

April 28, 2011

Electricity Supply & Demand Report for March 2011

1. Electricity demand (See Table 1)

Electric power sold in March totaled 6.227 billion kWh, which was 86.0% compared to the same period of the previous year, and which fell below the result of the previous year for the first time in sixteen months since November in 2009 because of the Great East Japan Earthquake. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 98.2% compared to the same period of the previous year.

This was primarily because of the Great East Japan Earthquake, in spite of increase in all-electric housing.

Non-specified scale demand in total was 98.3% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 85.5% of the same period of the previous year because of the Great East Japan Earthquake.

Overall power demand in the specified-scale sectors totaled 77.8% 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 69.9% year-on-year because of the Great East Japan Earthquake, in spite of recent steady growth in demand caused by a rise in production level.

2. Electricity supply (See Table 2)

Electricity generated and purchased in March totaled 6.729 billion kWh, 83.8% compared to the same period of the previous year, and which fell below the result of the previous year for the first time in sixteen months since November in 2009 because of the Great East Japan Earthquake. And the diminution 83.8% in electricity generated and purchased was largest ever as monthly data.

(Power generated by our own hydro power plants)

There was a drought during this period with a low water flow rate of 77.4%. Hydropower generation totaled 588 million kWh, a decrease in 218 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Because of the Great East Japan Earthquake, undamaged thermal power plants operated higher than the previous year to offset thermal power generation of damaged power plants. And due to different operational conditions of the thermal power plants, thermal power generated at our own plants totaled 4.356 billion kWh, an increase in 316 million kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Because of the Great East Japan Earthquake, all reactors of Onagawa nuclear power station were shut down automatically. And due to different operational conditions of the nuclear power plants compared to the same period of the previous year, total power generation fell to 354 million kWh, a decrease in 1.721 billion 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 generated fell to 72 million kWh, a decrease in 26 million kWh from the same period of the previous year.

(Power purchased)

Due to shut down of others caused by the Great East Japan Earthquake, and different operational conditions of others, total power purchased from others fell to 1.227 billion kWh, a decrease in 715 million kWh from the same period of the previous year.

(Table 1)

Power demand during March 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)	2,497	2,541	98.2	2,561	97.5
	Power	369	376	98.3	379	97.3
	Subtotal	2,866	2,917	98.3	2,940	97.5
Specified Scale Demand	Commercial	1,205	1,410	85.5	-	-
	Industrial and others	2,156	2,910	74.1	-	-
	Subtotal	3,361	4,320	77.8	4,285	78.4
Total power sold		6,227	7,237	86.0	7,225	86.2

(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	1,567	2,242	69.9

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

Foodstuffs	77.1	Pulp and paper	62.5	Chemicals	100.5
Ceramics, stone and clay	48.7	Steel	52.6	Non-ferrous metals	60.9
Machinery	73.7				

(Table 2)

Overview of power supply during March 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	542	760	-218	71.4
		Reservoir/pumped-storage	46	46	0	100.7
		Subtotal	588	806	-218	73.0
	Thermal		4,356	4,040	316	107.8
	Nuclear		354	2,075	-1,721	17.1
	Renewable★		72	98	-26	72.8
	Subtotal		5,370	7,019	-1,649	76.5
Power purchased from others			1,227	1,942	-715	63.2
Interchange power			150	-921	1,071	-16.2
Pumping-up power			-18	-9	-9	208.5
Total			6,729	8,031 (7,915)	-1,302	83.8 (85.0)
Water flow rate			77.4	117.7	-40.3	-

(): 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”.