

## Electricity Demand in July 2008(Confirmed Report)

### Demand Overview (Total Sales of 10 Power Companies)

Electricity demand in July, measured in terms of the total electricity sales of the 10 power companies, was up 3.6% on last year to 77.2 billion kWh.

- **Lighting Demand (up 3.5% on the year, 20.78 billion kWh in total)**
- **Commercial Demand (up 2.3% on the year, 18.52 billion kWh in total)**

Outside the liberalized segment, lighting demand rose by 3.5% due mainly to a combination of increased demand for cooling caused by generally higher temperatures in July compared with last year, and a longer meter-reading period than last year.

Commercial demand in the liberalized segment increased by 2.3%.

### (Reference)

- **Large Industrial Demand (up 6.5% on the year, 27.51 billion kWh in total)**

Large industrial user demand was up for the 36th consecutive month, increasing by 6.5%.

This was due principally to year-on-year growth in all major sectors except textiles..

### Demand Change by Co. & Use

| By Use                             |                        | By Company |        |       |       |          |        |         |         |        |             |         |              |
|------------------------------------|------------------------|------------|--------|-------|-------|----------|--------|---------|---------|--------|-------------|---------|--------------|
|                                    |                        | Hokkaido   | Tohoku | Tokyo | Chubu | Hokuriku | Kansai | Chugoku | Shikoku | Kyushu | 9-Co. Total | Okinawa | 10-Co. Total |
| Other than Eligible Customers' Use | Lighting               | -0.4       | -0.2   | 7.8   | 0.2   | 6.7      | 2.7    | 4.4     | 0.8     | 0.4    | 3.6         | -3.3    | 3.5          |
|                                    | Power                  | -4.0       | 0.6    | 1.6   | -4.6  | 8.5      | -2.0   | -0.0    | -4.1    | -4.4   | -1.3        | 2.3     | -1.0         |
|                                    | Lighting & Power Total | -0.9       | -0.1   | 7.0   | -0.7  | 7.0      | 2.0    | 3.7     | -0.2    | -0.6   | 2.8         | -0.3    | 2.7          |
| Eligible Customers' Use            | Commercial Power       | -2.6       | 2.9    | 1.8   | 2.4   | 14.6     | 2.7    | 0.2     | 11.1    | 0.3    | 2.4         | 0.2     | 2.3          |
|                                    | Industrial Power       | 4.6        | 6.8    | 3.6   | 5.2   | 6.8      | 4.6    | 5.5     | 10.4    | 4.8    | 5.0         | 7.8     | 5.0          |
| Small Total                        |                        | 1.2        | 5.6    | 2.9   | 4.5   | 8.9      | 3.9    | 4.1     | 10.7    | 3.0    | 4.0         | 3.8     | 4.0          |
| Total Electricity Sales            |                        | 0.4        | 3.9    | 4.2   | 3.0   | 8.4      | 3.2    | 4.0     | 6.8     | 1.6    | 3.7         | 0.3     | 3.6          |
| (Large Industry)                   |                        | 6.7        | 8.8    | 4.9   | 6.9   | 7.3      | 6.0    | 6.8     | 11.6    | 6.9    | 6.5         | 4.7     | 6.5          |

