

December 27, 2011

Electricity Supply & Demand Report for November 2011

1. Electricity demand (See Table 1)

Electric power sold in November totaled 5.818 billion kWh, which was 90.0% compared to the same period of the previous year, and which fell below the result of the previous year for the ninth consecutive month because of the Great East Japan Earthquake and customers' cooperation for saving electricity. Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 90.3% compared to the same period of the previous year because of the Great East Japan Earthquake and customers' cooperation for saving electricity.

Non-specified scale demand in total was 90.3% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 85.8% 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 89.8% 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 90.6% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the ninth consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in November totaled 6.667 billion kWh, 91.2% compared to the same period of the previous year, and which fell below the result of the previous year for the ninth consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

The flow rate was 85.4% during this period.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima and different water rate compared to the previous fiscal year, hydropower generation totaled 322 million kWh, which was decreased 297 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, 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 4.500 billion kWh, which was increased 703 million kWh compared to the same period of the previous year.

(Power generated by our own nuclear power plants)

All units of Onagawa and unit 1 of Higashidori nuclear power station have been shut down because of 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 96 million kWh, which was increased 46 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 different operational conditions of others, total power purchased from others fell to 1.565 billion kWh, which was decreased 170 million kWh compared to the same period of the previous year.

(Table 1)

Power demand during November 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)	1,775	1,966	90.3
	Power	238	264	90.4
	Subtotal	2,013	2,230	90.3
Specified Scale Demand	Commercial	1,094	1,275	85.8
	Industrial and others	2,711	2,962	91.5
	Subtotal	3,805	4,237	89.8
Total power sold		5,818	6,467	90.0

(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	2,067	2,280	90.6

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

Foodstuffs	91.6	Pulp and paper	73.2	Chemicals	92.0
Ceramics, stone and clay	89.3	Steel	89.8	Non-ferrous metals	88.8
Machinery	92.6				

(Table 2)

Overview of power supply during November 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	283	587	-304	48.4
		Reservoir/pumped-storage	39	32	7	117.8
		Subtotal	322	619	-297	52.1
	Thermal		4,500	3,797	703	118.5
	Nuclear		0	1,883	-1,883	0.0
	Renewable		96	50	46	194.9
	Subtotal		4,918	6,349	-1,431	77.5
Power purchased from others			1,565	1,672	-107	93.6
Interchange power			219	-707	926	-31.0
Pumping-up power			-35	-1	-34	4,274.9
Total			6,667	7,313	-646	91.2
Water flow rate			85.4	108.3	-22.9	—