

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for January 2022 (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)	Jul. 2021 - Sep. 2021 (for Dec. 2021)	Aug. 2021- Oct. 2021 (for January 2022)			
			Average	Aug. 2021	Sep. 2021	Oct. 2021
Crude Oil (JPY/kl)	57,802	50,678	51,870	50,997	51,044	53,824
LNG (JPY/ t)	67,548	58,003	61,936	57,660	61,242	68,567
Coal (JPY/ t)	11,452	15,185	16,693	15,292	16,777	18,076
Average Fuel Price(JPY/kl)	44,200	39,500				

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

	↓				
Crude Oil Price	51,870	JPY/kl	×	0.1970	(α)
LNG Price	61,936	JPY/ t	×	0.4435	(β)
Coal Price	16,693	JPY/ t	×	0.2512	(γ)
+)					
Average Fuel Price	41,900	JPY/kl			

(Maximum unit: 100 JPY) Rounded off to the nearest 10
(compared with the previous period: + 2,400JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{41,900 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-0.5336 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-0.53 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for January 2022 (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 -0.53 JPY/kWh × 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
858.00 JPY				873 JPY		55 JPY	=
							7,631 JPY

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