

February 23, 2011

Electricity Supply & Demand Report for January 2011

1. Electricity demand (See Table 1)

Electric power sold in January totaled 7.943 billion kWh, which was 102.8% compared to the same period of the previous year, which exceeded the result of the previous year for the fourteenth consecutive month. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 101.6% 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, and lower temperature in January than the previous year, resulting in a higher demand for heating.

Non-specified scale demand in total was 101.3% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 100.7% of the same period of the previous year.

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

Overall power demand in the specified-scale sectors totaled 104.0% 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 107.1% year-on-year, which exceeded the result of the previous year for the fourteenth 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)

The total amount of electricity generated and purchased in January hit an all-time high of 8.954 billion kWh, 106.3% 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 113.4%. Hydropower generation totaled 633 million kWh, an increase in 56 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Due to an increase in demand, thermal power generated at our own plants totaled 4.982 billion kWh, an increase in 821 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 1.799 billion kWh, a decrease in 671 million kWh from the same period of the previous year.

(Power generated by our own renewable power plants)[★]

Geothermal generation totaled 70 million kWh, which was equivalent to the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others fell to 2.216 billion kWh, a decrease in 132 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 January 2011

(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 (Residential)	2,943	2,895	101.6	2,805	104.9
	Power	469	473	99.3	430	109.1
	Subtotal	3,412	3,368	101.3	3,235	105.5
Specified Scale Demand	Commercial	1,518	1,506	100.7	-	-
	Industrial and others	3,013	2,851	105.7	-	-
	Subtotal	4,531	4,357	104.0	4,336	104.5
Total power sold		7,943	7,725	102.8	7,571	104.9

(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	2,324	2,169	107.1

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

Foodstuffs	102.9	Pulp and paper	120.1	Chemicals	107.7
Ceramics, stone and clay	118.4	Steel	121.4	Non-ferrous metals	110.1
Machinery	101.2				

(Table 2)

Overview of power supply during January 2011

(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	596	544	52	109.4
		Reservoir/pumped-storage	37	33	4	113.9
		Subtotal	633	577	56	109.7
	Thermal		4,982	4,161	821	119.7
	Nuclear		1,799	2,470	-671	72.8
	Renewable★		70	70	0	100.4
	Subtotal		7,484	7,278	206	102.8
	Power purchased from others		2,216	2,348	-132	94.4
Interchange power		-745	-1,204	459	61.9	
Pumping-up power		-1	-1	0	50.8	
Total		8,954	8,421 (8,338)	533	106.3 (107.4)	
Water flow rate		113.4	101.0	12.4	-	

(): 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”.