

December 22, 2009

## **Electricity Supply & Demand Report for November 2009**

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

Electric power sold in November totaled 6.248 billion kWh, which was 95.8% 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 98.2% compared to the same period of the previous year. This was primarily because of the fact that the time span for meter reading was shorter than the previous year.

Non-specified scale demand in total was 97.8% of the same period of the previous year.

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

Due to the economic downturn and energy-saving, electric power sold for commercial use was 98.2% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 94.8% 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

Because of reduction of output by the economic downturn, large-scale industrial power sales totaled 92.9% of the same period of the previous year. Power sales continued to drop for thirteen months from November 2008.

## 2. Electricity supply (See Table 2)

Electricity generated and purchased in November totaled 7.073 billion kWh, 96.1% compared to the same period of the previous year, or 98.4% compared to the plan for the month.

(Power generated by our own hydro power plants)

Due to low precipitation around the plant areas, there was a drought during this period with a low water flow rate of 90.7%. Hydropower generation totaled 547 million kWh, an increase of 55 million kWh from the same period of the previous year, because there was ample this period compared to the same period of the previous year.

(Power generated by our own thermal power plants)

Due to a decrease of demand, thermal power generated at our own plants totaled 3.596 billion kWh, a decrease of 540 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 Nuclear Power Plants compared to the same period of the previous year, total power generation dropped to 1.597 billion kWh, a decrease of 305 million kWh from the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others fell to 1.633 billion kWh, a decrease of 39 million kWh from the same period of the previous year.

(Table 1)

Power demand during November 2009

(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	1,921	1,956	98.2	1,902	101.0
	Power	269	283	95.0	260	103.4
	Subtotal	2,190	2,239	97.8	2,162	101.3
Specified Scale Demand	Commercial	1,260	1,284	98.2	-	-
	Industrial and others	2,798	2,997	93.4	-	-
	Subtotal	4,058	4,281	94.8	4,231	95.9
Total power sold		6,248	6,520	95.8	6,393	97.7

(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	2,133	2,295	92.9

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

Foodstuffs	100.9	Pulp and paper	93.1	Chemicals	87.5
Ceramics, stone and clay	82.1	Steel	94.8	Non-ferrous metals	91.2
Machinery	92.6				

(Table 2)

## Overview of power supply during November 2009

(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	517	463	54	111.6
		Reservoir/pumped-storage	30	29	1	105.4
		Subtotal	547	492	55	111.3
	Thermal		3,596	4,136	-540	86.9
	Nuclear		1,597	1,902	-305	84.0
	Subtotal		5,740	6,530	-790	87.9
Power purchased from others			1,633	1,672	-39	97.7
Interchange power			-300	-838	538	35.8
Pumping-up power			0	-4	4	3.0
Total			7,073	7,360 (7,186)	-287	96.1 (98.4)
Water flow rate			90.7	80.1	10.6	-

( ): Planned kWh, current month