

October 28, 2008

## **Electricity Supply & Demand Report for the 1st half of FY2008**

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

Electricity sales for the 1st half of FY2008 totaled 40.612 billion kWh, which was 100.6% compared with the corresponding period of the previous year. Sales by customer segment are outlined below. Electricity sales for the 1st half of FY2008 topped the 1st half of FY2007 track record of 40.388 billion kWh, posting an increase for the fifth consecutive year.

#### —Non-specified Scale Demand (Excluding deregulated segment)

As a result of a decrease in demand for air-conditioning, due to higher temperature in early spring and lower temperature in summer compared to the previous year, in spite of increasing in all-electric housing, lighting demand marked a track record of 98.6% compared to the same period of the previous year.

Non-specified scale demand in total was 98.2% of the same period of the previous year.

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

As a result of a decrease in demand for air-conditioning, due to higher temperature in early spring and lower temperature in summer compared with the previous year, commercial use electricity was 99.2% of the same period of the previous year.

Overall power demand in the specified-scale sectors totaled 101.7% of the same period of the previous year.

In the industrial and other electric 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 104.3% of the corresponding period of the previous year,

## 2. Electricity supply (See Table 2)

Total electricity generated and purchased in the 1st half of FY2008 was 44.284 billion kWh, which was 100.3% of the same period of previous year or 99.5% of the planned value.

(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 93.6%. Hydropower generation totaled 4.391 billion kWh, a decrease of 272 million kWh from the same period of the previous year.

(Power generated by our own thermal power plants)

Thermal power generated at our own plants totaled 23.679 billion kWh, a decrease of 287 million kWh from the same period of the previous year. This decrease was primarily an increase of purchased power, because other thermal power utilities provided higher availability this 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 rose to 9.353 billion kWh, an increase of 45 million kWh from the corresponding period of the previous year.

(Power purchased)

Because other thermal power utilities provided higher availability this year, total power purchased from other utilities rose to 11.805 billion kWh, an increase of 338 million kWh from the same period of the previous year.

(Table 1)

Power demand during the 1st half of FY2008

(Units: million kWh; %)

Segments		Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)	Planned kWh, Current year (C)	Actual over planned (A/C)
Non-specified Scale Demand	Electric lighting	11,062	11,218	98.6	11,350	97.5
	Electric power	1,999	2,078	96.2	2,025	98.7
	Subtotal	13,061	13,296	98.2	13,375	97.7
Specified Scale Demand	Commercial use	8,335	8,402	99.2	-	-
	Industrial and others	19,216	18,690	102.8	-	-
	Subtotal	27,551	27,092	101.7	27,336	100.8
Total power sold		40,612	40,388	100.6	40,711	99.8

(Reference)

Sold to large-scale industrial customers

(Units: million kWh; %)

	Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Year-to-year percentage (A/B)
Large-scale industrial customers	14,821	14,205	104.3

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

Foodstuffs	100.1	Pulp and paper	112.5	Chemicals	110.6
Ceramics, stone and clay	100.5	Iron and steel	97.3	Non-ferrous metals	119.2
Machinery	102.3				

(Table 2)

## Overview of power supply during the 1st half of FY2008

(Units: million kWh; %)

Segments			Actual kWh, Current year (A)	Actual kWh, Previous year (B)	Difference (A-B)	Year-to-year percentage (A/B)
Power by our own plants	Hydroelectric	Natural inflow	4,094	4,277	- 183	95.7
		Reservoir/pumped-storage	297	386	-89	76.8
		Subtotal	4,391	4,663	- 272	94.2
	Thermal		23,679	23,966	- 287	98.8
	Nuclear		9,353	9,308	45	100.5
	Subtotal		37,423	37,937	-514	98.6
Power purchased from others			11,805	11,467	338	102.9
Interchange power			- 4,862	- 5,143	281	94.5
Pumping-up power			- 82	- 122	40	66.7
Total			44,284	44,139 (44,515)	145	100.3 (99.5)
Water flow rate			93.6	97.4	- 3.8	-

( ): Planned kWh, current year