

## Electricity Demand in the First Half of Fiscal 2009 (Confirmed Report)

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

Electricity demand in the first half of fiscal 2009, measured in terms of the total electricity sales of the 10 power utilities, was down for two consecutive half terms, declining by 7.7% from the last year to 421.1 billion kWh.

- **Lighting Demand (down 1.3% on the year, 132.60 billion kWh in total)**
- **Commercial Demand (down 1.6% on the year, 104.22 billion kWh in total)**

Outside the liberalized segment, lighting demand declined by 1.3% due principally to decreased demand for cooling caused by generally lower temperatures from July to September compared with the last year.

Commercial demand in the liberalized segment declined by 1.6%.

### (Reference)

- **Large Industrial Demand (down 16.8% on the year, 128.58 billion kWh in total)**

Large industrial demand was down for two consecutive half terms, decreasing 16.8%. This was due mainly to the year-on-year decline in all major sectors including steel.

### Demand Change by Company and Use (% change on year)

By Use \ By Company		By Company											
		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
Other than Eligible Customers' Use	Lighting	1.6	0.4	-1.8	-1.5	-1.2	-1.6	-2.6	-2.6	-0.9	-1.4	1.8	-1.3
	Power	1.8	-4.0	-6.4	-5.8	-10.1	-6.5	-7.5	-3.1	-3.1	-5.5	-0.4	-5.1
	Lighting & Power Total	1.7	-0.2	-2.4	-2.3	-2.7	-2.2	-3.3	-3.1	-1.3	-2.0	0.6	-1.9
Eligible Customers' Use	Commercial Power	-0.8	-2.0	-1.3	-2.2	-3.2	-1.6	-1.9	-2.0	-1.8	-1.7	1.4	-1.6
	Industrial Power	-12.8	-15.2	-14.1	-19.7	-17.5	-13.7	-21.2	-15.4	-12.8	-15.8	-2.7	-15.8
	Sub-total	-7.1	-11.2	-8.7	-15.2	-13.7	-9.2	-15.9	-10.4	-8.5	-10.8	-0.7	-10.7
Total Electricity Sales		-3.6	-7.7	-6.5	-11.4	-10.4	-6.7	-11.9	-7.7	-5.7	-7.7	0.4	-7.7
(Large Industry)		-17.9	-17.0	-14.6	-20.4	-18.0	-13.9	-22.9	-17.6	-14.5	-16.8	-1.7	-16.8

### Demand Change by Use

(Units: 100 GWh, %)

By Use \ By Period		This Period		Prev. 3 Periods					
		1st Half of FY2009		2nd Half of FY2008		1st Half of FY2008		2nd Half of FY2007	
Other than Eligible Customers' Use	Lighting Total	1,326.0	-1.3	1,508.9	-2.3	1,344.0	-0.6	1,544.8	7.6
	Power	228.7	-5.1	226.6	-7.2	240.9	-4.9	244.1	4.6
	Lighting & Power Total	1,554.6	-1.9	1,735.5	-3.0	1,584.9	-1.3	1,788.9	7.2
Eligible Customers' Use	Commercial Power	1,042.2	-1.6	985.9	-1.2	1,059.7	-0.1	997.8	4.1
	Industrial Power	1,614.6	-15.8	1,606.8	-13.5	1,916.7	1.7	1,857.6	3.3
	Eligible Customers' Use Total	2,656.8	-10.7	2,592.6	-9.2	2,976.3	1.0	2,855.4	3.6
Total Electricity Sales		4,211.5	-7.7	4,328.1	-6.8	4,561.2	0.2	4,644.3	4.9

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

(Units: 100 GWh, %)

