

## Electricity Demand in December 2012 (Confirmed Report)

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

- Electricity demand in December 2012, measured in terms of the total electricity sales of the ten power companies, was up year on year basis, increasing by 3.1% to 71.53 billion kWh.

- Outside the liberalized segment, lighting demand grew by 10.6%, due principally to increased heating demands caused by relatively lower temperatures from mid November to December than the previous year and a generally longer meter-reading period compared with a year ago, in spite of efforts by customers for saving electricity.

Commercial demand in the liberalized segment rose by 2.9% due mainly to increased heating demands caused by relatively lower temperatures from mid November to December than previous year, in spite of efforts by companies and other customers for saving electricity.

Lighting Demand (up 10.6% on the year, 26.18 billion kWh in total)

Commercial Demand (up 2.9% on the year, 15.22 billion kWh in total)

(Reference)

Large industrial user demand was down from a year ago for the seventh consecutive month, declining by 4.2%. This was mainly due to a year-on-year decrease in all major industries.

Large Industrial Demand (down 4.2% on the year, 21.28 billion kWh in total)

### Demand Change by Use

By Use		By Month		Year-on-year Change (%)											
		FY2011	Dec. 2011	Jan. 2012	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Other than Eligible Customers' Use	Lighting Total	-5.0	-2.6	-3.0	-1.5	6.8	-4.2	0.0	0.5	-12.4	6.5	0.1	-3.3	3.4	10.6
	Power	-5.3	-0.7	-1.6	-0.3	7.3	-4.7	-1.2	1.8	-16.5	4.2	0.5	-4.1	-0.9	7.5
	Lighting & Power Total	-5.1	-2.4	-2.9	-1.4	6.8	-4.2	-0.1	0.7	-13.0	6.2	0.2	-3.4	2.9	10.2
Eligible Customers' Use	Commercial Power	-8.4	-5.5	-4.2	-2.7	3.7	5.3	3.8	0.7	-3.3	4.4	4.9	3.6	0.5	2.9
	Industrial Power	-3.3	-3.5	-4.5	-0.7	6.5	5.5	2.5	-1.3	-2.2	-0.8	-1.6	-2.4	-4.2	-3.7
	Eligible Customers' Use Total	-5.2	-4.2	-4.4	-1.5	5.5	5.4	2.9	-0.6	-2.6	1.2	0.9	-0.4	-2.6	-1.4
Total Electricity Sales		-5.1	-3.5	-3.7	-1.4	6.1	1.4	1.8	-0.2	-6.3	3.0	0.6	-1.4	-0.7	3.1

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

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	-1.5	4.8	12.2	12.9	12.3	12.4	8.5	7.8	13.3	10.7	1.0	10.6
	Power	5.3	6.7	8.8	10.1	11.6	11.4	5.1	3.9	11.0	8.8	-7.7	7.5
	Lighting & Power Total	-0.2	5.1	11.9	12.5	12.2	12.3	8.2	7.3	13.0	10.5	-3.7	10.2
Eligible Customers' Use	Commercial Power	-2.4	7.0	2.3	3.8	3.3	2.9	4.4	2.4	2.6	2.9	2.3	2.9
	Industrial Power	-11.1	-0.4	-3.0	-4.8	-3.8	-5.9	-3.0	-6.8	-0.1	-3.7	-4.1	-3.7
	Sub-total	-6.9	1.9	-0.8	-2.7	-1.8	-2.8	-0.9	-3.3	0.9	-1.4	-1.1	-1.4
Total Electricity Sales		-3.6	3.2	4.2	2.3	3.2	3.0	2.5	0.9	5.9	3.2	-3.3	3.1
(Large Industry)		-16.5	-1.1	-3.3	-5.4	-4.2	-6.6	-2.9	-8.3	0.2	-4.2	-4.6	-4.2

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

By Sector		By Month		Year-on-year Change (%)											
		FY2011	Dec. 2011	Jan. 2012	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Textiles		-3.5	-7.4	-10.4	-4.7	-8.6	-3.8	-2.8	-10.2	-8.7	-8.5	-7.5	-6.3	-13.2	-8.5
Paper & Pulp		-6.6	-8.0	-7.5	-10.6	-6.2	-3.5	-2.9	-6.8	-9.6	-5.7	-7.0	-10.3	-9.9	-9.0
Chemicals		-3.3	-7.6	-7.9	-5.6	5.8	4.7	-4.9	-7.3	-4.1	-1.6	1.6	-3.8	-5.6	-4.0
Ceramics		-0.6	-1.6	-4.2	0.0	1.7	3.3	0.6	-1.6	-2.7	-4.4	-1.3	-4.2	-4.1	-4.3
Steel		0.3	-1.4	-4.1	2.7	10.1	11.9	5.9	4.7	2.6	-0.1	-1.5	-5.8	-6.6	-6.4
Non-Ferrous Metals		-2.2	-3.8	-7.5	-2.0	17.9	14.2	3.8	2.6	-4.3	-8.1	-5.3	-4.1	-4.8	-6.1
Machinery		-3.9	-4.1	-5.3	-0.4	9.8	8.3	4.5	-3.0	-2.1	-2.6	-5.3	-5.7	-7.2	-6.2
Large Industry Total		-3.2	-3.8	-5.2	-0.7	6.8	5.8	1.9	-2.0	-1.7	-1.3	-2.1	-3.3	-4.7	-4.2

