

November 26, 2013

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

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

Electric power sold in October totaled 5,941 GWh, which was 99.8% as compared with the same period of the previous year. While reconstruction demand and large industrial demand increased, air conditioning demand decreased because of lower temperature than the previous year. Electric power sold stayed at the same level as in the previous year.

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

While reconstruction demand increased, 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 97.8% as compared with the same period of the previous year, and which fell below the result of the previous year for 3 consecutive months.

Non-specified scale demand in total was 97.5% of the same period of the previous year.

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

While reconstruction demand increased, due to the lower temperature than the previous year resulting in a lower demand for air-conditioning, electric power sold for commercial use was 99.3% year-on-year. Overall power demand in the specified-scale sectors totaled 100.9% 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 102.1% year-on-year, due to a recovery of operation rate in some industrial sectors. Large-scale industrial demand exceeded the performance of the previous year for the first time in 12 months.

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

Electricity generated and purchased in October totaled 6,600 GWh, 103.2% as compared with the same period of the previous year. It exceeded the performance of the previous year for the first time in 4 months.

(Power generated by our own hydro power stations)

Due to plentiful rainfall from typhoon and autumn rain front, the flow rate was 110.6% during this period. Hydro power generation increased 193 GWh, year-on-year, to 484 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 4,992 GWh, an increase of 746 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 60 GWh, a decrease of 10 GWh, year-on-year.

(Power purchased)

Since operation of thermal power station of other companies was different from that of the same period of the previous year, total power purchased from others totaled 1,624 GWh, a decrease of 172 GWh from the same period of the previous year.

(Table 1)

## Power demand during October 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)	1,664	1,701	97.8	1,711	97.3
	Power	276	288	95.6	275	100.4
	Subtotal	1,940	1,989	97.5	1,986	97.7
Specified Scale Demand	Commercial	1,191	1,199	99.3	-	-
	Industrial and others	2,810	2,766	101.6	-	-
	Subtotal	4,001	3,965	100.9	4,066	98.4
Total power sold		5,941	5,954	99.8	6,052	98.2

## (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	2,142	2,098	102.1

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

Foodstuffs	105.7	Pulp and paper	96.2	Chemicals	96.2
Ceramics, stone and clay	98.8	Steel	101.2	Non-ferrous metals	103.0
Machinery	101.8				

(Table 2)

## Overview of power supply during October 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	445	268	177	166.3
		Reservoir/pumped-storage	39	23	16	170.0
		Subtotal	484	291	193	166.6
	Thermal		4,992	4,246	764	117.6
	Nuclear		0	0	0	-
	Renewable		60	70	(10)	84.5
	Subtotal		5,536	4,607	929	120.1
	Power purchased from others		1,624	1,796	(172)	90.4
Interchange power		(556)	(10)	(546)	5,565.3	
Pumping-up power		(4)	(1)	(3)	254.1	
Total		6,600	6,392	208	103.2	
Water flow rate		110.6	68.5	42.1	-	