### Demand Change by Month & Use

| By Use                             |                               | By Month | Year-on-Year Change (%) |      |      |      |      |      |           |      |      |      |      |      |      |  |
|------------------------------------|-------------------------------|----------|-------------------------|------|------|------|------|------|-----------|------|------|------|------|------|------|--|
|                                    |                               | FY 2007  | Jul. 2007               | Aug. | Sep. | Oct. | Nov. | Dec. | Jan. 2008 | Feb. | Mar. | Apr. | May  | Jun. | Jul. |  |
| Other than Eligible Customers' Use | Lighting Total                | 4.1      | -5.2                    | 2.6  | 4.4  | 8.8  | 1.7  | 5.1  | 5.4       | 14.2 | 10.0 | -1.9 | -0.3 | -0.3 | 3.5  |  |
|                                    | Power                         | 0.6      | -7.9                    | -2.0 | 0.8  | 9.6  | -3.2 | 1.7  | 0.6       | 10.7 | 7.6  | -8.4 | -4.4 | -6.8 | -1.0 |  |
|                                    | Lighting & Power Total        | 3.6      | -5.7                    | 1.8  | 3.7  | 8.9  | 1.0  | 4.6  | 4.7       | 13.7 | 9.6  | -2.8 | -0.9 | -1.3 | 2.7  |  |
| Eligible Customers' Use            | Commercial Power              | 3.3      | 0.6                     | 1.4  | 4.9  | 6.8  | 1.4  | 1.5  | 1.5       | 6.4  | 6.6  | -0.6 | 0.2  | -1.1 | 2.3  |  |
|                                    | Industrial Power              | 3.3      | 1.9                     | 3.2  | 4.2  | 3.8  | 2.1  | 2.1  | 2.9       | 6.6  | 2.6  | 2.2  | 2.7  | 1.1  | 5.0  |  |
|                                    | Eligible Customers' Use Total | 3.3      | 1.5                     | 2.5  | 4.5  | 4.8  | 1.9  | 1.9  | 2.4       | 6.5  | 4.0  | 1.2  | 1.9  | 0.4  | 4.0  |  |
| Total Electricity Sales            |                               | 3.4      | -1.0                    | 2.2  | 4.2  | 6.1  | 1.6  | 2.9  | 3.4       | 9.4  | 6.1  | -0.3 | 0.9  | -0.2 | 3.6  |  |

### (Reference) Large Industry Demand Change by Month & Sector

| By Sector            |  | By Month | Year-on-Year Change (%) |      |      |      |      |      |           |      |      |      |      |      |      |  |
|----------------------|--|----------|-------------------------|------|------|------|------|------|-----------|------|------|------|------|------|------|--|
|                      |  | FY 2007  | Jul. 2007               | Aug. | Sep. | Oct. | Nov. | Dec. | Jan. 2008 | Feb. | Mar. | Apr. | May  | Jun. | Jul. |  |
| Textiles             |  | 0.4      | 2.2                     | 1.5  | 2.6  | 0.7  | -2.8 | -4.5 | -3.7      | 1.1  | -5.6 | -4.4 | -5.3 | -7.7 | -3.4 |  |
| Paper & Pulp         |  | 4.5      | 1.8                     | 4.4  | 4.9  | 0.1  | 4.5  | 8.0  | 9.5       | 10.3 | 7.9  | 8.6  | 9.7  | 4.1  | 7.8  |  |
| Chemicals            |  | 6.9      | 4.6                     | 5.8  | 7.1  | 5.3  | 6.7  | 8.2  | 6.7       | 12.5 | 7.8  | 4.5  | 3.8  | 5.4  | 6.7  |  |
| Ceramics             |  | 2.3      | 2.3                     | 4.6  | 4.3  | 0.6  | 1.2  | -0.3 | -0.3      | 3.5  | -0.9 | -1.2 | 1.7  | 0.8  | 2.1  |  |
| Steel                |  | 1.9      | 1.0                     | 4.6  | 1.1  | 1.1  | -0.7 | 1.5  | 1.9       | 5.7  | 1.1  | 1.4  | 8.7  | 8.0  | 5.3  |  |
| Non-Ferrous Metals   |  | 11.4     | 9.2                     | 10.3 | 11.8 | 10.6 | 9.4  | 12.0 | 12.7      | 18.9 | 10.0 | 7.6  | 7.5  | 6.9  | 10.7 |  |
| Machinery            |  | 5.1      | 3.3                     | 5.4  | 7.6  | 5.8  | 3.5  | 2.7  | 4.8       | 8.6  | 1.9  | 4.5  | 3.9  | 1.1  | 8.0  |  |
| Large Industry Total |  | 4.2      | 3.0                     | 4.8  | 5.8  | 4.0  | 2.8  | 2.8  | 3.8       | 8.0  | 2.2  | 3.3  | 3.8  | 2.2  | 6.5  |  |

