

September 30, 2008

## **Electricity Supply & Demand Report for August 2008**

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

Electric power sold in August totaled 7.262 billion kWh, which was 101.4% compared to the same period of the previous year. Sales by customer segment were as follows:

#### **– Non-Specified Scale Demand (Excluding deregulated segment)**

Power demand in the lighting sector was 102.8% compared to the corresponding period of the previous year. This was primarily because of the fact that the time span for meter reading was longer than in the previous year, in spite of the lower temperature in August than the previous year, resulting in a lower demand for air-conditioning.

Non-specified scale demand in total was 102.6% of the same period of the previous year.

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

Electric power sold for commercial use was 100.3% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 100.8% 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**

Industries, especially the non-ferrous metals industry, maintained a steady production level. As a result, large-scale industrial power sales totaled 102.0% of the corresponding period of the previous year, showing continued growth for the 45th consecutive month.

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

Electricity generated and purchased in August totaled 7.730 billion kWh, 95.2% compared to the same period of the previous year, or 96.9% compared to the plan for the month.

(Power generated by our own hydroelectric power plants)

Due to high precipitation around the plant areas, there was ample during this period with a high water flow rate of 105.7%. Hydropower generation totaled 660 million kWh, an increase of 24 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

With a decrease of demand and an increase of both hydroelectric and nuclear power generation, thermal power generated at our own plants totaled 3.953 billion kWh, a decrease of 854 million kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Due to different operational conditions of the Onagawa Nuclear Power Plant Unit No.3 etc. as compared to the previous year, total power generation rose to 2.073 billion kWh, an increase of 240 million kWh from the corresponding period of the previous year.

(Power purchased)

Due to the increased purchase of electricity generated by hydroelectric, total power purchased from other utilities rose to 2.149 billion kWh, an increase of 12 million kWh over the same period of the previous year.

(Table 1)

## Power demand during August 2008

(Units: million kWh; %)

Segments		Actual kWh, Current month (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)	Planned kWh, Current month (C)	Actual over planned (A/C)
Non-Specified Scale Demand	Lighting	2,017	1,962	102.8	2,064	97.7
	Power	411	404	101.8	411	100.2
	Subtotal	2,428	2,366	102.6	2,475	98.1
Specified Scale Demand	Commercial	1,581	1,575	100.3	-	-
	Industrial and others	3,253	3,220	101.1	-	-
	Subtotal	4,834	4,795	100.8	4,798	100.8
Total power sold		7,262	7,161	101.4	7,273	99.9

## (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	2,456	2,409	102.0

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

Foodstuffs	97.4	Pulp and paper	127.4	Chemicals	109.0
Ceramics, stone and clay	102.5	Steel	99.7	Non-ferrous metals	112.3
Machinery	98.1				

(Table 2)

## Overview of power supply during August 2008

(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	607	572	35	106.2
		Reservoir/pumped-storage	53	64	- 11	82.3
		Subtotal	660	636	24	103.8
	Thermal		3,953	4,807	-854	82.2
	Nuclear		2,073	1,833	240	113.1
	Subtotal		6,686	7,276	-590	91.9
Power purchased from others			2,149	2,137	12	100.5
Interchange power			- 1,089	- 1,282	193	84.9
Pumping-up power			- 16	- 13	-3	128.5
Total			7,730	8,118 (7,977)	-388	95.2 (96.9)
Water flow rate			105.7	94.7	11.0	-

( ): Planned kWh, current month