

April 25, 2013

## **Electricity Supply & Demand Report for FY2012**

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

Electric power sold in FY2012 totaled 77,833 GWh, which was 103.4% compared with the previous fiscal year. This was because of a rebound in sales after the impact of the Great East Japan Earthquake. Sales by customer segment were as follows.

For your information, the comparison of the year before last year is also shown in Table 1.

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

Power demand in the lighting (residential) sector was 101.5% compared with the previous fiscal year, because of a rebound in sales after the impact of the Great East Japan Earthquake.

Non-specified scale demand in total was 101.3% of the previous fiscal year.

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

Due to a rebound in sales after the impact of the Great East Japan Earthquake, electric power sold for commercial use was 107.2% year-on-year.

Overall power demand in the specified-scale sectors totaled 104.6% of the previous fiscal 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**

In spite of a lower operating rate mainly at export-oriented companies, due to a rebound in sales after the impact of the Great East Japan Earthquake, large-scale industrial demand in total was 103.3% year-on-year.

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

Electricity generated and purchased in FY2012 totaled 85,106 GWh, 103.1% as compared with the previous fiscal year, due to a rebound in sales after the impact of the Great East Japan Earthquake.

For your information, the comparison of the year before last year is also shown in Table 2.

(Power generated by our own hydro power stations)

The flow rate was 89.4% during this period, due to a low rainfall in summer. Hydropower generation totaled 5,957 GWh, a decrease of 470 GWh from the previous year.

(Power generated by our own thermal power stations)

Due to the power stations' restoration from the earthquake, thermal power generation totaled 52,757 GWh, an increase of 1,676 GWh from 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 the previous year, generated output totaled 944 GWh, a decrease of 94 GWh from the previous year.

(Power purchased)

Since operation of power stations was different from that of the previous year, total power purchased from others totaled 26,598 GWh, an increase of 6,264 GWh from the previous year.

(Table 1)

## Power demand during FY2012

(Units: GWh; %)

Segments		Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)	Planned kWh, Current year (C)	Actual over planned percentage (A/C)	Reference	
							Actual kWh, The year before last year (D)	The year before last year percentage (A/D)
Non-Specified Scale Demand	Lighting (Residential)	25,153	24,791	101.5	24,763	101.6	26,324	95.6
	Power	4,017	3,996	100.5	3,859	104.1	4,284	93.8
	Subtotal	29,170	28,787	101.3	28,622	101.9	30,608	95.3
Specified Scale Demand	Commercial	15,609	14,563	107.2	-	-	16,837	92.7
	Industrial and others	33,054	31,954	103.4	-	-	35,261	93.7
	Subtotal	48,663	46,517	104.6	48,628	100.1	52,098	93.4
Total power sold		77,833	75,304	103.4	77,250	100.8	82,706	94.1

## (Reference)

## Sold to large-scale industrial customers

(Units: GWh; %)

	Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)	Actual kWh, The year before last year (C)	The year before last year percentage (A/C)
Large-scale industrial customers	24,871	24,079	103.3	26,787	92.8

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

(The year before last year)

Foodstuffs	106.1 (95.0)	Pulp and paper	106.4 (78.1)	Chemicals	96.4 (87.6)
Ceramics, stone and clay	125.1 (117.2)	Steel	126.5 (101.8)	Non-ferrous metals	100.5 (91.5)
Machinery	96.2 (89.0)				

(Table 2)

## Overview of power supply during FY2012

(Units: GWh; %)

Segments			Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)	Reference (The year before last year)		
			Actual kWh (C)	Difference (A-C)	percentage (A/C)				
Power by our own plants	Hydroelectric	Natural inflow	5,461	5,868	(407)	93.1	7,658	(2,197)	71.3
		Reservoir/pumped-storage	496	559	(63)	88.8	575	(79)	86.3
		Subtotal	5,957	6,427	(470)	92.7	8,233	(2,276)	72.4
	Thermal		52,757	51,081	1,676	103.3	42,883	9,874	123.0
	Nuclear		0	0	0	-	20,690	(20,690)	0.0
	Renewable		944	1,038	(94)	91.0	851	93	110.9
	Subtotal		59,658	58,546	1,112	101.9	72,657	(12,999)	82.1
Power purchased from others			26,598	20,334	6,264	130.8	22,541	4,057	118.0
Interchange power			(1,081)	4,024	(5,105)	(26.9)	(4,809)	3,728	22.5
Pumping-up power			(69)	(327)	258	21.2	(99)	30	70.2
Total			85,106	82,577	2,529	103.1	90,290	(5,184)	94.3
Water flow rate			89.4	96.6	(7.2)	-	102.2	(12.8)	-