

April 28, 2011

Electricity Supply & Demand Report for FY2010

1. Electricity demand (See Table 1)

Electric power sold in FY2010 totaled 82.760 billion kWh, which was 104.7% compared to the previous fiscal year, and which exceeded the result of the previous fiscal year for the first time in three years since FY2007. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 105.1% compared to the previous fiscal year.

This was primarily because of a record heat wave in last summer which created higher demand for air-conditioning, and increase in all-electric housing.

Non-specified scale demand in total was 105.2% of the previous fiscal year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 102.2% of the previous fiscal year because of a record heat wave in last summer, resulting in a higher demand for air-conditioning.

Overall power demand in the specified-scale sectors totaled 104.4% 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

Large-scale industrial demand in total was 105.7% year-on-year, and which exceeded the result of the previous fiscal year for the first time in three years since FY2007. This was because of a recovery of production level specifically for steel, non-ferrous metals, machinery and chemical.

2. Electricity supply (See Table 2)

Electricity generated and purchased in FY2010 totaled 90.290 billion kWh, 103.9% compared to the previous fiscal year, and which exceeded the result of the previous fiscal year for the first time in three years since FY2007.

(Power generated by our own hydro power plants)

There was ample during this fiscal year with a high water flow rate of 102.2%.

Due to different water flow rate compared to the previous fiscal year, hydropower generation totaled 8.233 billion kWh, an increase in 626 million kWh from the previous fiscal year.

(Power generated by our own thermal power plants)

Due to an increase in hydropower and nuclear generation and different operational conditions of thermal power plants compared to the previous fiscal year, thermal power generated at our own plants totaled 42.883 billion kWh, a decrease in 1.742 billion kWh from the previous fiscal year.

(Power generated by our own nuclear power plants)

Due to different operational conditions of the nuclear power plants compared to the previous fiscal year, total power generation rose to 20.690 billion kWh, an increase in 310 million kWh from the previous fiscal year.

(Power generated by our own renewable power plants)

Due to different operational conditions of the geothermal power plants compared to the previous fiscal year, total power generated fell to 851 million kWh, a decrease in 170 million kWh from the previous fiscal year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others fell to 22.541 billion kWh, a decrease in 289 million kWh from the previous fiscal year.

(Table 1)

Power demand during FY2010

(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	Lighting (Residential)	26,324	25,036	105.1	24,940	105.5
	Power	4,284	4,067	105.4	3,985	107.5
	Subtotal	30,608	29,103	105.2	28,925	105.8
Specified Scale Demand	Commercial	16,837	16,480	102.2	-	-
	Industrial and others	35,261	33,409	105.5	-	-
	Subtotal	52,098	49,889	104.4	50,507	103.1
Total power sold		82,706	78,992	104.7	79,432	104.1

(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	26,787	25,345	105.7

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

Foodstuffs	101.6	Pulp and paper	103.2	Chemicals	108.5
Ceramics, stone and clay	106.3	Steel	117.4	Non-ferrous metals	112.4
Machinery	102.6				

(Table 2)

Overview of power supply during FY2010

(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	Hydroelectr	Natural inflow	7,658	7,094	564	107.9
		Reservoir/pumped-storage	575	513	62	112.1
		Subtotal	8,233	7,607	626	108.2
	Thermal		42,883	44,625	-1,742	96.1
	Nuclear		20,690	20,380	310	101.5
	Renewable		851	1,021	-170	83.3
	Subtotal		72,657	73,633	-976	98.7
	Power purchased from others			22,541	22,830	-289
Interchange power			-4,809	-9,528	4,719	50.5
Pumping-up power			-99	-41	-58	237.9
Total			90,290	86,894 (87,500)	3,396	103.9 (103.2)
Water flow rate			102.2	90.3	11.9	-

(): Planned kWh, current month