

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 2023 (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)	Oct. 2022 - Dec. 2022 (for Mar. 2023)	Nov. 2022 - Jan. 2023 (for Apr. 2023)			
			Average	Nov. 2022	Dec. 2022	Jan. 2023
Crude Oil (JPY/kl)	57,802	90,114	82,572	92,419	82,443	73,234
LNG (JPY/t)	67,548	141,672	132,509	135,455	134,864	128,023
Coal (JPY/t)	11,452	55,946	53,189	59,180	52,559	49,045
Average Fuel Price (JPY/kl)	44,200	94,600		(detailed data)	(detailed data)	(preliminary data)

	(Basic Fuel Price)				
Crude Oil Price		82,572 JPY/kl	×	0.1970	(α)
LNG Price		132,509 JPY/t	×	0.4435	(β)
+) Coal Price		53,189 JPY/t	×	0.2512	(γ)
		↓			
Average Fuel Price		88,400 JPY/kl	(Maximum unit: 100 JPY) Rounded off to the nearest 10 (compared with the previous period : ▲6,200JPY/kl)		

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

- ① Subtract the basic fuel price from the average fuel price and then multiply the result by the basic unit price to calculate the basic fuel cost adjustment unit price.
- ② Subtract the fuel cost adjustment unit price resulting from special measures from the basic fuel cost adjustment unit price to calculate the fuel cost adjustment unit price.

(1) Contracts for which specified retail supply agreements apply

$$\begin{aligned}
 \text{Basic Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{1,000} - \text{Basic Fuel Price} \right) \times \text{Basic Unit Price} \\
 &= \left(\frac{66,300 \text{ JPY/kl}}{1,000} - 44,200 \text{ JPY/kl} \right) \times 0.232 \text{ JPY/kWh} \\
 &= 5.1272 \text{ JPY/kWh} \\
 &\quad \downarrow \text{(rounded off to two decimal places)} \\
 \text{Fuel Cost Adjustment Unit Price} &= 5.13 \text{ JPY/kWh} - 7.00 \text{ JPY/kWh} \\
 &= -1.87 \text{ JPY/kWh}
 \end{aligned}$$

Unit price discount as a nationwide measure for mitigating sharp fluctuations in electricity rates

* Calculated based on the average fuel price of 66,300 yen/kl because the average fuel price exceeded the maximum price (66,300 yen/kl)

(2) Contracts for which electricity supply/demand agreements (low voltage) apply

$$\begin{aligned}
 \text{Basic Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{Average Fuel Price}}{1,000} - \text{Basic Fuel Price} \right) \times \text{Basic Unit Price} \\
 &= \left(\frac{88,400 \text{ JPY/kl}}{1,000} - 44,200 \text{ JPY/kl} \right) \times 0.232 \text{ JPY/kWh} \\
 &= 10.2544 \text{ JPY/kWh} \\
 &\quad \downarrow \text{(rounded off to two decimal places)} \\
 \text{Fuel Cost Adjustment Unit Price} &= 10.25 \text{ JPY/kWh} - 7.00 \text{ JPY/kWh} \\
 &= 3.25 \text{ JPY/kWh}
 \end{aligned}$$

Unit price discount as a nationwide measure for mitigating sharp fluctuations in electricity rates

* For customers who have signed up for the Renewable Energy Credit Plan, the fuel cost adjustment unit price does not include the unit price discount since the billing amount is already discounted based on the amount of electricity used.

3. The calculation of the Electricity Rates for April 2023 (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	+	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Energy Charge</td> <td style="width: 50%;"></td> </tr> <tr> <td>19.91 JPY/kWh × 120kWh</td> <td></td> </tr> <tr> <td>26.51 JPY/kWh × 140kWh</td> <td></td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> </tr> <tr> <td style="border: 1px dashed black; padding: 2px;">Fuel Cost Adjustment</td> <td></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">- 1.87 JPY/kWh</td> <td style="border: 1px solid black; padding: 2px;">× 260kWh</td> </tr> </table>	Energy Charge		19.91 JPY/kWh × 120kWh		26.51 JPY/kWh × 140kWh		+		Fuel Cost Adjustment		- 1.87 JPY/kWh	× 260kWh	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount	
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885.72 JPY			897 JPY		55 JPY		= 7,342 JPY												

* The calculated electricity rate above includes a consumption tax and other costs.

* Includes electricity consumption discount of [Used electricity volume] x 7.00 JPY/kWh as a nationwide measure for mitigating sharp fluctuations in electricity rates.

* Effective April 1, 2023, revisions will be made to reflect fluctuations in consigned transmission rates on April 1, 2023 and October 1, 2021.