

April 30, 2015

## **Electricity Supply & Demand Report for FY2014**

### **1. Electricity demand (See Table 1)**

Electric power sold in FY2014 totaled 76,623GWh, which was 98.9% year-on-year. While there were continuous post-quake reconstructions, decrease in air conditioning and heating demand due to a cool summer and a warm winter as well as our customers' power saving efforts and other factors lowered our electricity sales.

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)**

Even with a post-quake reconstruction, power demand in the lighting (residential) sector was 97.8% year-on-year, due to a decrease in air conditioning demand caused by a cool summer and a warm winter as well as our customers' power saving efforts and other factors.

Non-specified scale demand in total was 97.9% year-on-year.

#### **– Specified Scale Demand (Deregulated segment)**

Even with a continuing recovery trend in demand, electric power sold for commercial use was 99.0% year-on-year, because of a decrease in air conditioning demand due to a cool summer and warm winter as well as our customers' saving efforts and other factors.

Overall power demand in the specified-scale sectors totaled 99.5% 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**

Despite a post-quake reconstruction and a continuous recovery of production in some sectors, a decrease in production in some companies lowered our large-scale industrial demand in total. As a result, our large-scale industrial demand was 99.7% year-on-year.

## **2. Electricity supply (See Table 2)**

Electricity generated and purchased in FY2014 totaled 83,829GWh, which was 98.4% year-on-year. It fell below that of the previous year for the first time in three years.

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 8,235GWh, a year-on-year increase of 803GWh, owing to the water flow rate of 103.3% as well as the resumption of the hydro power stations damaged by the torrential rains in Niigata and Fukushima.

(Power generated by our own thermal power stations)

Differences in operation of Haramachi thermal power station and other factors decreased our thermal power generated output to 56,599GWh, a year-on-year decrease of 4,415GWh.

(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 inspections. Therefore, there was no generated output from nuclear power stations.

(Power generated by our own renewable power stations)

Due to a difference in maintenance period as well as an increase in the amount of vapor in geothermal power stations, generated output totaled 938GWh, a year-on-year increase of 61GWh.

(Power purchased)

An increase in power purchased from solar power and other factors pushed up total power purchased from others to 24,831GWh, a year-on-year increase of 890GWh.

(Table 1)

## Power demand for FY2014

(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)	24,266	24,815	97.8	26,324	92.2
	Power	3,745	3,784	99.0	4,284	87.4
	Subtotal	28,011	28,599	97.9	30,608	91.5
Specified Scale Demand	Commercial	15,533	15,697	99.0	16,837	92.3
	Industrial and others	33,079	33,156	99.8	35,261	93.8
	Subtotal	48,612	48,853	99.5	52,098	93.3
Total power sold		76,623	77,452	98.9	82,706	92.6

(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	24,922	24,988	99.7	26,787	93.0

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

(Comparison with FY2010)

Foodstuffs	100.9 (98.6)	Pulp and paper	94.7 (72.5)	Chemicals	103.9 (90.7)
Ceramics, stone and clay	100.7 (122.5)	Steel	89.6 (95.5)	Non-ferrous metals	104.7 (92.9)
Machinery	100.9 (88.7)				

(Table 2)

## Summary of power supply for FY2014

(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	7,700	6,875	825	112.0	7,658	42	100.6
		Reservoir/pumped-storage	535	557	(22)	95.9	575	(40)	93.0
		Subtotal	8,235	7,432	803	110.8	8,233	2	100.0
	Thermal		56,599	61,014	(4,415)	92.8	42,883	13,716	132.0
	Nuclear		0	0	0	-	20,690	(20,690)	-
	Renewable		938	877	61	106.9	851	87	110.3
	Subtotal		65,772	69,323	(3,551)	94.9	72,657	(6,885)	90.5
	Power purchased from others			24,831	23,941	890	103.7	22,541	2,290
Interchange power			(6,718)	(8,045)	1,327	83.5	(4,809)	(1,909)	139.7
Pumping-up power			(56)	(50)	(6)	113.9	(99)	43	57.2
Total			83,829	85,169	(1,340)	98.4	90,290	(6,461)	92.8
Water flow rate			103.3	105.5	(2.2)	-	102.2	1.1	-