,290	13,460	15,276
Average Fuel Price(JPY/kl)	44,200	35,400				

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

	< Conversion Factor > Crude Oil Conversion Factor × Caloric Component Ratio
Crude Oil Price	49,665 JPY/kl × 0.1970 (α)
LNG Price	54,979 JPY/ t × 0.4435 (β)
Coal Price	13,838 JPY/ t × 0.2512 (γ)
+)	
Average Fuel Price	37,600 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period: + 2,200JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{37,600 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-1.5312 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= -1.53 \text{ JPY/kWh}
 \end{aligned}$$

3. The calculation of the Electricity Rates for November 2021 (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 -1.53 JPY/kWh × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				873 JPY		55 JPY	=
							7,371 JPY

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