## Lighting & Power Demand Volume & Change by Co. & Use

### 1) Sales Volume & Change

| By Use \ By Company     |                         | Hokkaido                            | Tohoku    | Tokyo      | Chubu      | Hokuriku  | Kansai     | Chugoku   | Shikoku   | Kyushu    | 9-Co. Total | Okinawa | 10-Co. Total |
|-------------------------|-------------------------|-------------------------------------|-----------|------------|------------|-----------|------------|-----------|-----------|-----------|-------------|---------|--------------|
|                         |                         | Vol. of Electricity Used (1,000kWh) |           |            |            |           |            |           |           |           |             |         |              |
| By Use                  | Lighting                | 797,077                             | 1,587,922 | 7,074,116  | 2,532,494  | 547,145   | 3,651,116  | 1,340,484 | 707,258   | 2,263,594 | 20,501,206  | 276,699 | 20,777,905   |
|                         | <Residential Lighting>  | 540,912                             | 1,103,644 | 5,065,447  | 1,657,213  | 307,835   | 2,562,587  | 866,566   | 500,612   | 1,523,609 | 14,128,425  | 253,291 | 14,381,716   |
|                         | Power                   | 122,740                             | 311,376   | 1,057,750  | 548,654    | 121,323   | 595,262    | 228,893   | 165,565   | 538,661   | 3,690,224   | 340,011 | 4,030,235    |
|                         | <Low Voltage>           | 104,462                             | 238,930   | 881,784    | 431,272    | 100,511   | 531,613    | 185,090   | 123,248   | 473,429   | 3,070,339   | 61,047  | 3,131,386    |
|                         | Lighting & Power Total  | 919,817                             | 1,899,298 | 8,131,866  | 3,081,148  | 668,468   | 4,246,378  | 1,569,377 | 872,823   | 2,802,255 | 24,191,430  | 616,710 | 24,808,140   |
|                         | Eligible Customers' Use | 1,510,108                           | 4,804,297 | 16,779,433 | 8,543,006  | 1,876,528 | 8,595,473  | 3,701,161 | 1,725,786 | 4,741,321 | 52,277,113  | 119,016 | 52,396,129   |
|                         | <Commercial Power>      | 689,756                             | 1,439,124 | 6,960,234  | 2,128,639  | 538,264   | 3,236,139  | 949,096   | 697,464   | 1,822,111 | 18,460,827  | 60,026  | 18,520,853   |
|                         | <Industrial Power>      | 820,352                             | 3,365,173 | 9,819,198  | 6,414,367  | 1,338,264 | 5,359,334  | 2,752,065 | 1,028,322 | 2,919,210 | 33,816,285  | 58,990  | 33,875,275   |
| Total Electricity Sales |                         | 2,429,925                           | 6,703,595 | 24,911,299 | 11,624,154 | 2,544,996 | 12,841,851 | 5,270,538 | 2,598,609 | 7,543,576 | 76,468,543  | 735,726 | 77,204,269   |
| By Use                  | Lighting                | 99.6                                | 99.8      | 107.8      | 100.2      | 106.7     | 102.7      | 104.4     | 100.8     | 100.4     | 103.6       | 96.7    | 103.5        |
|                         | Power                   | 96.0                                | 100.6     | 101.6      | 95.4       | 108.5     | 98.0       | 100.0     | 95.9      | 95.6      | 98.7        | 102.3   | 99.0         |
|                         | <Low Voltage>           | 95.5                                | 98.4      | 100.7      | 95.5       | 110.5     | 98.4       | 101.3     | 96.5      | 96.5      | 98.7        | 96.3    | 98.6         |
|                         | Lighting & Power Total  | 99.1                                | 99.9      | 107.0      | 99.3       | 107.0     | 102.0      | 103.7     | 99.8      | 99.4      | 102.8       | 99.7    | 102.7        |
|                         | Eligible Customers' Use | 101.2                               | 105.6     | 102.9      | 104.5      | 108.9     | 103.9      | 104.1     | 110.7     | 103.0     | 104.0       | 103.8   | 104.0        |
|                         | <Commercial Power>      | 97.4                                | 102.9     | 101.8      | 102.4      | 114.6     | 102.7      | 100.2     | 111.1     | 100.3     | 102.4       | 100.2   | 102.3        |
|                         | <Industrial Power>      | 104.6                               | 106.8     | 103.6      | 105.2      | 106.8     | 104.6      | 105.5     | 110.4     | 104.8     | 105.0       | 107.8   | 105.0        |
|                         | Total Electricity Sales |                                     | 100.4     | 103.9      | 104.2      | 103.0     | 108.4      | 103.2     | 104.0     | 106.8     | 101.6       | 103.7   | 100.3        |

