

January 25, 2011

Electricity Supply & Demand Report for December 2010

1. Electricity demand (See Table 1)

Electric power sold in December totaled 6.990 billion kWh, which was 102.9% 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 102.6% 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, in spite of higher temperature than the previous year, resulting in lower demand for heating.

Non-specified scale demand in total was 102.2% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 99.6% of the same period of the previous year. This was primarily because of higher temperature than the previous year which created a lower demand for heating.

Overall power demand in the specified-scale sectors totaled 103.3% 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 106.0% year-on-year, which exceeded the result of the previous year for the thirteenth consecutive month. This was because of a rise in production level centering on Steel and Non-ferrous metals compared with the previous year.

2. Electricity supply (See Table 2)

Electricity generated and purchased in December totaled 8.156 billion kWh, 101.3% 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 114.5%. Hydropower generation totaled 742 million kWh, an increase of 139 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 4.199 billion kWh, an increase of 380 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 fell to 1.850 billion kWh, a decrease of 429 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 73 million kWh, an increase of 6 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 2.082 billion kWh, an increase of 79 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 December 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	2,312	2,252	102.6	2,328	99.3
	Power	303	306	98.8	311	97.4
	Subtotal	2,615	2,558	102.2	2,639	99.1
Specified Scale Demand	Commercial	1,365	1,372	99.6	-	-
	Industrial and others	3,010	2,865	105.0	-	-
	Subtotal	4,375	4,237	103.3	4,267	102.5
Total power sold		6,990	6,795	102.9	6,906	101.2

(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	2,315	2,184	106.0

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

Foodstuffs	102.1	Pulp and paper	113.1	Chemicals	107.8
Ceramics, stone and clay	104.2	Steel	126.0	Non-ferrous metals	107.7
Machinery	101.2				

(Table 2)

Overview of power supply during December 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	692	579	113	119.4
		Reservoir/pumped-storage	50	24	26	205.3
		Subtotal	742	603	139	122.8
	Thermal		4,199	3,819	380	110.0
	Nuclear		1,850	2,279	-429	81.2
	Renewable★		73	67	6	107.7
	Subtotal		6,864	6,768	96	101.4
Power purchased from others			2,082	2,003	79	104.0
Interchange power			-789	-719	-70	109.8
Pumping-up power			-1	0	-1	-
Total			8,156	8,052 (8,052)	104	101.3 (101.3)
Water flow rate			114.5	86.0	28.5	-

(): Planned kWh, current month

★ 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”.