

February 28, 2012

## **Electricity Supply & Demand Report for January 2012**

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

Electric power sold in January totaled 7.539 billion kWh, which was 94.9% compared to the same period of the previous year. Although there was an increase in the heating demand due to the fall of temperature, it fell below the result of the previous year for the eleventh consecutive month because of the Great East Japan Earthquake and customers' cooperation for saving electricity. Sales by customer segment were as follows:

#### – Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 98.7% compared to the same period of the previous year because of the Great East Japan Earthquake and customers' cooperation for saving electricity, despite the increase in the heating demand due to the fall of temperature.

Non-specified scale demand in total was 99.1% of the same period of the previous year.

#### – Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 93.3% year-on-year, and which fell below the result of the previous year because of the Great East Japan Earthquake and customers' cooperation for saving electricity, despite the increase in the heating demand due to the fall of temperature.

Overall power demand in the specified-scale sectors totaled 91.7% of the same period of the previous year.

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

#### [Reference]

##### – Large-scale industrial demand

Large-scale industrial demand in total was 89.1% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the eleventh consecutive month.

## 2. Electricity supply (See Table 2)

Electricity generated and purchased in January totaled 8.280 billion kWh, 92.5% compared to the same period of the previous year, and which fell below the result of the previous year for the eleventh consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

The flow rate was 70.0% during this period.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima and different water rate compared to the previous fiscal year, hydropower generation totaled 304 million kWh, which was decreased 329 million kWh compared to the same period of the previous year.

(Power generated by our own thermal power plants)

Because of the Great East Japan Earthquake, operated thermal power plants worked higher than the previous year to offset thermal power generation of damaged power plants. And due to different operational conditions of the thermal power plants, thermal power generated at our own plants totaled 5.485 billion kWh, which was increased 503 million kWh compared to the same period of the previous year.

(Power generated by our own nuclear power plants)

All units of Onagawa and unit 1 of Higashidori nuclear power station have been shut down because of the regular inspection. So, there was no nuclear power generated by our own nuclear power plants.

(Power generated by our own renewable power plants)

Due to different operational conditions of the geothermal power plants compared to the same period of the previous year, total power generated rose to 96 million kWh, which was increased 26 million kWh compared to the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others was 2.216 billion kWh, which was almost same level as the same period of the previous year.

(Table 1)

## Power demand during January 2012

(Units: million kWh; %)

Segments		Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	2,904	2,943	98.7
	Power	478	469	101.9
	Subtotal	3,382	3,412	99.1
Specified Scale Demand	Commercial	1,416	1,518	93.3
	Industrial and others	2,741	3,013	91.0
	Subtotal	4,157	4,531	91.7
Total power sold		7,539	7,943	94.9

(Reference)

## Sold to large-scale industrial customers

(Units: million kWh; %)

	Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	2,072	2,324	89.1

## Year-to-year percentage by sectors (%), Large-scale industrial customers

Foodstuffs	91.2	Pulp and paper	62.4	Chemicals	83.8
Ceramics, stone and clay	102.2	Steel	89.4	Non-ferrous metals	89.3
Machinery	90.0				

(Table 2)

## Overview of power supply during January 2012

(Units: million kWh; %)

Segments			Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	268	596	-328	45.0
		Reservoir/pumped-storage	36	37	-1	95.9
		Subtotal	304	633	-329	48.0
	Thermal		5,485	4,982	503	110.1
	Nuclear		0	1,799	-1,799	0.0
	Renewable		96	70	26	137.4
	Subtotal		5,885	7,484	-1,599	78.6
Power purchased from others			2,216	2,216	0	100.0
Interchange power			204	-745	949	-27.4
Pumping-up power			-25	-1	-24	3,264.0
Total			8,280	8,954	-674	92.5
Water flow rate			70.0	113.4	-43.4	—