

October 28, 2011

Electricity Supply & Demand Report for September 2011

1. Electricity demand (See Table 1)

Electric power sold in September totaled 6.169 billion kWh, which was 85.5% compared to the same period of the previous year, and which fell below the result of the previous year for the seventh consecutive month because of the Great East Japan Earthquake, customers' cooperation for saving electricity and reaction from heat wave in last summer. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 86.3% compared to the same period of the previous year because of the Great East Japan Earthquake, customers' cooperation for saving electricity and reaction from heat wave in last summer.

Non-specified scale demand in total was 85.5% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 79.1% year-on-year, and which fell below the result of the previous year because of the Great East Japan Earthquake and customers' cooperation for saving electricity.

Overall power demand in the specified-scale sectors totaled 85.5% 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 89.2% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the seventh consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in September totaled 6.437 billion kWh, 88.7% compared to the same period of the previous year, and which fell below the result of the previous year for the seventh consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

The flow rate was 103.2% during this period.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima, hydropower generation totaled 345 million kWh, which was decreased 245 million kWh compared to 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 4.163 billion kWh, which was decreased 721 million kWh compared to the same period of the previous year.

(Power generated by our own nuclear power plants)

All units of Onagawa nuclear power station have been shut down because of the Great East Japan Earthquake and the regular inspection. And unit 1 of Higashidori nuclear power station also has been shut down due to the regular inspection. 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 75 million kWh, which was increased 2 million kWh compared to 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 1.597 billion kWh, which was decreased 85 million kWh compared to the same period of the previous year.

(Table 1)

Power demand during September 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)	1,820	2,109	86.3
	Power	332	407	81.5
	Subtotal	2,152	2,516	85.5
Specified Scale Demand	Commercial	1,253	1,584	79.1
	Industrial and others	2,764	3,117	88.7
	Subtotal	4,017	4,701	85.5
Total power sold		6,169	7,217	85.5

(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	2,080	2,333	89.2

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

Foodstuffs	85.5	Pulp and paper	74.2	Chemicals	90.9
Ceramics, stone and clay	89.3	Steel	83.4	Non-ferrous metals	97.3
Machinery	90.8				

(Table 2)

Overview of power supply during September 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	308	546	-238	56.3
		Reservoir/pumped-storage	37	44	-7	84.0
		Subtotal	345	590	-245	58.3
	Thermal		4,163	3,442	721	121.0
	Nuclear		0	1,775	-1,775	0.0
	Renewable		75	73	2	103.2
	Subtotal		4,583	5,880	-1,297	77.9
Power purchased from others			1,597	1,682	-85	95.0
Interchange power			288	-275	563	-104.9
Pumping-up power			-31	-29	-2	109.0
Total			6,437	7,258	-821	88.7
Water flow rate			103.2	108.1	-4.9	—