

February 29, 2016

## **Electricity Supply & Demand Report for January 2016**

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

Electric power sold in January declined from a year ago to 7,249 GWh, which was 91.9% compared with the same period of the previous year, despite a continuous demand from post-quake projects. This was mainly because of a decrease in heating demand due to extended periods of higher-than-normal temperatures and a shorter period of meter reading.

The details are as follows:

#### **– Non-Specified Scale Demand (excluding deregulated customers)**

Power demand in the lighting (residential) sector was 88.9% compared to the same period of the previous year due to a decreased heating demand caused by extended periods of higher-than-normal temperatures and a shorter period of meter reading, even with a continuous demand from post-quake projects. The total of non-specified scale demand was 87.0% compared to the same period of the previous year.

#### **– Specified-Scale Demand (deregulated customers)**

Despite a rebound in demand, electric power sold for commercial use was 93.1% of the same period of the previous year due to a decreased heating demand caused by extended periods of higher-than-normal temperatures. Overall power demand in the specified-scale sectors totaled 96.0% compared to the same period of the previous year.

In relation to the industrial and other sectors, power demand mostly came from large-scale customers, as described in the reference below:

[Reference]

#### **– Large-Scale Industrial Customers**

While demand from post-quake projects remains robust, large-scale industrial demand was 98.9% compared to the same period of the previous year partly because of a decline in production in some customers.

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

Our generated and purchased power in January totaled 8,148 GWh, which was 98.4% compared to the same period of the previous year, falling below the year-before level for the sixth consecutive month.

(Power generated by our own hydro power stations)

Our generated output totaled 626 GWh, an increase of 28 GWh from the previous year, thanks to a high water flow rate of 112.3%, up 9.0% year-on-year.

(Power generated by our own thermal power stations)

Due to differences in operational conditions and other factors, the amount of generated output was 6,166 GWh, an increase of 359 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 etc.)

Due to differences in operational conditions at our geothermal power stations and other factors, the amount of generated output was 86 GWh, an increase of 4 GWh from the previous year.

(Power purchased from others)

Due to differences in operational conditions in other companies' thermal power stations and other factors, the amount of our power purchased from others totaled 1,982 GWh, a decrease of 523 GWh from the previous year.

(Table 1)

## Power demand for January 2016

(Unit: GWh)

Segments		Actual GWh, Current month (A)	Actual GWh, Same month last year (B)	Year-to-year (%) (A/B)
Non-Specified Scale Demand	Lighting (Residential)	2,764	3,107	88.9
	Power	374	499	75.0
	Subtotal	3,138	3,606	87.0
Specified Scale Demand	Commercial	1,394	1,498	93.1
	Industrial and others	2,717	2,785	97.5
	Subtotal	4,111	4,283	96.0
Total of electricity sales		7,249	7,889	91.9

(Reference)

## Large-Scale Industrial Customers

(Unit: GWh)

	Actual GWh, Current month (A)	Actual GWh, Same month last year (B)	Year-to-year (%) (A/B)
Large-Scale Industrial Demand	2,067	2,089	98.9

## Industry-classified year-to-year comparison of large-scale customers

(Unit: %)

Food products	101.1	Pulp and paper	95.0	Chemicals	106.1
Ceramics	95.9	Steel	104.5	Non-ferrous metals	93.3
Machinery	96.9				

(Table 2)

## Summary of power supply for January 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	588	552	36	106.5
		Reservoir/Pumped storage	38	46	(8)	81.8
		Subtotal	626	598	28	104.6
	Thermal		6,166	5,807	359	106.2
	Nuclear		0	0	0	0.0
	Renewables		86	82	4	104.2
	Subtotal		6,878	6,487	391	106.0
	Power purchased from other companies		1,982	2,505	(523)	79.1
Interchanged power		(710)	(706)	(4)	100.5	
Pumping-up power		(2)	(3)	1	87.5	
Total		8,148	8,283	(135)	98.4	
Water flow rate		112.3	103.3	9.0	-	