By Sector \ By Period		This Period		Prev. 3 Periods					
		1st Half of FY2009		2nd Half of FY2008		1st Half of FY2008		2nd Half of FY2007	
Textiles		19.5	-24.4	12.6	-18.4	15.2	-6.4	15.5	-2.5
Paper & Pulp		47.4	-17.2	47.9	-13.6	58.1	6.5	55.4	6.5
Chemicals		126.4	-16.4	0.0	-16.9	161.5	4.9	158.9	7.8
Ceramics		48.4	-19.5	54.1	-11.6	60.2	1.0	61.2	0.6
Steel		136.6	-33.8	147.3	-26.5	206.3	5.3	200.4	1.7
Non-Ferrous Metal		70.9	-18.8	70.2	-19.0	87.3	7.0	86.6	12.2
Machinery		338.6	-20.2	331.5	-19.1	425.5	2.2	409.7	4.5
Large Industry Total		1,285.8	-16.8	1,271.2	-14.6	1,544.5	2.7	1,488.5	3.9

Remarks: The latest revision of Japan Standard Industry Classification applied on April 1, 2008 was reflected to the definition of each industry sector for the figures in and after April 2009.  
The year-on-year basis in and after April 2009 are calculated after the adjustment of the results of the year-ago period according to the latest Japan Standard Industry Classification

# Lighting & Power Demand Volume and Change by Company and Use (1st Half of FY2009)

FEPC

## Electricity Demand in the First Half of Fiscal 2009 (Confirmed Report)

By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
By Use													
Sales Volume (MWh)	Lighting	5,330,036	11,108,898	44,726,706	16,407,600	3,499,187	23,161,299	8,518,246	4,442,715	13,862,858	131,057,545	1,538,691	132,596,236
	<Residential Lighting>	3,514,671	7,513,807	31,742,571	10,590,129	1,808,303	15,790,681	5,219,900	2,999,496	8,906,386	88,085,944	1,377,552	89,463,496
	Power	834,874	1,919,776	5,898,580	3,251,736	653,622	3,266,457	1,300,142	959,462	2,954,296	21,038,945	1,829,125	22,868,070
	<Low Voltage>	626,989	1,468,556	4,884,185	2,443,702	516,521	2,845,123	1,008,277	680,556	2,529,767	17,003,676	289,035	17,292,711
	Lighting & Power Total	6,164,910	13,028,674	50,625,285	19,659,336	4,152,809	26,427,756	9,818,388	5,402,177	16,817,154	152,096,489	3,367,816	155,464,305
	Eligible Customers' Use	8,482,060	24,459,951	87,669,116	40,502,647	8,712,947	43,961,929	18,108,161	8,228,959	24,922,107	265,047,877	633,289	265,681,166
	<Commercial Power>	4,253,042	8,164,475	39,626,515	11,964,509	2,610,342	17,755,146	5,737,450	3,338,713	10,458,820	103,909,012	315,384	104,224,396
	<Industrial Power>	4,229,018	16,295,476	48,042,601	28,538,138	6,102,605	26,206,783	12,370,711	4,890,246	14,463,287	161,138,865	317,905	161,456,770
Total Electricity Sales		14,646,970	37,488,625	138,294,401	60,161,983	12,865,756	70,389,685	27,926,549	13,631,136	41,739,261	417,144,366	4,001,105	421,145,471
Yea-on-year Basis (%)	Lighting	101.6	100.4	98.2	98.5	98.8	98.4	97.4	97.4	99.1	98.6	101.8	98.7
	Power	101.8	96.0	93.6	94.2	89.9	93.5	92.5	94.8	96.9	94.5	99.6	94.9
	<Low Voltage>	97.3	95.5	93.0	92.5	89.2	93.1	91.7	94.5	96.2	93.6	97.4	93.7
	Lighting & Power Total	101.7	99.8	97.6	97.7	97.3	97.8	96.7	96.9	98.7	98.0	100.6	98.1
	Eligible Customers' Use	92.9	88.8	91.3	84.8	86.3	90.8	84.1	89.6	91.5	89.2	99.3	89.3
	<Commercial Power>	99.2	98.0	98.7	97.8	96.8	98.4	98.1	98.0	98.2	98.3	101.4	98.4
	<Industrial Power>	87.2	84.8	85.9	80.3	82.5	86.3	78.8	84.6	87.2	84.2	97.3	84.2
	Total Electricity Sales	96.4	92.3	93.5	88.6	89.6	93.3	88.1	92.3	94.3	92.3	100.4	92.3

