

December 27, 2010

Electricity Supply & Demand Report for November 2010

1. Electricity demand (See Table 1)

Electric power sold in November totaled 6.467 billion kWh, which was 103.5% 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 102.4% compared to the same period of the previous year.

This was primarily because of steady demand growth in Time-Of-Use contract by the increase in all-electric housing.

Non-specified scale demand in total was 101.8% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 101.2% of the same period of the previous year.

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 106.9% year-on-year, which exceeded the result of the previous year for the twelfth consecutive month. This was because of a rebound from significant decrease in November 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 November totaled 7.313 billion kWh, 103.4% 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 108.3%. Hydropower generation totaled 619 million kWh, an increase of 72 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 3.797 billion kWh, an increase of 270 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 1.883 billion kWh, an increase of 286 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 50 million kWh, a decrease of 19 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 1.672 billion kWh, an increase of 39 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 November 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	1,966	1,921	102.4	1,872	105.0
	Power	264	269	97.9	255	103.3
	Subtotal	2,230	2,190	101.8	2,127	104.8
Specified Scale Demand	Commercial	1,275	1,260	101.2	-	-
	Industrial and others	2,962	2,798	105.9	-	-
	Subtotal	4,237	4,058	104.4	4,106	103.2
Total power sold		6,467	6,248	103.5	6,233	103.8

(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	2,280	2,133	106.9

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

Foodstuffs	102.4	Pulp and paper	108.6	Chemicals	106.4
Ceramics, stone and clay	116.5	Steel	127.1	Non-ferrous metals	108.2
Machinery	102.3				

(Table 2)

Overview of power supply during November 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	587	517	70	113.4
		Reservoir/pumped-storage	32	30	2	108.5
		Subtotal	619	547	72	113.2
	Thermal		3,797	3,527	270	107.7
	Nuclear		1,883	1,597	286	117.9
	Renewable★		50	69	-19	71.3
	Subtotal		6,349	5,740	609	110.6
Power purchased from others			1,672	1,633	39	102.4
Interchange power			-707	-300	-407	235.5
Pumping-up power			-1	0	-1	786.7
Total			7,313	7,073 (7,092)	240	103.4 (103.1)
Water flow rate			108.3	90.7	17.6	-

(): Planned kWh, current month

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