

December 26, 2008

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

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

Electric power sold in November totaled 6.52 billion kWh, which was 97.3% 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 98.0% compared to the corresponding period of the previous year. This was primarily because of the fact that the time span for meter reading was shorter than in the previous year.

Non-specified scale demand in total was 97.9% of the same period of the previous year.

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

Electric power sold for commercial use was 99.5% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 97.0% 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

Because of adjustment of productivity in machinery and steel, large-scale industrial power sales totaled 95.9% of the corresponding period of the previous year. Power sales dropped for the first time in four years.

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

Electricity generated and purchased in November totaled 7.36 billion kWh, 98.0% compared to the same period of the previous year, or 98.6% compared to the plan for the month.

(Power generated by our own hydro power plants)

Due to low precipitation around the plant areas at the beginning and middle of November, there was a drought during this period with a low water flow rate of 80.1%. But hydropower generation totaled 492 million kWh, an increase of 38 million kWh from the same period of the previous year, because of different operational conditions of hydropower plants compared to the same period of the previous year.

(Power generated by our own thermal power plants)

With a decrease of demand and an increase of nuclear power generation, thermal power generated at our own plants totaled 4.136 billion kWh, a decrease of 67 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.2 and No.3 compared to the same period of the previous year, total power generation rose to 1.902 billion kWh, an increase of 722 million kWh from the corresponding period of the previous year.

(Power purchased)

Because other thermal power utilities provided lower availability this year, total power purchased from other utilities dropped to 1.672 billion kWh, a decrease of 445 million kWh from the same period of the previous year.

(Table 1)

## Power demand during November 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	1,956	1,996	98.0	2,026	96.5
	Power	283	290	97.6	284	99.7
	Subtotal	2,239	2,286	97.9	2,310	96.9
Specified Scale Demand	Commercial	1,284	1,290	99.5	-	-
	Industrial and others	2,997	3,124	95.9	-	-
	Subtotal	4,281	4,414	97.0	4,450	96.2
Total power sold		6,520	6,700	97.3	6,760	96.4

(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	2,295	2,394	95.9

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

Foodstuffs	99.1	Pulp and paper	102.7	Chemicals	106.6
Ceramics, stone and clay	94.0	Steel	83.5	Non-ferrous metals	107.4
Machinery	91.3				

(Table 2)

## Overview of power supply during November 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	463	427	36	108.4
		Reservoir/pumped-storage	29	27	2	105.4
		Subtotal	492	454	38	108.3
	Thermal	4,136	4,203	-67	98.4	
	Nuclear	1,902	1,180	722	161.1	
	Subtotal	6,530	5,837	693	111.9	
Power purchased from others		1,672	2,117	-445	79.0	
Interchange power		- 838	- 441	-397	190.3	
Pumping-up power		- 4	- 6	2	52.3	
Total		7,360	7,507 (7,468)	-147	98.0 (98.6)	
Water flow rate		80.1	86.7	-6.6	-	

( ): Planned kWh, current month