## 2) Contracted Electricity Volume (kW) & Number of Contracts

By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
By Use													
Contracted Electricity & Number of Contracts	Residential Lighting (Number of Contracts)	15,251,730	28,747,743	120,321,360	39,118,411	6,500,275	55,150,246	19,872,313	10,982,252	33,579,757	329,524,087	3,930,755	333,454,842
	Power Total (kW)	11,639,110	31,135,789	93,541,474	51,574,583	10,566,645	49,346,309	20,227,779	14,815,460	39,878,850	322,725,999	8,366,211	331,092,210
	<Low Voltage (kW)>	8,855,230	25,572,937	80,733,408	38,861,170	8,707,057	42,910,730	16,053,738	10,594,148	32,011,989	264,300,407	2,622,099	266,922,506
	Lighting & Power Total (Number of Contracts)	22,872,092	45,792,254	171,625,192	62,661,700	12,466,280	80,899,871	31,241,220	17,059,888	50,646,201	495,264,698	4,957,258	500,221,956

Remarks : 1. Figures in < > indicate breakdown.  
2. Figures may not add up due to rounding.

## Demand Volume and Change by Large Industry Sector (1st Half of FY2009)

FEPC

Electricity Demand in the First Half of Fiscal 2009 (Confirmed Report)

By Company			Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total	
By Sector															
Sales Volume (MWh)	Mining & Manufacturing	Mining		43,285	48,505	77,500	23,630	0	40,893	68,079	21,241	76,630	399,763	2,743	402,506
		Manufacturing	Foodstuffs	555,817	819,538	2,990,602	1,367,573	117,310	1,315,042	520,587	257,122	1,176,029	9,119,620	52,007	9,171,627
			Textiles	0	45,357	152,945	458,670	483,669	303,409	191,794	157,427	158,428	1,951,699		1,951,699
			Paper & Pulp	465,749	474,392	1,257,228	749,973	163,820	405,963	254,561	732,023	234,415	4,738,124	3,053	4,741,177
			Chemical	155,872	957,736	4,373,808	1,326,675	564,619	2,200,714	1,347,239	562,981	1,139,236	12,628,880	7,822	12,636,702
			Oil/Coal	8,809	10,217	230,556	28,121	5,071	163,380	160,768	187,336	45,030	839,288	21,524	860,812
			Rubber Products	371	137,661	346,345	329,222	8,633	160,074	130,999	26,660	212,679	1,352,644		1,352,644
			Ceramics	52,221	321,575	1,207,838	1,030,892	154,103	1,305,253	307,195	8,574	422,560	4,810,211	25,510	4,835,721
			Steel	341,128	1,153,505	2,968,609	2,197,050	263,181	3,087,445	2,234,091	361,541	991,889	13,598,439	59,359	13,657,798
			Non-Ferrous Metals	70,971	1,588,014	1,964,155	609,995	415,347	848,726	765,512		827,863	7,090,583	3,077	7,093,660
			Machinery	300,425	3,889,569	8,249,308	9,082,485	1,555,003	4,299,416	2,295,778	834,536	3,357,215	33,863,735		33,863,735
			Others	200,285	1,102,140	5,004,594	2,565,569	725,926	2,347,644	591,062	281,744	850,166	13,669,130	11,346	13,680,476
			Manufacturing Total	2,151,648	10,499,704	28,745,987	19,746,225	4,456,682	16,437,066	8,799,586	3,409,944	9,415,510	103,662,352	183,698	103,846,050
		Mining & Manufacturing Total		2,194,933	10,548,209	28,823,487	19,769,855	4,456,682	16,477,959	8,867,665	3,431,185	9,492,140	104,062,115	186,441	104,248,556
	Others	Railways		160,120	647,647	3,167,460	1,358,107	125,509	2,409,224	624,020	50,261	532,810	9,075,158	4,520	9,079,678
		Other than Railways		323,442	1,109,920	7,089,517	1,653,204	313,980	2,285,189	740,343	256,034	1,214,944	14,986,573	262,084	15,248,657
		Others Total		483,562	1,757,567	10,256,977	3,011,311	439,489	4,694,413	1,364,363	306,295	1,747,754	24,061,731	266,604	24,328,335
	Total			2,678,495	12,305,776	39,080,465	22,781,166	4,896,171	21,172,372	10,232,028	3,737,480	11,239,894	128,123,847	453,045	128,576,892

