

December 25, 2013

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

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

Electric power sold in November totaled 6,015 GWh, which was 102.8% as compared with the same period of the previous year. Due to the post-quake reconstruction and a recovery of operational rate in large industrial sector, electric power sold exceeded the performance of the previous year for the first time in 4 months.

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

Since reconstruction demand increased, power demand in the lighting (residential) sector was 103.0% as compared with the same period of the previous year, and which exceeded the result of the previous year for the first time in 4 months.

Non-specified scale demand in total was 103.0% of the same period of the previous year.

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

Since reconstruction demand increased, electric power sold for commercial use was 102.4% year-on-year.

Overall power demand in the specified-scale sectors totaled 102.6% 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 103.2% year-on-year, due to a recovery of operational rate in some industrial sectors. Large-scale industrial demand exceeded the performance of the previous year for 2 consecutive months.

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

Due to a lower temperature resulting in higher demand for heating, electricity generated and purchased in November totaled 6,911 GWh, 102.0% as compared with the same period of the previous year. It exceeded the performance of the previous year for 2 consecutive months.

(Power generated by our own hydro power stations)

Due to plentiful rainfall in areas along the Sea of Japan, the flow rate was 109.5% during this period. Hydro power generation increased 148 GWh, year-on-year, to 569 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 5,081 GWh, an increase of 977 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 73 GWh, a decrease of 11 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 1,815 GWh, a decrease of 458 GWh from the same period of the previous year.

(Table 1)

## Power demand during November 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)	1,875	1,821	103.0	1,898	98.8
	Power	241	233	103.2	241	99.8
	Subtotal	2,116	2,054	103.0	2,139	98.9
Specified Scale Demand	Commercial	1,190	1,162	102.4	-	-
	Industrial and others	2,709	2,637	102.7	-	-
	Subtotal	3,899	3,799	102.6	4,053	96.2
Total power sold		6,015	5,853	102.8	6,192	97.1

(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	2,045	1,982	103.2

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

Foodstuffs	103.3	Pulp and paper	101.4	Chemicals	94.6
Ceramics, stone and clay	111.2	Steel	107.8	Non-ferrous metals	104.8
Machinery	101.3				

(Table 2)

## Overview of power supply during November 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	530	402	128	131.8
		Reservoir/pumped-storage	39	19	20	201.4
		Subtotal	569	421	148	135.1
	Thermal		5,081	4,104	977	123.8
	Nuclear		0	0	0	-
	Renewable		73	84	(11)	87.3
	Subtotal		5,723	4,609	1,114	124.2
	Power purchased from others		1,815	2,273	(458)	79.9
Interchange power		(627)	(105)	(522)	601.3	
Pumping-up power		0	(2)	2	0.0	
Total		6,911	6,775	136	102.0	
Water flow rate		109.5	88.8	20.7	-	