### 2) Contracted Electricity Volume (1,000 kW) & No. of Contracts

| By Use \ By Company |   | Hokkaido                                  | Tohoku    | Tokyo      | Chubu      | Hokuriku  | Kansai     | Chugoku   | Shikoku   | Kyushu    | 9-Co. Total | Okinawa   | 10-Co. Total |
|---------------------|---|---|-----------|------------|------------|-----------|------------|-----------|-----------|-----------|-------------|-----------|--------------|
|                     |   | Contracted Electricity & No. of Contracts |           |            |            |           |            |           |           |           |             |           |              |
| By Use              | Residential Lighting (No. of Contracts)   | 2,554,107                                 | 4,836,988 | 20,048,220 | 6,587,052  | 1,107,935 | 9,248,617  | 3,365,523 | 1,857,792 | 5,667,325 | 55,273,559  | 650,173   | 55,923,732   |
|                     | Power Total (kW)                          | 1,790,859                                 | 5,344,055 | 16,080,806 | 8,873,528  | 1,813,675 | 8,447,399  | 3,469,759 | 2,545,762 | 6,849,318 | 55,215,161  | 1,416,169 | 56,631,330   |
|                     | <Low Voltage(kW)>                         | 1,510,591                                 | 4,352,577 | 13,792,008 | 6,660,158  | 1,487,504 | 7,311,755  | 2,745,101 | 1,803,763 | 5,426,994 | 45,090,451  | 449,082   | 45,539,533   |
|                     | Lighting & Power Total (No. of Contracts) | 3,786,993                                 | 7,638,706 | 28,510,690 | 10,462,468 | 2,079,010 | 13,441,594 | 5,209,583 | 2,850,594 | 8,439,224 | 82,418,862  | 818,263   | 83,237,125   |

