

June 23, 2009

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

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

Electric power sold in May totaled 6.022 billion kWh, which was 90.4% 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 95.2% 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 94.8% of the same period of the previous year.

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

Electric power sold for commercial use was 99.0% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 88.0% 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 reduction of output by sudden changes in the world economic situation, large-scale industrial power sales totaled 82.0% of the same period of the previous year. Power sales continued to drop for seven months from November 2008.

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

Electricity generated and purchased in May totaled 6.471 billion kWh, 91.6% compared to the same period of the previous year, or 95.4% 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 82.3%. Hydropower generation totaled 822 million kWh, a decrease of 91 million kWh from the same period of the previous year, because there was a drought 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 3.159 billion kWh, a decrease of 527 million kWh from the same period of the previous year.

(Power generated by our own nuclear power plants)

Due to different operational conditions compared to the same period of the previous year, total power generation dropped to 1.214 billion kWh, a decrease of 42 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 1.874 billion kWh, an increase of 55 million kWh from the same period of the previous year.

(Table 1)

## Power demand during May 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	1,907	2,003	95.2	1,966	97.0
	Power	309	335	92.2	315	98.0
	Subtotal	2,216	2,338	94.8	2,281	97.2
Specified Scale Demand	Commercial	1,225	1,237	99.0	-	-
	Industrial and others	2,581	3,085	83.7	-	-
	Subtotal	3,806	4,322	88.0	4,003	95.1
Total power sold		6,022	6,660	90.4	6,284	95.8

## (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	1,969	2,403	82.0

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

Foodstuffs	100.6	Pulp and paper	69.9	Chemicals	82.3
Ceramics, stone and clay	81.9	Steel	70.8	Non-ferrous metals	87.3
Machinery	77.8				

(Table 2)

## Overview of power supply during May 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	758	853	-95	88.8
		Reservoir/pumped-storage	64	60	4	106.5
		Subtotal	822	913	-91	90.0
	Thermal		3,159	3,686	-527	85.7
	Nuclear		1,214	1,256	-42	96.6
	Subtotal		5,195	5,855	-660	88.7
Power purchased from others			1,874	1,819	55	103.0
Interchange power			-585	-593	8	98.6
Pumping-up power			-13	-17	4	72.4
Total			6,471	7,064 (6,782)	-593	91.6 (95.4)
Water flow rate			82.3	93.0	-10.7	

( ): Planned kWh, current month