

January 27, 2017

## Electricity Supply & Demand Report for December 2016

### 1. Electricity Demand (See Table 1)

Electric power sold in December increased from a year ago to 6,500 GWh, which was 102.3% compared to the same period of the previous year. An increase in heating demand caused by an extended period of low temperatures in November pushed up the electricity demand.

The details are as follows:

#### – Lighting (Residential)

Thanks to an increase in heat demand caused by an extended period of low temperatures in November, power demand in the lighting (residential) sector was 106.2% compared to the same period of the previous year.

#### – Power

Owing to an increase in heating demand in November, power demand in the power sector was 100.3% compared to the same period of the previous year.

(Table 1)

(Unit: GWh)

Segments	Actual GWh, Current month (A)	Actual GWh, Same month last year (B)	Year-to-year (%) (A/B)
Lighting (Residential)	2,285	2,152	106.2
Power	4,214	4,200	100.3
Total of electricity sales	6,500	6,352	102.3

## **2. Electricity Supply (See Table 2)**

Our generated and purchased power in December totaled 7,470 GWh, which was 99.9% compared to the same period of the previous year.

(Power generated by our own hydro power stations)

Our water flow rate in December was higher-than-normal 101.9%, nevertheless it lowered that of the same period of previous year by 16.5%. As a result, our hydro power generated output totaled 661 GWh, a decrease of 98 GWh from the previous year.

(Power generated by our own thermal power stations)

Due to differences in operational conditions and other factors, our thermal power generated output was down to 4,606 GWh, a decrease of 698 GWh from the previous year.

(Power generated by our own nuclear power stations)

All units of the Onagawa Nuclear Power Station and unit 1 of the Higashidori Nuclear Power Station have been shut down because of a regular inspection; therefore, there was no generated output from our nuclear power stations.

(Power generated by our own facilities using renewables and new energy)

Owing to differences in operational conditions in geothermal power stations and other factors, generated output of renewables and new energy was 78 GWh, a decrease of 10 GWh from the previous year.

(Power purchased from other companies)

Due to differences in operational conditions in other companies' thermal power stations and other factors, power purchased from other companies was 2,347 GWh, an increase of 354 GWh from the previous year.

(Table 2)

## Summary of power supply for December 2016

(Unit: GWh)

Segments		Actual GWh, Current month (A)	Actual GWh, Same month last year (B)	Difference (A-B)	Year-to-year (%) (A/B)	
Power generated by our own stations	Hydroelectric	Natural inflow	620	735	(115)	84.4
		Reservoir/Pumped storage	41	24	17	165.5
		Subtotal	661	759	(98)	87.0
	Thermal	4,606	5,304	(698)	86.8	
	Nuclear	0	0	0	-	
	Renewables	78	88	(10)	89.7	
	Subtotal	5,345	6,151	(806)	86.9	
Power purchased from other companies		2,347*	1,993	354*	117.7*	
Interchanged power		(219)*	(663)	444*	33.0*	
Pumping-up power		(3)	(2)	(1)	107.9	
Total		7,470*	7,479	(9)*	99.9*	
Water flow rate		101.9	118.4	(16.5)	-	

\*Including projected power supply for imbalances of new power companies.