

【Reference】 Calculation of Fuel Cost Adjusted Unit Price and Electricity Fees for July 2012 based on the electricity supply provisions applied on May 11, 2012

1 . Average Fuel Price Calculation

Calculate a 3-month average fuel prices by fuel types (crude oil, LNG, and coal).  
Calculate average fuel price using above three figures and conversion factor.

(trade statistics prices published by Ministry of Finance Japan)

|                             | Jan.-Mar., 2012<br>(Rate Revision Applied) | Feb.-Apr.2012 ( for Jul. 2012 ) |   |         |         |
|-----------------------------|--|---------------------------------|---|---------|---------|
|                             |  | Average                         | Feb.  | Mar.    | Apr.    |
| Crude Oil (JPY/kl)          | 57,802                                     | 61,362                          | 56,439  | 61,896  | 65,774  |
| LNG (JPY/ t )               | 67,548                                     | 68,965                          | 65,552  | 70,147  | 71,364  |
| Coal (JPY/ t )              | 11,452                                     | 11,542                          | 11,064  | 11,818  | 11,761  |
|                             |  |                                 | (fixed)   | (fixed) | (flash) |
| Average Fuel Price(JPY/kl)  | 44,300                                     |                                 |   |         |         |
|                             | (standard fuel price)                      |                                 |   |         |         |
|                             |  |                                 | < Conversion Factor ><br>Crude Oil Conversion Factor<br>× Caloric Component Ratio |         |         |
| Crude Oil Price             | 61,362 JPY/kl                              | ×                               | 0.1989  | ( )     |         |
| L N G Price                 | 68,965 JPY/ t                              | ×                               | 0.4425  | ( )     |         |
| Coal Price                  | 11,542 JPY/ t                              | ×                               | 0.2506  | ( )     |         |
| + )                         |  |                                 |   |         |         |
| ↓( rounded off to 100 JPY ) |  |                                 |   |         |         |
| <b>Average Fuel Price</b>   | <b>45,600 JPY/kl</b>                       |                                 |   |         |         |

2 . Fuel Cost Adjusted Unit Price Calculation ( Low-Voltage Supply )

$$\begin{aligned}
 \text{Fuel Cost Adjusted Unit Price} &= ( \text{Average Fuel Price} - \text{Standard Fuel Price} ) \times \frac{\text{Standard Unit Price}}{1,000} \\
 &= ( 45,600\text{JPY/kl} - 44,300\text{JPY/kl} ) \times \frac{0.222\text{JPY/kWh}}{1,000} \\
 &= 0.2886\text{JPY/kWh} \\
 &\downarrow \text{( rounded off to the hundredth )} \\
 &= \boxed{0.29\text{JPY/kWh}}
 \end{aligned}$$

3 . Electricity Fees Calculation for July 2012 ( averaged model )

In case of 30A of meter-rate lighting B and 290kWh of electricity consumption per month.

The Solar Surcharge and a reduction by automatic bank transfer discount included.

|               |  |                 |                                  |
|---------------|--|-----------------|----------------------------------|
| Demand Charge | Energy Charge  | Solar Surcharge | Automatic Bank Transfer Discount |
| 819.00JPY     | 19.16JPY/kWh × 120kWh<br>25.71JPY/kWh × 170kWh<br>+<br>Fuel Cost Adjustment Amount<br>Fuel Cost Adjusted Unit Price × Monthly Energy Consumption<br>0.29JPY/kWh × 290kWh | 17JPY           | - 52.50JPY                       |
| = 7,537JPY    |  |                 |                                  |

Consumption Tax, etc. included

END