

November 25, 2010

Electricity Supply & Demand Report for October 2010

1. Electricity demand (See Table 1)

Electric power sold in October totaled 6.412 billion kWh, which was 102.8% 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 99.6% compared to the same period of the previous year.

This was primarily because of the fact that the time span for meter reading was shorter than the previous year, in spite of higher temperature by mid-September, resulting in a higher demand for air-conditioning.

Non-specified scale demand in total was 99.6% 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 higher temperature by mid-September which created a higher demand for air-conditioning.

Overall power demand in the specified-scale sectors totaled 104.4% 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 104.7% year-on-year, which exceeded the result of the previous year for the eleventh consecutive month. This was because of a rebound from significant decrease in October 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 October totaled 7.060 billion kWh, 102.2% compared to the same period of the previous year.

(Power generated by our own hydro power plants)

Due to low precipitation, there was a drought during this period with a low water flow rate of 88.4%. Hydropower generation totaled 463 million kWh, an increase of 8 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Due to an increase of demand, thermal power generated at our own plants totaled 3.388 billion kWh, an increase of 253 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 1.854 billion kWh, an increase of 205 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 69 million kWh, a decrease of 17 million kWh from the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others fell to 1.436 billion kWh, a decrease of 415 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 October 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	1,789	1,796	99.6	1,741	102.8
	Power	304	305	99.6	294	103.5
	Subtotal	2,093	2,101	99.6	2,035	102.9
Specified Scale Demand	Commercial	1,290	1,254	102.9	-	-
	Industrial and others	3,029	2,884	105.0	-	-
	Subtotal	4,319	4,138	104.4	4,151	104.0
Total power sold		6,412	6,239	102.8	6,186	103.7

(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	2,342	2,237	104.7

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

Foodstuffs	103.5	Pulp and paper	91.1	Chemicals	95.6
Ceramics, stone and clay	125.1	Steel	119.0	Non-ferrous metals	112.5
Machinery	101.8				

(Table 2)

Overview of power supply during October 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	Hydroelectr	Natural inflow	433	426	7	101.6
		Reservoir/pumped-storage	30	29	1	103.1
		Subtotal	463	455	8	101.7
	Thermal		3,388	3,135	253	108.0
	Nuclear		1,854	1,649	205	112.5
	Renewable★		69	86	-17	80.6
	Subtotal		5,774	5,325	449	108.4
	Power purchased from others		1,436	1,851	-415	77.6
Interchange power		-149	-268	119	55.6	
Pumping-up power		-1	-1	0	129.1	
Total		7,060	6,907 (6,799)	153	102.2 (103.8)	
Water flow rate		88.4	80.2	8.2	-	

(): Planned kWh, current month

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