

April 26, 2016

Electricity Supply & Demand Report for FY2015

1. Electricity demand (See Table 1)

Electric power sold in FY2015 totaled 75,057 GWh, which was 98.0% compared to the previous year. Although post-quake reconstruction demand continued, a decrease in heating and cooling demand due to extended periods of warmer or cooler than normal temperatures in early spring, latter half of summer and this winter, and energy saving by our customers lowered our electric power sold. In addition, some of our large-scale customers lowered the utilization of their production facilities.

Sales by customer segment were as follows:

For your reference, the comparison with FY2010 is provided in Table 1.

– Non-Specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting (residential) sector was 97.7% compared to the previous year. This was primarily due to a decrease in heating and cooling demand caused by extended periods of warmer or cooler than normal temperatures in early spring, latter half of summer and this winter, and energy saving by our customers. The continued post-quake reconstruction demand could not cover the decline.

Non-specified scale demand in total was 97.3% compared to the previous year.

– Specified Scale Demand (Deregulated segment)

Our electric power sold for commercial use was 97.5% compared to the previous year. Although there was a continuing recovery trend in demand, a decrease in heating and cooling demand due to extended periods of warmer or cooler than normal temperatures in early spring, latter half of summer and this winter lowered our electric power sold for commercial use.

Overall power demand in the specified-scale sectors totaled 98.3% compared to 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

Our large-scale industrial demand was 98.7% compared to the previous year. Decline in production in some customers could not be covered by a demand from post-quake projects and a rebound from some customers' facilities operations which were in periodical maintenance the year before.

2. Electricity supply (See Table 2)

Electricity generated and purchased in FY2015 totaled 82,209 GWh, which was 98.1% compared to the previous year. It fell below the year-before level for the second consecutive year.

For your reference, the comparison with FY2010 is provided in Table 2.

(Power generated by our own hydro power stations)

Our hydro power generated output totaled 7,921 GWh, a year-on-year decrease of 314 GWh, owing to low water flow rate of 98.7%, which was down 4.6% from the year-before rate of 103.3%.

(Power generated by our own thermal power stations)

Our thermal power generated output totaled 57,212 GWh, a year-on-year increase of 613 GWh, due to the decrease in our hydro power generated output and power purchased.

(Power generated by our own nuclear power stations)

All units of the Onagawa Nuclear Power Station and unit 1 of the Higashidori Nuclear Power Station have been shut down because of regular inspections; therefore, there was no generated output from nuclear power stations.

(Power generated by our own facilities using renewables and new energy)

Due to a difference in maintenance period and a lower steam flow in geothermal power stations, the generated output totaled 931 GWh, a year-on-year decrease of 7 GWh.

(Power purchased)

Differences in operational conditions in other companies' thermal power stations and other factors decreased the amount of our power purchased from others to 23,282 GWh, a decrease of 1,549 GWh year-on-year.

(Table 1)

Power demand for FY2015

(Units: GWh; %)

Segments		Actual GWh, Current year (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)	Reference	
					Actual GWh, FY2010 (C)	Comparison with FY2010 (A/C)
Non-Specified Scale Demand	Lighting (Residential)	23,706	24,266	97.7	26,324	90.1
	Power	3,555	3,745	94.9	4,284	83.0
	Subtotal	27,261	28,011	97.3	30,608	89.1
Specified Scale Demand	Commercial	15,148	15,533	97.5	16,837	90.0
	Industrial and others	32,648	33,079	98.7	35,261	92.6
	Subtotal	47,796	48,612	98.3	52,098	91.7
Total power sold		75,057	76,623	98.0	82,706	90.8

(Reference)

Large-scale industrial demand

(Units: GWh; %)

	Actual GWh, Current year (A)	Actual GWh, Previous year (B)	Year-to-year percentage (A/B)	Actual GWh, FY2010 (C)	Comparison with FY2010 (A/C)
Large-scale industrial customers	24,588	24,922	98.7	26,787	91.8

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

(Comparison with FY2010)

Foodstuffs	102.5 (101.1)	Pulp and paper	99.1 (71.9)	Chemicals	96.3 (87.3)
Ceramics, stone and clay	97.8 (119.8)	Steel	97.7 (93.3)	Non-ferrous metals	95.6 (88.8)
Machinery	99.1 (87.9)				

(Table 2)

Summary of power supply for FY2015

(Units: GWh; %)

Segments			Actual GWh, Current year (A)	Actual GWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)	Reference (FY2010)		
			Actual GWh (C)	Difference (A-C)	percentage (A/C)				
Power by our own plants	Hydroelectric	Natural inflow	7,446	7,700	(254)	96.7	7,658	(212)	97.2
		Reservoir/pumped-storage	475	535	(60)	88.8	575	(100)	82.6
		Subtotal	7,921	8,235	(314)	96.2	8,233	(312)	96.2
	Thermal		57,212	56,599	613	101.1	42,883	14,329	133.4
	Nuclear		0	0	0	-	20,690	(20,690)	-
	Renewable		931	938	(7)	99.3	851	80	109.5
	Subtotal		66,064	65,772	292	100.4	72,657	(6,593)	90.9
	Power purchased from others			23,282	24,831	(1,549)	93.8	22,541	741
Interchange power			(7,081)	(6,718)	(363)	105.4	(4,809)	(2,272)	147.3
Pumping-up power			(56)	(56)	0	99.5	(99)	43	56.9
Total			82,209	83,829	(1,620)	98.1	90,290	(8,081)	91.0
Water flow rate			98.7	103.3	(4.6)	-	102.2	(3.5)	-