

The Calculation of the Fuel Cost Adjustment Unit Price and the Electricity Rates for April 2017 (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. 2016 - Dec. 2016 (for Mar. 2017)	Nov. 2016- Jan. 2017 (for April 2017)			
			Average	Nov. 2016	Dec. 2016	Jan. 2017
Crude Oil (JPY/kl)	57,802	31,767	34,876	32,415	33,184	39,043
LNG (JPY/ t)	67,548	40,564	42,648	39,926	42,836	44,951
Coal (JPY/ t)	11,452	8,917	10,092	8,906	10,247	11,088

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

Average Fuel Price(JPY/kl)	44,200	26,500
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(basic fuel price)

Crude Oil Price	34,876	JPY/kl	×	0.1970	(α)
LNG Price	42,648	JPY/ t	×	0.4435	(β)
Coal Price	10,092	JPY/ t	×	0.2512	(γ)

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

Average Fuel Price 28,300 JPY/kl (Maximum unit: 100 JPY) Rounded off to the nearest 10
(compared with the previous period: +1800JPY/kl)

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

$$\begin{aligned}
 \text{Fuel Cost Adjustment Unit Price} &= \left(\frac{\text{<Average Fuel Price>}}{1,000} - \frac{\text{<Basic Fuel Price>}}{1,000} \right) \times \frac{\text{<Basic Unit Price>}}{1,000} \\
 &= \frac{-362.52 \text{ JPY/kWh}}{1,000} \\
 &\downarrow \text{(rounded off to two decimal places)} \\
 &= \frac{-3.63 \text{ JPY/kWh}}{1,000}
 \end{aligned}$$

3. The calculation of the Electricity Rates for April 2017 (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	+	Renewable Energy Promotion Surcharge	-	Automated Bank Transfer Discount		
842.40 JPY		19.52 JPY/kWh × 120kWh 26.00 JPY/kWh × 140kWh + Fuel Cost Adjustment Fuel Cost Adjustment Unit Price × Consumption -3.63 JPY/kWh × 260kWh		585 JPY		54 JPY		
							=	6,412 JPY

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