

May 25, 2011

Electricity Supply & Demand Report for April 2011

1. Electricity demand (See Table 1)

Electric power sold in April totaled 5.568 billion kWh, which was 79.7% compared to the same period of the previous year, and which fell below the result of the previous year for the second consecutive month because of the Great East Japan Earthquake. And the diminution 79.7% in electricity sales was largest ever as monthly data. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 88.0% compared to the same period of the previous year because of the Great East Japan Earthquake.

Non-specified scale demand in total was 87.5% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 76.9% of the same period of the previous year because of the Great East Japan Earthquake.

Overall power demand in the specified-scale sectors totaled 74.7% 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 71.1% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the second consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in April totaled 5.822 billion kWh, 80.8% compared to the same period of the previous year, and which fell below the result of the previous year for the second consecutive month because of the Great East Japan Earthquake. And the diminution 80.8% 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 96.9%. However, because the number of interruptions at our hydro power plants was small compared to the same period of the previous year, Hydropower generation totaled 917 million kWh, an increase in 15 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 3.304 billion kWh, an increase in 430 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 and Tsunami, all reactors of Onagawa nuclear power station were automatically shut down. Higashidori nuclear power station unit 1 has been shut down due to the 4th regular inspection since February 6, 2011. So, there was no nuclear power generated by our own nuclear power plants.

(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 73 million kWh, a decrease in 2 million kWh from the same period of the previous year.

(Power purchased)

Due to shut down of several plants of others caused by the Great East Japan Earthquake, and different operational conditions of others, total power purchased from others fell to 1.020 billion kWh, a decrease in 987 million kWh from the same period of the previous year.

(Table 1)

Power demand during April 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)	2,096	2,384	88.0	-	-
	Power	292	345	84.5	-	-
	Subtotal	2,388	2,729	87.5	-	-
Specified Scale Demand	Commercial	1,056	1,374	76.9	-	-
	Industrial and others	2,124	2,884	73.6	-	-
	Subtotal	3,180	4,258	74.7	-	-
Total power sold		5,568	6,987	79.7	-	-

(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	1,561	2,195	71.1

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

Foodstuffs	83.1	Pulp and paper	64.2	Chemicals	84.2
Ceramics, stone and clay	66.8	Steel	38.5	Non-ferrous metals	56.2
Machinery	83.7				

(Table 2)

Overview of power supply during April 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	875	859	16	101.8
		Reservoir/pumped-storage	42	43	-1	97.9
		Subtotal	917	902	15	101.6
	Thermal		3,304	2,874	430	115.0
	Nuclear		0	2,009	-2,009	0.0
	Renewable		73	75	-2	97.4
	Subtotal		4,294	5,860	-1,566	73.3
Power purchased from others			1,002	1,989	-987	50.4
Interchange power			550	-622	1,172	-88.5
Pumping-up power			-24	-18	-6	136.7
Total			5,822	7,209	-1,387	80.8
Water flow rate			96.9	98.8	-1.9	-