## Demand Volume and Change by Large Industry Sector

### Sales Volume and Change

| By Sector            |                           | By Company                   |                    | Hokkaido  | Tohoku    | Tokyo     | Chubu     | Hokuriku  | Kansai    | Chugoku | Shikoku   | Kyushu     | 9-Co. Total | Okinawa    | 10-Co. Total |
|----------------------|---------------------------|------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|------------|-------------|------------|--------------|
|                      |                           | Mining                       | Manufacturing      |           |           |           |           |           |           |         |           |            |             |            |              |
| Volume<br>(1,000kWh) | Mining &<br>Manufacturing | Mining                       |                    | 5,855     | 10,224    | 14,139    | 5,312     | 26        | 8,593     | 12,869  | 4,658     | 14,270     | 75,946      | 409        | 76,355       |
|                      |                           |                              | Foodstuffs         | 96,184    | 151,869   | 542,549   | 263,831   | 24,374    | 252,850   | 99,278  | 48,827    | 217,172    | 1,696,934   | 8,259      | 1,705,193    |
|                      |                           |                              | Textiles           | 0         | 11,248    | 9,580     | 71,775    | 80,754    | 49,766    | 23,613  | 12,143    | 16,900     | 275,779     | 0          | 275,779      |
|                      |                           |                              | Paper & Pulp       | 106,230   | 109,648   | 223,645   | 143,429   | 30,626    | 79,638    | 56,904  | 176,181   | 36,195     | 962,496     | 539        | 963,035      |
|                      |                           |                              | Chemicals          | 30,473    | 201,564   | 942,805   | 312,432   | 137,127   | 430,537   | 333,813 | 144,073   | 243,251    | 2,776,075   | 1,258      | 2,777,333    |
|                      |                           |                              | Oil/Coal           | 0         | 6,077     | 44,636    | 6,406     | 5,303     | 22,488    | 50,333  | 28,653    | 6,170      | 170,066     | 2,963      | 173,029      |
|                      |                           |                              | Rubber Products    | 75        | 30,923    | 78,121    | 81,414    | 2,126     | 37,682    | 33,301  | 6,107     | 51,942     | 321,691     | 0          | 321,691      |
|                      |                           |                              | Ceramics           | 4,116     | 71,234    | 246,597   | 247,906   | 38,106    | 249,321   | 69,135  | 1,492     | 90,234     | 1,018,141   | 6,284      | 1,024,425    |
|                      |                           |                              | Steel              | 106,578   | 264,693   | 663,773   | 575,217   | 71,262    | 760,273   | 600,569 | 80,925    | 242,766    | 3,366,056   | 14,307     | 3,380,363    |
|                      |                           |                              | Non-Ferrous Metals | 17,314    | 336,269   | 412,522   | 151,768   | 79,786    | 204,785   | 151,039 |           | 169,147    | 1,522,630   | 670        | 1,523,300    |
|                      |                           |                              | Machinery          | 68,950    | 879,984   | 1,959,460 | 2,268,857 | 366,347   | 903,582   | 547,181 | 174,302   | 757,657    | 7,926,320   | 0          | 7,926,320    |
|                      |                           |                              | Others             | 39,698    | 231,393   | 1,023,003 | 557,505   | 155,933   | 491,008   | 122,019 | 55,164    | 182,739    | 2,858,462   | 2,117      | 2,860,579    |
|                      |                           | Manufacturing Total          | 469,618            | 2,294,902 | 6,146,690 | 4,680,540 | 991,744   | 3,481,930 | 2,087,185 | 727,867 | 2,014,173 | 22,894,649 | 36,397      | 22,931,046 |              |
|                      |                           | Mining & Manufacturing Total | 475,473            | 2,305,126 | 6,160,829 | 4,685,852 | 991,770   | 3,490,523 | 2,100,054 | 732,525 | 2,028,443 | 22,970,595 | 36,806      | 23,007,401 |              |
|                      |                           | Others                       | Railways           | 27,689    | 109,958   | 649,420   | 241,256   | 22,881    | 447,089   | 111,163 | 9,537     | 98,761     | 1,717,754   | 769        | 1,718,523    |
|                      |                           |                              | Others             | 59,702    | 201,732   | 1,283,373 | 304,903   | 58,937    | 427,622   | 139,665 | 47,351    | 218,053    | 2,741,338   | 43,880     | 2,785,218    |
|                      |                           |                              | Others Total       | 87,391    | 311,690   | 1,932,793 | 546,159   | 81,818    | 874,711   | 250,828 | 56,888    | 316,814    | 4,459,092   | 44,649     | 4,503,741    |
|                      | Total                     |                              | 562,864            | 2,616,816 | 8,093,622 | 5,232,011 | 1,073,588 | 4,365,234 | 2,350,882 | 789,413 | 2,345,257 | 27,429,687 | 81,455      | 27,511,142 |              |

