

April 27, 2010

## **Electricity Supply & Demand Report for FY2009**

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

Electricity sales for FY2009 totaled 78.992 billion kWh, which was 97.4% compared with 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 101.4% compared to the same period of the previous year.

This was primarily because of an increase in all-electric housing, and lower temperature in winter compared to the previous year, resulting in a higher demand for heating.

Non-specified scale demand in total was 101.2% of the same period of the previous year.

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

Due to the economic slump and energy-saving, electric power sold for commercial use was 98.8% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 95.3% of the same period of the previous year.

In the industrial and other electric sectors, power demand mostly came from large-scale industrial customers, as described in the reference below:

#### [Reference]

##### —Large-scale industrial demand

Large-scale industrial power sales totaled 93.2% of the same period of the previous year especially because of year-on-year large losses in the first half, recovery from production curtailment due to the economic stagnation continues though.

## 2. Electricity supply (See Table 2)

Total electricity generated and purchased in FY2009 was 86.894 billion kWh, which was 97.5% of the same period of previous year or 97.4% of the planned value.

(Power generated by our own hydro power plants)

Due to low precipitation around the plant areas, the water flow rate of this period was 90.3%. Hydropower generation totaled 7.607 billion kWh, a decrease of 409 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Due to a decrease in demand, thermal power generated at our own plants totaled 45.646 billion kWh, a decrease of 2.388 billion kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Due to different operational conditions of nuclear power plants compared to the same period of the previous year, total power generation rose to 20.380 billion kWh, an increase of 1.541 billion kWh from the same period of the previous year.

(Power purchased)

Due to a decrease in demand and different operational conditions of others, total power purchased from others fell to 22.830 billion kWh, a decrease of 683 million kWh from the same period of the previous year.

(Table 1)

## Power demand during FY2009

(Units: million kWh; %)

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 (A/C)
Non-specified Scale Demand	Electric lighting	25,036	24,679	101.4	24,997	100.2
	Electric power	4,067	4,078	99.7	4,091	99.4
	Subtotal	29,103	28,757	101.2	29,088	100.0
Specified Scale Demand	Commercial use	16,480	16,680	98.8	-	-
	Industrial and others	33,409	35,664	93.7	-	-
	Subtotal	49,889	52,344	95.3	51,941	96.1
Total power sold		78,992	81,101	97.4	81,029	97.5

(Reference)

## Sold to large-scale industrial customers

(Units: million kWh; %)

	Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	25,345	27,187	93.2

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

Foodstuffs	100.3	Pulp and paper	85.0	Chemicals	95.5
Ceramics, stone and clay	85.4	Iron and steel	90.7	Non-ferrous metals	93.7
Machinery	91.8				

(Table 2)

## Overview of power supply during FY2009

(Units: million kWh; %)

Segments			Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	7,094	7,522	-428	94.3
		Reservoir/pumped-storage	513	494	19	104.0
		Subtotal	7,607	8,016	-409	94.9
	Thermal		45,646	48,034	-2,388	95.0
	Nuclear		20,380	18,839	1,541	108.2
	Subtotal		73,633	74,889	-1,256	98.3
Power purchased from others			22,830	23,513	-683	97.1
Interchange power			-9,528	-9,168	-360	103.9
Pumping-up power			-41	-101	60	41.1
Total			86,894	89,133 (89,230)	-2,239	97.5 (97.4)
Water flow rate			90.3	96.3	-6.0	

( ): Planned kWh, current year