

November 25, 2009

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

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

Electric power sold in October totaled 6.239 billion kWh, which was 94.8% 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 102.4% compared to the same period of the previous year. This was primarily because of the fact that the time span for meter reading was longer than the previous year.

Non-specified scale demand in total was 101.5% 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 96.3% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 91.7% 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 89.6% of the same period of the previous year. Power sales continued to drop for twelve months from November 2008.

## 2. Electricity supply (See Table 2)

Electricity generated and purchased in October totaled 6.907 billion kWh, 95.2% compared to the same period of the previous year, or 99.2% compared to the plan for the month.

(Power generated by our own hydro power plants)

In spite of temporary amplex by typhoon, due to low precipitation in other period around the plant areas, there was a drought during this period with a low water flow rate of 80.2%. Hydropower generation totaled 455 million kWh, an increase of 21 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 3.221 billion kWh, a decrease of 867 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 1.649 billion kWh, a decrease of 424 million kWh from the same period of the previous year.

(Power purchased)

Due to different operational conditions of others, total power purchased from others rose to 1.851 billion kWh, an increase of 253 million kWh from the same period of the previous year.

(Table 1)

## Power demand during October 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	1,796	1,755	102.4	1,785	100.6
	Power	305	315	96.9	306	99.8
	Subtotal	2,101	2,070	101.5	2,091	100.5
Specified Scale Demand	Commercial	1,254	1,302	96.3	-	-
	Industrial and others	2,884	3,208	89.9	-	-
	Subtotal	4,138	4,510	91.7	4,290	96.4
Total power sold		6,239	6,580	94.8	6,381	97.8

## (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	2,237	2,497	89.6

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

Foodstuffs	98.5	Pulp and paper	87.5	Chemicals	93.2
Ceramics, stone and clay	81.2	Steel	82.4	Non-ferrous metals	91.9
Machinery	86.4				

(Table 2)

## Overview of power supply during October 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	426	406	20	105.1
		Reservoir/pumped-storage	29	28	1	102.5
		Subtotal	455	434	21	104.9
	Thermal		3,221	4,088	-867	78.8
	Nuclear		1,649	2,073	-424	79.5
	Subtotal		5,325	6,595	-1,270	80.7
Power purchased from others			1,851	1,598	253	115.8
Interchange power			-268	-928	660	28.9
Pumping-up power			-1	-6	5	14.5
Total			6,907	7,259 (6,963)	-352	95.2 (99.2)
Water flow rate			80.2	78.1	2.1	-

( ): Planned kWh, current month