

December 26, 2012

Electricity Supply & Demand Report for November 2012

1. Electricity demand (See Table 1)

Electric power sold in November totaled 5,853 million kWh, which was 100.6% as compared with the same period of the previous year. Low operating rate in large-scale industrial sector offset a rebound in sales after the impact of the Great East Japan Earth Quake, electric power sold was at the same level as the same period of the previous year. It exceeded the results of the previous year for 9 consecutive months.

Electric power sold in the previous year was significantly decreased by the Great East Japan Earthquake, so for your information, the comparison of the year before last year is also shown in Table 1.

– Non-Specified Scale Demand (Excluding deregulated segment)

Due to a demand for earthquake disaster reconstruction, power demand in the lighting (residential) sector was 102.6% as compared with the same period of the previous year, and which exceeded the result of the previous year for 4 consecutive months.

Non-specified scale demand in total was 102.0% of the same period of the previous year.

– Specified Scale Demand (Deregulated segment)

Due to a rebound in sales after the impact of the Great East Japan Earthquake, electric power sold for commercial use was 106.3% year-on-year. It exceeded the results of the previous year for 9 consecutive months.

Overall power demand in the specified-scale sectors totaled 99.9% 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

Large-scale industrial demand in total was 95.9% year-on-year. Due to a low operating rate mainly at export-oriented companies by the slowdown in overseas economy, large-scale industrial demand fell behind the performance of the previous year for the first time in 9 months.

2. Electricity supply (See Table 2)

Electricity generated and purchased in November totaled 6,775 million kWh, 101.6% as compared with the same period of the previous year, and it has exceeded the performance of the previous year for 10 consecutive months.

Electricity generated and purchased in the previous year was significantly decreased by the Great East Japan Earthquake, so for your information, the comparison of the year before the last year is also shown in Table 2.

(Power generated by our own hydro power stations)

The flow rate was 88.8% during this period.

Since hydro power stations had been shut down last year because of the heavy rainfall in Niigata and Fukushima, hydropower generation increased 99 million kWh, year-on-year, to 421 million kWh.

(Power generated by our own thermal power stations)

Due to the increase of the purchased power, generated output decreased 396 million kWh, year-on-year, to 4,104 million kWh.

(Power generated by our own nuclear power stations)

All units of Onagawa nuclear power station and unit 1 of Higashidori nuclear power station have been shut down because of regular inspection, so there was no nuclear power generation.

(Power generated by our own renewable power stations)

Since operation of geothermal power stations was different from that of the same period of the previous year, generated output decreased 12 million kWh, year-over-year, to 84 million kWh.

(Power purchased)

Due to shutdown of power stations caused by the Great East Japan Earthquake last year, total power purchased from others increased 708 million kWh, year-on-year, to 2,273 million kWh.

(Table 1)

Power demand during November 2012

(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 percentage (A/C) | Reference | |
|-------------------------------|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|---|---|--|
| | | | | | | | Actual kWh, The year before last year (D) | The year before last year percentage (A/D) |
| Non-Specified Scale Demand | Lighting (Residential) | 1,821 | 1,775 | 102.6 | 1,873 | 97.2 | 1,966 | 92.6 |
| | Power | 233 | 238 | 97.9 | 238 | 98.0 | 264 | 88.5 |
| | Subtotal | 2,054 | 2,013 | 102.0 | 2,111 | 97.3 | 2,230 | 92.1 |
| Specified Scale Demand | Commercial | 1,162 | 1,094 | 106.3 | - | - | 1,275 | 91.2 |
| | Industrial and others | 2,637 | 2,711 | 97.3 | - | - | 2,962 | 89.0 |
| | Subtotal | 3,799 | 3,805 | 99.9 | 3,975 | 95.6 | 4,237 | 89.6 |
| Total power sold | | 5,853 | 5,818 | 100.6 | 6,086 | 96.2 | 6,467 | 90.5 |

(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) | Actual kWh, The year before last year (C) | The year before last year percentage (A/C) |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|---|
| Large-scale industrial customers | 1,982 | 2,067 | 95.9 | 2,280 | 87.0 |

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

(The year before last year)

| | | | | | |
|--------------------------|------------------|----------------|-----------------|--------------------|----------------|
| Foodstuffs | 104.1 (95.3) | Pulp and paper | 86.2 (63.1) | Chemicals | 88.2 (81.1) |
| Ceramics, stone and clay | 118.3 (105.6) | Steel | 103.3 (92.7) | Non-ferrous metals | 90.4 (80.2) |
| Machinery | 91.6 (84.8) | | | | |

(Table 2)

Overview of power supply during November 2012

(Units: million kWh; %)

| Segments | | | Actual kWh, | Actual kWh, | Difference | Year-to-year | Reference (The year before last year) | | |
|-------------------------|-----------------------------|--------------------------|-------------|-------------|------------|--------------|---------------------------------------|------------|------------|
| | | | Current | Previous | | | percentage | Actual kWh | Difference |
| | | | month | year | (A-B) | (A/B) | (C) | (A-C) | (A/C) |
| | | | (A) | (B) | | | | | |
| Power by our own plants | Hydroelectric | Natural inflow | 402 | 283 | 119 | 141.6 | 587 | (185) | 68.5 |
| | | Reservoir/pumped-storage | 19 | 39 | (20) | 50.8 | 32 | (13) | 59.9 |
| | | Subtotal | 421 | 322 | 99 | 130.6 | 619 | (198) | 68.0 |
| | Thermal | | 4,104 | 4,500 | (396) | 91.2 | 3,797 | 307 | 108.1 |
| | Nuclear | | 0 | 0 | 0 | - | 1,883 | (1,883) | 0.0 |
| | Renewable | | 84 | 96 | (12) | 87.3 | 50 | 34 | 170.2 |
| | Subtotal | | 4,609 | 4,918 | (309) | 93.7 | 6,349 | (1,740) | 72.6 |
| | Power purchased from others | | | 2,273 | 1,565 | 708 | 145.3 | 1,672 | 601 |
| Interchange power | | | (105) | 219 | (324) | (47.7) | (707) | 602 | 14.8 |
| Pumping-up power | | | (2) | (35) | 33 | 6.5 | (1) | (1) | 275.8 |
| Total | | | 6,775 | 6,667 | 108 | 101.6 | 7,313 | (538) | 92.7 |
| Water flow rate | | | 88.8 | 85.4 | 3.4 | - | 108.3 | (19.5) | - |