

October 29, 2009

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

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

Electric power sold in September totaled 6.238 billion kWh, which was 92.2% 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 96.6% compared to the same period of the previous year. This was primarily because of the lower temperature in the first twenty days of September than the same period of the previous year, resulting in a lower demand for air-conditioning.

Non-specified scale demand in total was 96.1% of the same period of the previous year.

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

Electric power sold for commercial use was 95.4% of the same period of the previous year due to a lower demand for air-conditioning.

Overall power demand in the specified-scale sectors totaled 90.4% 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 changes in the economic situation, large-scale industrial power sales totaled 86.5% of the same period of the previous year. Power sales continued to drop for eleven months from November 2008.

## 2. Electricity supply (See Table 2)

Electricity generated and purchased in September totaled 6.647 billion kWh, 90.9% compared to the same period of the previous year, or 95.5% compared to the plan for the month.

(Power generated by our own hydro power plants)

Due to low precipitation around the plant areas, there was a drought during this period with a low water flow rate of 60.6%. Hydropower generation totaled 402 million kWh, a decrease of 246 million kWh from 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 3.794 billion kWh, a decrease of 269 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 the Higashidori Nuclear Power Plant Unit No.1 compared to the same period of the previous year, total power generation dropped to 1.336 billion kWh, a decrease of 669 million kWh from the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others rose to 1.764 billion kWh, an increase of 129 million kWh from the same period of the previous year.

(Table 1)

## Power demand during September 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	1,701	1,760	96.6	1,765	96.4
	Power	310	332	93.4	328	94.5
	Subtotal	2,011	2,092	96.1	2,093	96.1
Specified Scale Demand	Commercial	1,404	1,473	95.4	-	-
	Industrial and others	2,823	3,205	88.1	-	-
	Subtotal	4,227	4,678	90.4	4,481	94.3
Total power sold		6,238	6,770	92.2	6,574	94.9

## (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	2,134	2,467	86.5

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

Foodstuffs	97.3	Pulp and paper	71.5	Chemicals	89.9
Ceramics, stone and clay	74.0	Steel	90.1	Non-ferrous metals	84.1
Machinery	83.4				

(Table 2)

## Overview of power supply during September 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	365	604	-239	60.4
		Reservoir/pumped-storage	37	44	-7	85.4
		Subtotal	402	648	-246	62.1
	Thermal		3,794	4,063	-269	93.4
	Nuclear		1,336	2,005	-669	66.6
	Subtotal		5,532	6,716	-1,184	82.4
Power purchased from others			1,764	1,635	129	107.9
Interchange power			-648	-1,025	377	63.2
Pumping-up power			-1	-12	11	8.8
Total			6,647	7,314 (6,960)	-667	90.9 (95.5)
Water flow rate			60.6	107.3	-46.7	-

( ): Planned kWh, current month