

October 31, 2013

## **Electricity Supply & Demand Report for September 2013**

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

Electric power sold in September totaled 6,146 GWh, which was 93.7% as compared with the same period of the previous year. While reconstruction demand increased, air conditioning demand decreased because of lower temperature than the previous year. Electric power sold fell below the results of the previous year for 2 consecutive months.

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

Due to the lower temperature than the previous year resulting in a lower demand for air-conditioning, power demand in the lighting (residential) sector was 89.5% as compared with the same period of the previous year, and which fell below the result of the previous year for 2 consecutive months.

Non-specified scale demand in total was 88.5% of the same period of the previous year.

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

Due to the lower temperature than the previous year resulting in a lower demand for air-conditioning, electric power sold for commercial use was 94.7% year-on-year.

Overall power demand in the specified-scale sectors totaled 96.4% 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 98.2% year-on-year. Due to a lower production in some industrial sectors, large-scale industrial demand fell below the performance of the previous year for 11 consecutive months.

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

Electricity generated and purchased in September totaled 6,455 GWh, 95.3% as compared with the same period of the previous year. It fell below the performance of the previous year for 3 consecutive months.

(Power generated by our own hydro power stations)

The flow rate was 109.2% during this period. Since the flow rate was higher than that of the previous year, hydro power generation increased 266 GWh, year-on-year, to 578 GWh.

(Power generated by our own thermal power stations)

Since operation of power stations was different from that of the same period of the previous year, generated output totaled 4,718 GWh, an increase of 267 GWh from the same period of the previous year.

(Power generated by our own nuclear power stations)

All units of Onagawa nuclear power station and unit 1 of Higashidori nuclear power station have been shut down because of regular inspection, so there was no nuclear power generation.

(Power generated by our own renewable power stations)

Since operation of geothermal power stations was different from that of the same period of the previous year, generated output totaled 70 GWh, a decrease of 4 GWh, year-on-year.

(Power purchased)

Due to a decrease in demand and an increase in our own hydro power generation, thermal power purchased from other companies decreased. Total power purchased from others totaled 1,774 GWh, a decrease of 194 GWh from the same period of the previous year.

(Table 1)

## Power demand during September 2013

(Units: GWh; %)

Segments		Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)	Planned GWh, Current month (C)	Actual over planned percentage (A/C)
Non-Specified Scale Demand	Lighting (Residential)	1,702	1,901	89.5	1,690	100.7
	Power	298	359	82.9	297	100.2
	Subtotal	2,000	2,260	88.5	1,987	100.6
Specified Scale Demand	Commercial	1,366	1,443	94.7	-	-
	Industrial and others	2,780	2,856	97.3	-	-
	Subtotal	4,146	4,299	96.4	4,234	97.9
Total power sold		6,146	6,559	93.7	6,221	98.8

(Reference)

## Sold to large-scale industrial customers

(Units: GWh; %)

	Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	2,086	2,123	98.2

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

Foodstuffs	98.9	Pulp and paper	104.2	Chemicals	88.8
Ceramics, stone and clay	98.0	Steel	105.4	Non-ferrous metals	93.1
Machinery	97.5				

(Table 2)

## Overview of power supply during September 2013

(Units: GWh; %)

Segments			Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	540	276	264	195.8
		Reservoir/pumped-storage	38	36	2	103.3
		Subtotal	578	312	266	185.1
	Thermal		4,718	4,451	267	106.0
	Nuclear		0	0	0	-
	Renewable		70	74	(4)	94.3
	Subtotal		5,366	4,837	529	110.9
	Power purchased from others		1,774	1,968	(194)	90.1
Interchange power		(682)	(8)	(674)	8,433.0	
Pumping-up power		(3)	(21)	18	16.8	
Total		6,455	6,776	(321)	95.3	
Water flow rate		109.2	54.4	54.8	-	