

April 27, 2012

Electricity Supply & Demand Report for FY2011

1. Electricity demand (See Table 1)

Electric power sold in FY2011 totaled 75,304 million kWh, which was 91.1% compared with the previous fiscal year. It fell below the result of the previous fiscal year sharply, because of the Great East Japan Earthquake and gaining customer support for further energy saving measures.

Furthermore, that the drop of 91.1% over the previous fiscal year is the largest ever drop in annual electric power sold.

Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 94.2% compared with the previous fiscal year. This was primarily because of the Great East Japan Earthquake and gaining customer support for further energy saving measures.

Non-specified scale demand in total was 94.1% of the previous fiscal year.

– Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 86.5% of the previous fiscal year because of the Great East Japan Earthquake and gaining customer support for further energy saving measures.

Overall power demand in the specified-scale sectors totaled 89.3% of the previous fiscal 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 89.9% year-on-year, because of the Great East Japan Earthquake, etc.

2. Electricity supply (See Table 2)

Electricity generated and purchased in FY2011 totaled 82,577 million kWh, 91.5% compared with the previous fiscal year. Because of the Great East Japan Earthquake, it was below the performance of the previous year sharply.

Furthermore, that the result of 91.5% compared with the previous fiscal year is the largest ever drop in annual electricity generated and purchased.

(Power generated by our own hydro power plants)

The water flow rate of this period was 96.6%.

Due to shut down of several plants caused by the heavy rainfall in Niigata and Fukushima, and different water flow rate compared to the previous fiscal year, hydropower generation totaled 6,427 million kWh, a decrease in 1,806 million kWh from the previous fiscal year.

(Power generated by our own thermal power plants)

Because of the Great East Japan Earthquake, thermal power plants which escaped disaster worked 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 51,081 million kWh, which was increased 8,198 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 Great East Japan Earthquake and the regular inspection, 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 previous fiscal year, total power generated rose to 1,038 million kWh, an increase in 187 million kWh from the previous fiscal 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 20,334 million kWh, a decrease in 2,207 million kWh from the previous fiscal year.

(Table 1)

Power demand during FY2011

(Units: million kWh; %)

Segments		Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	24,791	26,324	94.2
	Power	3,996	4,284	93.3
	Subtotal	28,787	30,608	94.1
Specified Scale Demand	Commercial	14,563	16,837	86.5
	Industrial and others	31,954	35,261	90.6
	Subtotal	46,517	52,098	89.3
Total power sold		75,304	82,706	91.1

(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	24,079	26,787	89.9

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

Foodstuffs	89.6	Pulp and paper	73.4	Chemicals	90.8
Ceramics, stone and clay	93.7	Steel	80.4	Non-ferrous metals	91.1
Machinery	92.6				

(Table 2)

Overview of power supply during FY2011

(Units: million kWh; %)

Segments			Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectr	Natural inflow	5,868	7,658	-1,790	76.6
		Reservoir/pumped-storage	559	575	-16	97.1
		Subtotal	6,427	8,233	-1,806	78.1
	Thermal		51,081	42,883	8,198	119.1
	Nuclear		0	20,690	-20,690	0.0
	Renewable		1,038	851	187	122.0
	Subtotal		58,546	72,657	-14,111	80.6
Power purchased from others			20,334	22,541	-2,207	90.2
Interchange power			4,024	-4,809	8,833	-83.7
Pumping-up power			-327	-99	-228	331.3
Total			82,577	90,290	-7,713	91.5
Water flow rate			96.6	102.2	-5.6	-