



December 24, 2014

## **Electricity Supply & Demand Report for November 2014**

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

Electric power sold in November totaled 5,893 GWh, which was 98.0% year-on-year. While there was a continuous post-quake reconstruction, our customers' power saving efforts and other factors decreased the sales, which fell below the results of the previous year for three consecutive months.

Sales by customer segment were as follows:

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

Power demand in the lightning (residential) sector was 94.8% year-on-year, which fell below the results of the previous year for three consecutive months. Even though a post-quake reconstruction continued, our customers' power saving efforts and a shorter period of meter reading than the previous year decreased the demand.

Non-specified scale demand in total was 94.8% of the same period of the previous year.

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

Our customers' power saving efforts and other factors decreased electric power sold for commercial use to 98.0% year-on-year, which fell below the result of the previous year for three consecutive months, despite a continuing recovery trend in demand. Overall power demand in the specified-scale sectors totaled 99.7% 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**

Even with an increase in the outputs of private generators, a post-quake reconstruction and a continuous recovery of production in some sectors expanded our large-scale industrial demand in total. As a result, it was 101.0% year-on-year, which exceeded the performance of the previous year for the first time in four months.

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

Electricity generated and purchased in November totaled 6,764 GWh, 97.9% year-on-year, which fell below the performance of the previous year for four consecutive months.

(Power generated by our own hydro power stations)

Since a flow rate was down 15.1% year-on-year to 94.4%, hydro power generation output decreased to 540 GWh, a year-on-year decrease of 29 GWh.

(Power generated by our own thermal power stations)

Differences of thermal power stations' operations and other factors decreased our own thermal power generated output to 4,139 GWh, a year-on-year decrease of 942 GWh.

(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 inspections. Therefore, there was no output from nuclear power stations.

(Power generated by our own renewable power stations)

Differences of geothermal power stations' operations and other factors increased our renewable generated output to 77 GWh, a year-on-year increase of 4 GWh.

(Power purchased)

Differences of thermal power stations' operation of other companies and other factors increased our power purchased from others to 2,274 GWh, a year-on-year increase of 459 GWh.

(Table 1)

## Power demand during November 2014

(Units: GWh; %)

Segments		Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-on-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	1,778	1,875	94.8
	Power	227	241	94.6
	Subtotal	2,005	2,116	94.8
Specified Scale Demand	Commercial	1,167	1,190	98.0
	Industrial and others	2,721	2,709	100.4
	Subtotal	3,888	3,899	99.7
Total power sold		5,893	6,015	98.0

(Reference)

## Sold to large-scale industrial customers

(Units: GWh; %)

	Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-on-year percentage (A/B)
Large-scale industrial customers	2,066	2,045	101.0

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

Foodstuffs	99.9	Pulp and paper	111.0	Chemicals	122.6
Ceramics, stone and clay	102.4	Steel	90.9	Non-ferrous metals	107.0
Machinery	100.0				

(Table 2)

## Overview of power supply during November 2014

(Units: GWh; %)

Segments			Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Difference (A-B)	Year-on-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	523	530	(7)	98.9
		Reservoir/pumped-storage	17	39	(22)	42.7
		Subtotal	540	569	(29)	95.0
	Thermal		4,139	5,081	(942)	81.5
	Nuclear		0	0	0	-
	Renewable		77	73	4	105.4
	Subtotal		4,756	5,723	(967)	83.1
	Power purchased from others		2,274	1,815	459	125.3
Interchange power		(263)	(627)	364	42.2	
Pumping-up power		(3)	0	(3)	-	
Total		6,764	6,911	(147)	97.9	
Water flow rate		94.4	109.5	(15.1)	-	