

January 27, 2016

Electricity Supply & Demand Report for December 2015

1. Electricity demand (See Table 1)

Electric power sold in December totaled 6,352 GWh, which was 94.7% year-on-year. Even with a continuous post-quake reconstruction and a longer period for meter reading, a decrease in heating demand due to extended periods of warmer than normal temperatures and our customers' energy saving efforts lowered our electric power sold year-on-year.

Sales by customer segment were as follows:

– Non-Specified Scale Demand (Excluding deregulated segment)

Even with a continuous post-quake reconstruction and a longer period for meter reading, the power demand in the lighting (residential) sector was 95.3% year-on-year, due to a decreased heating demand caused by extended periods of warmer than normal temperatures and our customers' energy saving efforts.

Non-specified scale demand in total was 93.9% year-on-year.

– Specified Scale Demand (Deregulated segment)

Concerning electric power sold for commercial use, a continuous recovery trend of demand could not cover the decrease in demand due to a decreased heating demand caused by extended periods of warmer than normal temperatures and our customers' energy saving efforts. As a result, our electric power sold for commercial use was 93.6% year-on-year.

Overall power demand in the specified-scale sectors totaled 95.3% year-on-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

Our large-scale industrial demand was 96.5% year-on-year. Despite a continuous post-quake reconstruction, periodic maintenances of some customers' facilities and lower production volume decreased our large-scale industrial demand in total.

2. Electricity supply (See Table 2)

Our electricity generated and purchased in December totaled 7,479 GWh, 90.3% year-on-year, which fell below the performance of the previous year for five consecutive months.

(Power generated by our own hydro power stations)

Our hydro power generated output totaled 759 GWh, a year-on-year increase of 93 GWh, owing to high water flow rate of 118.4%, which was 15.9% higher year-on-year.

(Power generated by our own thermal power stations)

Differences in thermal power stations' operations and other factors decreased our own thermal power generated output to 5,304 GWh, a year-on-year decrease of 340 GWh.

(Power generated by our own nuclear power stations)

All units of Onagawa nuclear power station and unit 1 of Higashidori nuclear power station have been shut down because of regular inspection. Therefore, there was no generated output from nuclear power stations.

(Power generated by our own renewable power stations)

Differences of geothermal power stations' operations and other factors increased our own renewable power generated output to 88 GWh, a year-on-year increase of 3 GWh.

(Power purchased)

Differences in other companies' operation of thermal power stations and other factors decreased our power purchased from others to 1,993 GWh, a year-on-year decrease of 552 GWh.

(Table 1)

Power demand for December 2015

(Units: GWh; %)

Segments		Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)
Non-Specified Scale Demand	Lighting (Residential)	2,152	2,257	95.3
	Power	260	311	83.6
	Subtotal	2,412	2,568	93.9
Specified Scale Demand	Commercial	1,267	1,353	93.6
	Industrial and others	2,672	2,783	96.1
	Subtotal	3,940	4,136	95.3
Total power sold		6,352	6,704	94.7

(Reference)

Large-scale industrial demand

(Units: GWh; %)

	Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	2,014	2,088	96.5

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

Food products	101.6	Pulp and paper	98.3	Chemicals	92.2
Ceramics	99.0	Steel	93.7	Non-ferrous metals	94.9
Machinery	96.6				

(Table 2)

Summary of power supply for December 2015

(Units: GWh; %)

Segments			Actual GWh, Current month (A)	Actual GWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	735	640	95	114.9
		Reservoir/pumped-storage	24	26	(2)	0.0
		Subtotal	759	666	93	114.2
	Thermal		5,304	5,644	(340)	94.0
	Nuclear		0	0	0	0.0
	Renewable		88	85	3	101.9
	Subtotal		6,151	6,395	(244)	96.2
	Power purchased from others		1,993	2,545	(552)	78.4
Interchange power		(663)	(652)	(11)	101.9	
Pumping-up power		(2)	(6)	4	36.2	
Total		7,479	8,282	(803)	90.3	
Water flow rate		118.4	102.5	15.9	-	