

June 24, 2010

Electricity Supply & Demand Report for May 2010

1. Electricity demand (See Table 1)

Electric power sold in May totaled 6.518 billion kWh, which was 108.2% 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 111.1% compared to the same period of the previous year.

This was primarily because of longer time span for meter reading than the previous year, and lower temperature in April than the previous year, resulting in a higher demand for heating.

Non-specified scale demand in total was 110.3% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 101.7% of the same period of the previous year.

This was primarily because of lower temperature in April than the previous year, which created a higher demand for heating.

Overall power demand in the specified-scale sectors totaled 107.0% 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 110.6% year-on-year, which exceeded the result of the previous year for the sixth consecutive month. This was because of a rebound from significant decrease in May 2009 compared to the result of the previous year in addition to a recovery movement of production.

2. Electricity supply (See Table 2)

Electricity generated and purchased in May totaled 6.748 billion kWh, 104.3% compared to the same period of the previous year.

(Power generated by our own hydro power plants)

Due to an increase in snowmelt volume, there was ample during this period with a high water flow rate of 108.8%. Hydropower generation totaled 972 million kWh, an increase of 150 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Due to an increase of nuclear power generated, thermal power generated at our own plants totaled 2.173 billion kWh, a decrease of 909 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 Nuclear Power Plants compared to the same period of the previous year, total power generation rose to 2.076 billion kWh, an increase of 862 million kWh from the same period of the previous year.

(Power generated by our own renewable power plants)[※]

Due to different operational conditions of the Geothermal Power Plants compared to the same period of the previous year, total power generation rose to 97 million kWh, an increase of 20 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 2.056 billion kWh, an increase of 182 million kWh from the same period of the previous year.

※ METI Ordinance No.20, March 31, 2010, prescribes that new energy, which is generated by wind, solar and geothermal energy, should be reported separately from other energy resources to the government. According to this new rule, we have categorized geothermal power generation as “renewable”.

(Table 1)

Power demand during May 2010

(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	2,119	1,907	111.1	1,967	107.7
	Power	326	309	105.4	308	105.7
	Subtotal	2,445	2,216	110.3	2,275	107.4
Specified Scale Demand	Commercial	1,246	1,225	101.7	-	-
	Industrial and others	2,827	2,581	109.6	-	-
	Subtotal	4,073	3,806	107.0	3,928	103.7
Total power sold		6,518	6,022	108.2	6,203	105.1

(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	2,178	1,969	110.6

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

Foodstuffs	99.0	Pulp and paper	124.8	Chemicals	106.0
Ceramics, stone and clay	109.7	Steel	130.0	Non-ferrous metals	114.7
Machinery	108.5				

(Table 2)

Overview of power supply during May 2010

(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	921	758	163	121.5
		Reservoir/pumped-storage	51	64	-13	79.3
		Subtotal	972	822	150	118.2
	Thermal		2,173	3,082	-909	70.5
	Nuclear		2,076	1,214	862	171.0
	Renewable [※]		97	77	20	126.2
	Subtotal		5,318	5,195	123	102.4
Power purchased from others			2,056	1,874	182	109.7
Interchange power			-621	-585	-36	106.1
Pumping-up power			-5	-13	8	39.2
Total			6,748	6,471 (6,644)	277	104.3 (101.6)
Water flow rate			108.8	82.3	26.5	-

(): Planned kWh, current month

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