

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for December 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)	Jun. 2021 - Aug. 2021 (for Nov. 2021)	Jul. 2021- Sep. 2021 (for December 2021)			
			Average	Jul. 2021	Aug. 2021	Sep. 2021
Crude Oil (JPY/kl)	57,802	49,665	50,678	49,902	50,997	51,009
LNG (JPY/ t)	67,548	54,979	58,003	55,521	57,660	61,242
Coal (JPY/ t)	11,452	13,838	15,185	13,460	15,292	16,766
Average Fuel Price(JPY/kl)	44,200	37,600				

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

  

	Crude Oil Price <span style="border: 1px solid black; padding: 2px;">50,678</span> JPY/kl	×	0.1970	(α)
	LNG Price <span style="border: 1px solid black; padding: 2px;">58,003</span> JPY/ t	×	0.4435	(β)
+ )	Coal Price <span style="border: 1px solid black; padding: 2px;">15,185</span> JPY/ t	×	0.2512	(γ)
↓ (Maximum unit: 100 JPY) Rounded off to the nearest 10				
<b>Average Fuel Price</b>	<span style="border: 2px solid black; padding: 5px;">39,500</span> JPY/kl	(compared with the previous period: + 1,900JPY/kl)		

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left( \frac{\text{Average Fuel Price}}{39,500 \text{ JPY/kl}} - \frac{\text{Basic Fuel Price}}{44,200 \text{ JPY/kl}} \right) \times \frac{\text{Basic Unit Price}}{1,000} \\
 &= \frac{-1.0904 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-1.09 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for December 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: <span style="border: 1px solid black; padding: 2px;">-1.09 JPY/kWh</span> × Consumption: 260kWh		Renewable Energy Promotion Surcharge		Automated Bank Transfer Discount
858.00 JPY	+		+	873 JPY	-	55 JPY
= 7,485 JPY						

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