

May 25, 2010

Electricity Supply & Demand Report for April 2010

1. Electricity demand (See Table 1)

Electric power sold in April totaled 6.987 billion kWh, which was 107.1% 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 103.0% compared to the same period of the previous year.

This was primarily because of an increase in all-electric housing, and lower temperature than the same period of the previous year, resulting in a higher demand for heating, in spite of the time span for meter reading was shorter than the previous year.

Non-specified scale demand in total was 102.6% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 102.9% of the same period of the previous year.

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

Overall power demand in the specified-scale sectors totaled 110.2% 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 116.1% year-on-year, which exceeded the result of the previous year for the fifth consecutive month. This was because of a rebound from significant decrease in April 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 April totaled 7.209 billion kWh, 110.0% compared to the same period of the previous year.

(Power generated by our own hydro power plants)

Due to temporary decrease in snowmelt volume because of lower temperature than the same period of the previous year, there was drought during this period with a low water flow rate of 98.8%. Hydropower generation totaled 902 million kWh, an increase of 13 million kWh from the same period of the previous year, because there was ample this period compared to 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 2.874 billion kWh, a decrease of 638 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 2.009 billion kWh, an increase of 885 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 fell to 75 million kWh, a decrease of 3 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 1.989 billion kWh, an increase of 412 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” since April, 2010. (Geothermal power generation was included in “Power generated by our own thermal power plants”.)

(Table 1)

Power demand during April 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	2,384	2,315	103.0	2,254	105.7
	Power	345	344	100.5	328	105.3
	Subtotal	2,729	2,659	102.6	2,582	105.7
Specified Scale Demand	Commercial	1,374	1,336	102.9	-	-
	Industrial and others	2,884	2,527	114.1	-	-
	Subtotal	4,258	3,863	110.2	4,053	105.1
Total power sold		6,987	6,522	107.1	6,635	105.3

(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	2,195	1,891	116.1

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

Foodstuffs	101.3	Pulp and paper	112.7	Chemicals	128.2
Ceramics, stone and clay	116.0	Steel	147.2	Non-ferrous metals	121.2
Machinery	113.2				

(Table 2)

Overview of power supply during April 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	859	855	4	100.6
		Reservoir/pumped-storage	43	34	9	125.3
		Subtotal	902	889	13	101.5
	Thermal		2,874	3,512	-638	81.8
	Nuclear		2,009	1,124	885	178.7
	Renewable※		75	78	-3	96.4
	Subtotal		5,860	5,603	257	104.6
	Power purchased from others		1,989	1,577	412	126.1
Interchange power		-622	-621	-1	100.2	
Pumping-up power		-18	-7	-11	259.0	
Total		7,209	6,552 (6,851)	657	110.0 (105.2)	
Water flow rate		98.8	92.5	6.3	-	

(): Planned kWh, current month

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