

April 27, 2012

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

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

Electric power sold in March totaled 7,222 million kWh, which was 116.0% as compared with the same period of the previous year.

Although there were the reduction by gaining customer support for further energy saving measures, with the reaction of last March when it decreased sharply by the Great East Japan Earthquake, electric power sold was exceeded the result of the previous year for the first time in 13 months since February 2011.

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

Although there were the reduction by gaining customer support for further energy saving measures, with the reaction of last March when it decreased sharply by the Great East Japan Earthquake, power demand in the lighting (residential) sector was 104.6% as compared with the same period of the previous year.

Non-specified scale demand in total was 105.0% of the same period of the previous year.

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

Electric power sold for commercial use was 113.4% year-on-year.

Although there were the reduction by gaining customer support for further energy saving measures, with the reaction of the last March when it decreased sharply by the Great East Japan Earthquake, it has exceeded the performance of the previous year for the first time in 13 months since February 2011.

Overall power demand in the specified-scale sectors totaled 125.4% 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 138.0% year-on-year because of the reaction of the last March when it decreased sharply by the Great East Japan Earthquake, and it has exceeded the performance of the previous year for the first time in 13 months since February 2011.

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

Electricity generated and purchased in March totaled 7,731 million kWh, 114.9% as compared with the same period of the previous year. Because of the reaction of last March when it decreased sharply by the Great East Japan Earthquake, it has exceeded the performance of the previous year for 2 consecutive months.

(Power generated by our own hydro power plants)

The flow rate was 87.5% during this period.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima, hydropower generation totaled 103 million kWh, which was decreased 485 million kWh compared with the same period of the previous year.

(Power generated by our own thermal power plants)

Due to different operational conditions of the thermal power plants, such as operated thermal power plants worked higher than the previous year and several plants were shut down by the Great East Japan Earthquake, thermal power generated at our own plants totaled 4,816 million kWh, which was increased 460 million kWh compared with 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 with the same period of the previous year, total power generated rose to 96 million kWh, which was increased 24 million kWh compared to the same period of the previous year.

(Power purchased)

Last year, some power plants shut down by the influence of the Great East Japan Earthquake.

Due to different operational conditions of others, total power purchased from others was 2,284 million kWh, which was increased 1,057 million kWh compared to the same period of the previous year.

(Table 1)

## Power demand during March 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)	2,611	2,497	104.6
	Power	397	369	107.7
	Subtotal	3,008	2,866	105.0
Specified Scale Demand	Commercial	1,366	1,205	113.4
	Industrial and others	2,848	2,156	132.1
	Subtotal	4,214	3,361	125.4
Total power sold		7,222	6,227	116.0

(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	2,162	1,567	138.0

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

Foodstuffs	123.1	Pulp and paper	114.0	Chemicals	102.0
Ceramics, stone and clay	212.7	Steel	187.5	Non-ferrous metals	186.5
Machinery	123.6				

(Table 2)

## Overview of power supply during March 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	453	542	-89	83.4
		Reservoir/pumped-storage	32	46	-14	69.5
		Subtotal	485	588	-103	82.3
	Thermal		4,816	4,356	460	110.6
	Nuclear		0	354	-354	0.0
	Renewable		96	72	24	134.3
	Subtotal		5,397	5,370	27	100.5
Power purchased from others			2,284	1,227	1,057	186.1
Interchange power			53	150	-97	35.4
Pumping-up power			-3	-18	15	18.7
Total			7,731	6,729	1,002	114.9
Water flow rate			87.5	77.4	10.1	—