

August 26, 2011

Electricity Supply & Demand Report for July 2011

1. Electricity demand (See Table 1)

Electric power sold in July totaled 5.920 billion kWh, which was 89.5% compared to the same period of the previous year, and which fell below the result of the previous year for the fifth consecutive month 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 98.4% compared to the same period of the previous year because of the Great East Japan Earthquake.

Non-specified scale demand in total was 97.9% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 81.9% year-on-year, and which fell below the result of the previous year because of the Great East Japan Earthquake.

Overall power demand in the specified-scale sectors totaled 85.9% 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 86.4% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the fifth consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in July totaled 6.738 billion kWh, 86.0% compared to the same period of the previous year, and which fell below the result of the previous year for the fifth consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

There was a drought during this period with a low water flow rate of 97.2%.

Due to different water flow rate compared to the previous fiscal year, hydropower generation totaled 700 million kWh, a decrease in 112 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 and Tsunami, 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 3.772 billion kWh, an increase in 770 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 rose to 95 million kWh, an increase in 30 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 Tsunami, and different operational conditions of others, total power purchased from others fell to 1.619 billion kWh, a decrease in 354 million kWh from the same period of the previous year.

(Table 1)

Power demand during July 2011

(Units: million kWh; %)

Segments		Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	1,658	1,685	98.4
	Power	302	316	95.3
	Subtotal	1,960	2,001	97.9
Specified Scale Demand	Commercial	1,213	1,482	81.9
	Industrial and others	2,747	3,128	87.8
	Subtotal	3,960	4,610	85.9
Total power sold		5,920	6,611	89.5

(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	2,068	2,394	86.4

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

Foodstuffs	82.4	Pulp and paper	75.5	Chemicals	93.4
Ceramics, stone and clay	83.2	Steel	73.4	Non-ferrous metals	90.8
Machinery	89.4				

(Table 2)

Overview of power supply during July 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	637	750	-113	85.0
		Reservoir/pumped-storage	63	62	1	101.2
		Subtotal	700	812	-112	86.2
	Thermal		3,772	3,065	707	123.1
	Nuclear		0	2,183	-2,183	0.0
	Renewable		95	65	30	145.3
	Subtotal		4,567	6,125	-1,558	74.6
Power purchased from others			1,619	1,973	-354	82.1
Interchange power			578	-256	834	-225.6
Pumping-up power			-26	-6	-20	433.9
Total			6,738	7,836	-1,098	86.0
Water flow rate			97.2	108.7	-11.5	—