## Demand Volume and Change by Large Industry Sector

### Sales Volume and Change

| By Sector                  |                              | By Company    |                    | Hokkaido | Tohoku | Tokyo | Chubu | Hokuriku | Kansai | Chugoku | Shikoku | Kyushu | 9-Co. Total | Okinawa | 10-Co. Total |
|----------------------------|------------------------------|---------------|--------------------|----------|--------|-------|-------|----------|--------|---------|---------|--------|-------------|---------|--------------|
|                            |                              | Mining        | Manufacturing      |          |        |       |       |          |        |         |         |        |             |         |              |
| Year-on-Year<br>Change (%) | Mining &<br>Manufacturing    | Mining        |                    | 90.6     | 102.9  | 101.3 | 111.2 | 55.3     | 119.1  | 100.9   | 111.9   | 107.9  | 104.7       | 92.8    | 104.6        |
|                            |                              | Manufacturing | Foodstuffs         | 105.3    | 106.9  | 107.1 | 106.1 | 108.8    | 106.1  | 107.1   | 106.2   | 108.4  | 106.8       | 101.2   | 106.8        |
|                            |                              |               | Textiles           | 0.0      | 93.7   | 97.3  | 95.9  | 95.7     | 96.6   | 102.9   | 88.9    | 103.2  | 96.6        | 0.0     | 96.6         |
|                            |                              |               | Paper & Pulp       | 112.2    | 94.4   | 95.6  | 103.3 | 106.9    | 115.5  | 112.2   | 131.8   | 132.7  | 107.8       | 94.4    | 107.8        |
|                            |                              |               | Chemicals          | 102.2    | 118.4  | 107.4 | 100.8 | 105.8    | 101.6  | 104.2   | 108.1   | 118.1  | 106.8       | 94.8    | 106.7        |
|                            |                              |               | Oil/Coal           | 0.0      | 75.0   | 130.0 | 140.9 | 104.7    | 122.0  | 235.2   | 115.0   | 137.4  | 137.8       | 197.3   | 138.5        |
|                            |                              |               | Rubber Products    | 102.7    | 109.2  | 99.1  | 110.0 | 108.7    | 103.6  | 108.7   | 105.4   | 108.6  | 105.9       | 0.0     | 105.9        |
|                            |                              |               | Ceramics           | 37.6     | 99.3   | 101.6 | 108.9 | 98.6     | 106.3  | 94.2    | 101.9   | 93.8   | 102.1       | 103.3   | 102.1        |
|                            |                              |               | Steel              | 126.2    | 108.4  | 105.7 | 101.1 | 107.2    | 105.8  | 105.6   | 106.6   | 100.9  | 105.3       | 102.2   | 105.3        |
|                            |                              |               | Non-Ferrous Metals | 100.6    | 128.7  | 102.2 | 107.5 | 110.7    | 107.7  | 103.2   |         | 117.3  | 110.7       | 115.1   | 110.7        |
|                            |                              |               | Machinery          | 113.4    | 106.6  | 104.5 | 110.7 | 111.5    | 109.7  | 108.1   | 109.4   | 106.7  | 108.0       | 0.0     | 108.0        |
|                            |                              |               | Others             | 97.1     | 107.5  | 103.1 | 107.0 | 106.1    | 104.3  | 101.6   | 103.5   | 104.6  | 104.5       | 103.4   | 104.5        |
|                            | Manufacturing Total          | 108.6         | 109.6              | 104.5    | 107.4  | 107.2 | 106.3 | 106.8    | 112.4  | 107.8   | 106.8   | 106.2  | 106.8       |         |              |
|                            | Mining & Manufacturing Total | 108.3         | 109.5              | 104.5    | 107.4  | 107.2 | 106.3 | 106.8    | 112.4  | 107.8   | 106.8   | 106.0  | 106.8       |         |              |
|                            | Others                       | Railways      | 99.1               | 103.3    | 109.7  | 103.7 | 112.1 | 106.6    | 105.7  | 108.0   | 105.2   | 106.9  | 97.3        | 106.9   |              |
|                            |                              | Others        | 98.3               | 103.5    | 104.7  | 102.8 | 107.2 | 102.9    | 107.4  | 101.1   | 100.0   | 103.7  | 103.8       | 103.7   |              |
| Others Total               |                              | 98.5          | 103.4              | 106.4    | 103.2  | 108.5 | 104.7 | 106.6    | 102.2  | 101.6   | 104.9   | 103.6  | 104.9       |         |              |
| Total                      |                              | 106.7         | 108.8              | 104.9    | 106.9  | 107.3 | 106.0 | 106.8    | 111.6  | 106.9   | 106.5   | 104.7  | 106.5       |         |              |