

July 27, 2010

Electricity Supply & Demand Report for June 2010

1. Electricity demand (See Table 1)

Electric power sold in June totaled 6.346 billion kWh, which was 106.3% 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 105.6% 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 higher temperature than the previous year, resulting in a higher demand for air-conditioning.

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

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 100.8% of the same period of the previous year. This was primarily because of higher temperature than the previous year, which created a higher demand for air-conditioning.

Overall power demand in the specified-scale sectors totaled 106.8% 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 110.5% year-on-year, which exceeded the result of the previous year for the seventh consecutive month. This was because of a rebound from significant decrease in June 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 June totaled 6.925 billion kWh, 104.4% compared to the same period of the previous year.

(Power generated by our own hydro power plants)

Due to high precipitation, there was ample during this period with a high water flow rate of 106.8%. Hydropower generation totaled 760 million kWh, an increase of 163 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 2.474 billion kWh, a decrease of 1.267 billion 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 2.008 billion kWh, an increase of 993 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 66 million kWh, a decrease of 34 million kWh from the same period of the previous year.

(Power purchased)

Due to the increased purchase of electricity generated by hydropower, total power purchased from others rose to 1.972 billion kWh, an increase of 22 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 June 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	1,756	1,663	105.6	1,693	103.7
	Power	303	294	103.1	294	103.1
	Subtotal	2,059	1,957	105.2	1,987	103.6
Specified Scale Demand	Commercial	1,284	1,273	100.8	-	-
	Industrial and others	3,003	2,741	109.6	-	-
	Subtotal	4,287	4,014	106.8	4,081	105.0
Total power sold		6,346	5,971	106.3	6,068	104.6

(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	2,292	2,074	110.5

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

Foodstuffs	102.6	Pulp and paper	105.8	Chemicals	106.9
Ceramics, stone and clay	112.4	Steel	132.1	Non-ferrous metals	114.9
Machinery	108.1				

(Table 2)

Overview of power supply during June 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	693	534	159	129.7
		Reservoir/pumped-storage	67	63	4	106.6
		Subtotal	760	597	163	127.3
	Thermal		2,474	3,741	-1,267	66.1
	Nuclear		2,008	1,015	993	197.7
	Renewable★		66	100	-34	66.1
	Subtotal		5,308	5,453	-145	97.3
	Power purchased from others		1,972	1,950	22	101.2
Interchange power		-352	-765	413	46.0	
Pumping-up power		-3	-2	-1	130.8	
Total		6,925	6,636 (6,672)	289	104.4 (103.8)	
Water flow rate		106.8	76.1	30.7	-	

(): Planned kWh, current month

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