

May 26, 2009

## **Electricity Supply & Demand Report for April 2009**

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

Electric power sold in April totaled 6.522 billion kWh, which was 96.5% compared to the same period of the previous year. Sales by customer segment were as follows:

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

Power demand in the lighting sector was 113.7% compared to the corresponding period of the previous year. This was primarily because of the longer time span for meter reading than the previous year and lower temperature than the previous year, which created a higher demand for heating, and an increase in all-electric housing.

Non-specified scale demand in total was 113.4% of the same period of the previous year.

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

Electric power sold for commercial use was 101.0% of the same period of the previous year. This was primarily because of the lower temperature than the previous year, which created a higher demand for heating.

Overall power demand in the specified-scale sectors totaled 87.5% 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

Because of reduction of output by sudden changes in the world economic situation, large-scale industrial power sales totaled 79.1% of the corresponding period of the previous year. Power sales continued to drop for six months.

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

Electricity generated and purchased in April totaled 6.552 billion kWh, 91.5% compared to the same period of the previous year, or 94.3% compared to the plan for the month.

(Power generated by our own hydro power plants)

As a result of increase in reservoir to deal with less snow fall in last winter, the water flow rate of this period was 92.5%. Hydropower generation totaled 889 million kWh, a decrease of 21 million kWh from the same period of the previous year, because there was a drought this period compared to the same period of the previous year.

(Power generated by our own thermal power plants)

Due to a decrease of demand, thermal power generated at our own plants totaled 3.59 billion kWh, a decrease of 48 million kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Due to different operational conditions of the Onagawa Nuclear Power Plant Unit No.2 and No.3 compared to the same period of the previous year, total power generation dropped to 1.124 billion kWh, a decrease of 92 million kWh from the corresponding period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others dropped to 1.577 billion kWh, a decrease of 451 million kWh from the same period of the previous year.

(Table 1)

Power demand during April 2009

(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)
Non-Specified Scale Demand	Lighting	2,315	2,036	113.7	2,340	98.9
	Power	344	309	111.1	351	98.0
	Subtotal	2,659	2,345	113.4	2,691	98.8
Specified Scale Demand	Commercial	1,336	1,322	101.0	-	-
	Industrial and others	2,527	3,094	81.7	-	-
	Subtotal	3,863	4,416	87.5	4,121	93.7
Total power sold		6,522	6,761	96.5	6,812	95.7

(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)
Large-scale industrial customers	1,891	2,392	79.1

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

Foodstuffs	101.6	Pulp and paper	70.6	Chemicals	68.5
Ceramics, stone and clay	75.3	Steel	63.3	Non-ferrous metals	82.4
Machinery	76.3				

(Table 2)

## Overview of power supply during April 2009

(Units: million kWh; %)

Segments			Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	855	878	-23	97.4
		Reservoir/pumped-storage	34	32	2	107.0
		Subtotal	889	910	-21	97.7
	Thermal		3,590	3,638	-48	98.7
	Nuclear		1,124	1,216	-92	92.5
	Subtotal		5,603	5,764	-161	97.2
	Power purchased from others		1,577	2,028	-451	77.8
Interchange power		-621	-609	-12	101.9	
Pumping-up power		-7	-22	15	32.6	
Total		6,552	7,161 (6,946)	-609	91.5 (94.3)	
Water flow rate		92.5	98.5	-6.0	-	

( ): Planned kWh, current month