

January 26, 2012

Electricity Supply & Demand Report for December 2011

1. Electricity demand (See Table 1)

Electric power sold in December totaled 6.523 billion kWh, which was 93.3% compared to the same period of the previous year, and which fell below the result of the previous year for the tenth 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 97.4% 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 97.5% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 91.5% 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 90.8% 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 88.9% year-on-year because of the Great East Japan Earthquake, and which fell below the result of the previous year for the tenth consecutive month.

2. Electricity supply (See Table 2)

Electricity generated and purchased in December totaled 7.825 billion kWh, 95.9% compared to the same period of the previous year, and which fell below the result of the previous year for the tenth consecutive month because of the Great East Japan Earthquake.

(Power generated by our own hydro power plants)

The flow rate was 86.6% 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 403 million kWh, which was decreased 339 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 5.152 billion kWh, which was increased 953 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 100 million kWh, which was increased 27 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 1.984 billion kWh, which was decreased 98 million kWh compared to the same period of the previous year.

(Table 1)

Power demand during December 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)	2,253	2,312	97.4
	Power	298	303	98.5
	Subtotal	2,551	2,615	97.5
Specified Scale Demand	Commercial	1,250	1,365	91.5
	Industrial and others	2,722	3,010	90.4
	Subtotal	3,972	4,375	90.8
Total power sold		6,523	6,990	93.3

(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	2,057	2,315	88.9

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

Foodstuffs	90.3	Pulp and paper	64.3	Chemicals	87.7
Ceramics, stone and clay	93.3	Steel	80.4	Non-ferrous metals	90.6
Machinery	90.3				

(Table 2)

Overview of power supply during December 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	Hydroelectric	Natural inflow	358	692	-334	51.7
		Reservoir/pumped-storage	45	50	-5	91.0
		Subtotal	403	742	-339	54.4
	Thermal		5,152	4,199	953	122.7
	Nuclear		0	1,850	-1,850	0.0
	Renewable		100	73	27	137.6
	Subtotal		5,655	6,864	-1,209	82.4
Power purchased from others			1,984	2,082	-98	95.3
Interchange power			234	-789	1,023	-29.6
Pumping-up power			-48	-1	-47	6,275.0
Total			7,825	8,156	-331	95.9
Water flow rate			86.6	114.5	-27.9	—