Remarks: Figures may not add up due to rounding.

The year-on-year basis in and after April 2009 are calculated after the adjustment of the results of the year-ago period according to the latest Japan Standard Industry Classification.

## Demand Volume and Change by Large Industry Sector (1st Half of FY2009)

FEPC

Electricity Demand in the First Half of Fiscal 2009 (Confirmed Report)

By Sector			By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
Year-on-year Basis (%)	Mining & Manufacturing	Mining		135.4	83.5	95.4	80.3	0.0	84.8	89.0	76.7	90.4	91.2	101.7	91.3	
		Manufacturing	Foodstuffs	99.9	99.9	99.5	97.0	93.0	98.1	99.4	97.7	100.8	99.0	107.1	99.0	
			Textiles	0.0	70.9	79.3	75.4	76.8	79.4	80.5	63.5	72.7	75.6		75.6	
			Paper & Pulp	70.5	71.1	89.4	92.5	88.1	93.2	77.7	74.3	96.0	82.8	91.6	82.8	
			Chemical	95.3	82.7	82.2	84.2	90.4	89.2	76.3	79.1	86.5	83.6	104.2	83.6	
			Oil/Coal	56.8	28.3	76.8	65.7	20.2	113.2	67.8	86.4	149.4	80.1	102.8	80.5	
			Rubber Products	83.0	80.0	79.3	77.3	76.9	82.7	74.0	82.9	75.8	78.2		78.2	
			Ceramics	149.5	78.0	84.0	72.6	70.9	92.2	66.7	88.4	74.5	80.5	87.7	80.5	
			Steel	58.0	74.1	70.4	64.5	64.0	64.4	61.9	73.7	67.2	66.2	74.6	66.2	
			Non-Ferrous Metals	73.2	78.9	82.4	72.8	92.2	75.4	88.1		87.0	81.2	91.0	81.2	
			Machinery	77.2	81.2	77.9	76.2	77.7	89.3	78.5	89.3	82.3	79.8		79.8	
			Others	90.2	85.1	88.0	83.7	86.7	89.1	87.5	93.7	86.6	87.1	98.4	87.1	
			Manufacturing Total	78.9	80.9	82.2	77.4	80.7	83.2	74.5	81.3	83.3	80.5	90.1	80.5	
		Mining & Manufacturing Total		79.5	80.9	82.2	77.4	80.7	83.2	74.6	81.3	83.3	80.5	90.2	80.5	
	Others	Railways		99.4	100.4	90.2	99.3	97.7	99.3	98.3	97.2	99.2	95.9	100.0	95.9	
		Other than Railways		95.2	97.8	98.3	97.4	98.0	96.9	97.8	97.7	100.1	98.0	105.0	98.1	
		Others Total		96.6	98.8	95.6	98.2	97.9	98.1	98.0	97.6	99.8	97.2	104.9	97.3	
Total			82.1	83.0	85.4	79.6	82.0	86.1	77.1	82.4	85.5	83.2	98.3	83.2		

Remarks: Figures may not add up due to rounding.

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