

August 28, 2012

## **Electricity Supply & Demand Report for July 2012**

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

Electric power sold in July totaled 5,927 million kWh, which was 100.1% as compared with the same period of the previous year. In spite of a decrease in electricity demand because of the lower temperature, due to a rebound in sales after the impact of the Great East Japan Earthquake last year, sales of electricity exceeded the results of the previous year for 5 consecutive months.

Electric power sold in the previous year was significantly decreased by the Great East Japan Earthquake, so 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 94.3% as compared with the same period of the previous year. This was primarily because of the lower temperature in July than previous year, resulting in a lower demand for air-conditioning. Residential power demand fell below the result of the previous year for the first time in 6 months.

Non-specified scale demand in total was 94.0% of the same period of the previous 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 101.2% year-on-year. It was exceeded the results of the previous year for 5 consecutive months.

Overall power demand in the specified-scale sectors totaled 103.2% 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 105.7% year-on-year because of a rebound in sales after the impact of the Great East Japan Earthquake, and it has exceeded the performance of the previous year for 5 consecutive months.

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

Electricity generated and purchased in July totaled 6,892 million kWh, 102.3% as compared with the same period of the previous year. Due to a rebound of last July when it significantly decreased by the Great East Japan Earthquake, it has exceeded the performance of the previous year for 6 consecutive months.

Electric generated and purchased in the previous year was significantly decreased by the Great East Japan Earthquake, so for your information, the comparison of the year before the last year is also shown in Table 2.

(Power generated by our own hydro power stations)

The flow rate was 87.7% during this period.

Due to the different flow rate compared to the previous year and shutdown of several stations caused by heavy rainfall in Niigata and Fukushima, hydropower generation totaled 603 million kWh, which was below the same period of the previous year by 97 million kWh.

(Power generated by our own thermal power stations)

Due to the increase of power demand and shutdown of several hydro power stations, generated output increased 108 million kWh, year-on-year, to 3,880 million kWh.

(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 decreased 13 million kWh, year-over-year, to 82 million kWh.

(Power purchased)

Due to shutdown of our power stations caused by the Great East Japan Earthquake last year, total power purchased from others increased 712 million kWh, year-on-year, to 2,331 million kWh.

(Table 1)

## Power demand during July 2012

(Units: million kWh; %)

Segments		Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)	Planned kWh, Current month (C)	Actual over planned % (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)	1,564	1,658	94.3	1,609	97.2	1,685	92.8
	Power	278	302	92.3	281	99.1	316	87.9
	Subtotal	1,842	1,960	94.0	1,890	97.5	2,001	92.1
Specified Scale Demand	Commercial	1,227	1,213	101.2	-	-	1,482	82.8
	Industrial and others	2,858	2,747	104.0	-	-	3,128	91.4
	Subtotal	4,085	3,960	103.2	4,051	100.8	4,610	88.6
Total power sold		5,927	5,920	100.1	5,941	99.8	6,611	89.7

(Reference)

## Sold to large-scale industrial customers

(Units: million kWh; %)

	Actual kWh, Current month (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	2,186	2,068	105.7	2,394	91.3

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

(The year before last year)

Foodstuffs	107.7 (88.8)	Pulp and paper	98.7 (74.5)	Chemicals	92.7 (86.6)
Ceramics, stone and clay	137.2 (114.2)	Steel	144.2 (105.9)	Non-ferrous metals	105.0 (95.3)
Machinery	97.5 (87.2)				

(Table 2)

## Overview of power supply during July 2012

(Units: million kWh; %)

Segments			Actual kWh,	Actual kWh,	Difference	Year-to-year	Reference (The year before last year)		
			Current	Previous			percentage	Actual kWh	Difference
			month	year	(A-B)	(A/B)	(C)	(A-C)	(A/C)
			(A)	(B)					
Power by our own plants	Hydroelectric	Natural inflow	542	637	(95)	85.1	750	(208)	72.4
		Reservoir/pumped-storage	61	63	(2)	97.7	62	(1)	98.8
		Subtotal	603	700	(97)	86.2	812	(209)	74.4
	Thermal		3,880	3,772	108	102.8	3,065	815	126.6
	Nuclear		0	0	0	-	2,183	(2,183)	0.0
	Renewable		82	95	(13)	86.3	65	17	125.4
	Subtotal		4,565	4,567	(2)	99.9	6,125	(1,560)	74.5
Power purchased from others			2,331	1,619	712	143.9	1,973	358	118.1
Interchange power			(2)	578	(580)	(0.4)	(256)	254	0.8
Pumping-up power			(2)	(26)	24	5.5	(6)	4	23.8
Total			6,892	6,738	154	102.3	7,836	(944)	88.0
Water flow rate			87.7	97.2	(9.5)	-	108.7	(21.0)	-