

October 29, 2009

Electricity Supply & Demand Report for the 1st half of FY2009

1. Electricity supply and demand (See Table 1)

Electricity sales for the 1st half of FY2009 totaled 37.489 billion kWh, which was 92.3% (growth rate -7.7%) compared with the same period of the previous year. Sales by customer segment are outlined below.

The growth rate of electricity sales in the 1st half of FY2009 over the previous year fell below -7.3% recorded in the 2nd half of FY2008, resulting in the largest-ever drop in a six month period.

—Non-specified Scale Demand (Excluding deregulated segment)

Power demand in the lighting sector was 100.4% compared to the same period of the previous year. This was primarily because of an increase in all-electric housing, in spite of lower demand for air-conditioning, due to lower temperature in summer compared to the previous year.

Power demand in the commercial sector was 96.0% compared to the same period of the previous year due to lower demand for air-conditioning.

Non-specified scale demand in total was 99.8% of the same period of the previous year.

—Specified Scale Demand (Deregulated segment)

Electric power sold for commercial use was 98.0% of the same period of the previous year due to lower demand for air-conditioning.

Overall power demand in the specified-scale sectors totaled 88.8% 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

Because of reduction of output by changes in the economic situation, large-scale industrial power sales totaled 83.0% (growth rate -17.0%) of the same period of the previous year.

The growth rate of electricity sales in large-scale industrial demand in the 1st half of FY2009 over the previous year fell below -15.3% recorded in the 2nd half of FY2008, resulting in the largest-ever drop in a six month period.

2. Electricity supply (See Table 2)

Total electricity generated and purchased in the 1st half of FY2009 was 40.698 billion kWh, which was 91.9% of the same period of previous year or 95.2% 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 83.5%. Hydropower generation totaled 4.032 billion kWh, a decrease of 359 million kWh from 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 22.630 billion kWh, a decrease of 1.049 billion 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 8.157 billion kWh, a decrease of 1.196 billion kWh from the same period of the previous year.

(Power purchased)

Due to a decrease in purchase of electricity generated by thermal power, total power purchased from others dropped to 10.908 billion kWh, a decrease of 897 million kWh from the same period of the previous year.

(Table 1)

Power demand during the 1st half of FY2009

(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	11,109	11,062	100.4	11,247	98.8
	Electric power	1,920	1,999	96.0	1,973	97.3
	Subtotal	13,029	13,061	99.8	13,220	98.6
Specified Scale Demand	Commercial use	8,164	8,335	98.0	-	-
	Industrial and others	16,296	19,216	84.8	-	-
	Subtotal	24,460	27,551	88.8	25,784	94.9
Total power sold		37,489	40,612	92.3	39,004	96.1

(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	12,306	14,821	83.0

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

Foodstuffs	99.9	Pulp and paper	71.1	Chemicals	82.7
Ceramics, stone and clay	78.0	Iron and steel	74.1	Non-ferrous metals	78.9
Machinery	81.2				

(Table 2)

Overview of power supply during the 1st half of FY2009

(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	3,708	4,094	-386	90.5
		Reservoir/pumped-storage	324	297	27	109.3
		Subtotal	4,032	4,391	-359	91.8
	Thermal		22,630	23,679	-1,049	95.6
	Nuclear		8,157	9,353	-1,196	87.2
	Subtotal		34,819	37,423	-2,604	93.0
Power purchased from others			10,908	11,805	-897	92.4
Interchange power			-4,999	- 4,862	-137	102.8
Pumping-up power			-30	- 82	52	37.1
Total			40,698	44,284 (42,761)	-3,586	91.9 (95.2)
Water flow rate			83.5	93.6	-10.1	-

(): Planned kWh, current year