# Lighting & Power Demand Volume and Change by Company and Use (December 2012)

FEPC

## 1) Sales Volume and Change

By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
Sales Volume (MWh)	Lighting	1,057,000	2,361,103	8,767,669	3,255,622	841,431	4,401,793	1,765,344	832,184	2,679,486	25,961,632	218,629	26,180,261
	<Residential Lighting>	611,421	1,418,825	6,010,228	1,955,793	346,522	2,744,729	944,230	481,668	1,496,840	16,010,256	180,127	16,190,383
	Power	271,711	318,083	877,903	504,113	114,982	460,742	198,206	133,630	407,623	3,286,993	238,618	3,525,611
	<Low Voltage>	90,049	233,261	737,653	368,847	86,885	389,578	147,038	86,691	343,281	2,483,283	25,338	2,508,621
	Lighting & Power Total	1,328,711	2,679,186	9,645,572	3,759,735	956,413	4,862,535	1,963,550	965,814	3,087,109	29,248,625	457,247	29,705,872
	Eligible Customers' Use	1,309,450	4,048,865	13,085,350	6,687,060	1,527,764	6,879,165	3,002,477	1,318,962	3,874,851	41,733,944	86,659	41,820,603
	<Commercial Power>	672,267	1,338,383	5,516,901	1,756,959	466,031	2,563,237	876,777	529,844	1,453,999	15,174,398	41,287	15,215,685
	<Industrial Power>	637,183	2,710,482	7,568,450	4,930,101	1,061,733	4,315,928	2,125,700	789,118	2,420,852	26,559,547	45,372	26,604,919
	Total Electricity Sales	2,638,161	6,728,051	22,730,922	10,446,795	2,484,177	11,741,700	4,966,027	2,284,776	6,961,960	70,982,569	543,906	71,526,475
Yea-on-year Basis (%)	Lighting	98.5	104.8	112.2	112.9	112.3	112.4	108.5	107.8	113.3	110.7	101.0	110.6
	Power	105.3	106.7	108.8	110.1	111.6	111.4	105.1	103.9	111.0	108.8	92.3	107.5
	<Low Voltage>	97.9	103.5	109.5	112.1	109.6	112.4	107.1	105.1	111.9	109.3	85.7	109.0
	Lighting & Power Total	99.8	105.1	111.9	112.5	112.2	112.3	108.2	107.3	113.0	110.5	96.3	110.2
	Eligible Customers' Use	93.1	101.9	99.2	97.3	98.2	97.2	99.1	96.7	100.9	98.6	98.9	98.6
	<Commercial Power>	97.6	107.0	102.3	103.8	103.3	102.9	104.4	102.4	102.6	102.9	102.3	102.9
	<Industrial Power>	88.9	99.6	97.0	95.2	96.2	94.1	97.0	93.2	99.9	96.3	95.9	96.3
	Total Electricity Sales	96.4	103.2	104.2	102.3	103.2	103.0	102.5	100.9	105.9	103.2	96.7	103.1

## 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
Contracted Electricity & Number of Contracts	Residential Lighting (Number of Contracts)	2,512,125	4,677,486	19,998,508	6,412,648	1,020,074	9,045,230	3,187,288	1,750,890	5,432,233	54,036,482	672,343	54,708,825
	Power Total (kW)	2,659,004	5,015,071	14,054,968	7,746,257	1,739,954	7,537,757	3,036,918	2,227,195	6,225,877	50,243,001	1,372,566	51,615,567
	<Low Voltage (kW)>	1,394,776	3,927,537	12,404,820	5,944,229	1,352,741	6,655,568	2,478,332	1,658,404	5,126,015	40,942,422	421,017	41,363,439
	Lighting & Power Total (Number of Contracts)	3,954,725	7,660,148	28,851,278	10,506,849	2,097,814	13,606,982	5,225,532	2,846,387	8,570,019	83,319,734	855,725	84,175,459

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

## Demand Volume and Change by Large Industry Sector (December 2012)

FEPC

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												
Sales Volume (MWh)	Mining & Manufacturing	Mining		7,014	12,414	14,278	3,689	0	7,890	13,443	4,659	15,087	78,474	603	79,077
		Manufacturing	Foodstuffs	88,904	125,427	428,020	208,195	15,718	190,676	78,666	38,259	181,136	1,355,001	8,085	1,363,086
			Textiles		5,011	26,385	73,545	77,155	45,763	30,331	26,655	23,754	308,599	0	308,599
			Paper & Pulp	31,077	59,755	185,872	127,801	23,261	61,461	35,167	105,684	35,677	665,755	453	666,208
			Chemical	22,776	160,490	736,953	214,789	104,867	347,395	203,600	90,034	231,206	2,112,110	1,179	2,113,289
			Oil/Coal	0	1,625	36,375	12,295	464	38,286	42,960	34,944	8,102	175,051	3,741	178,792
			Rubber Products		25,300	45,237	49,120	1,502	22,592	23,572	4,245	39,982	211,550	0	211,550
			Ceramics	4,408	70,504	201,941	212,255	32,118	253,805	55,806	1,695	87,580	920,112	5,443	925,555
			Steel	42,527	247,840	671,641	463,914	62,717	606,512	473,919	67,840	214,285	2,851,195	11,881	2,863,076
			Non-Ferrous Metals	6,455	268,882	300,474	103,757	78,408	177,627	125,533		149,840	1,210,976	479	1,211,455
			Machinery	51,121	567,061	1,241,438	1,588,661	244,631	660,029	376,763	134,768	514,231	5,378,703	0	5,378,703
			Others	35,938	172,530	750,571	419,911	125,816	368,703	101,263	50,879	137,406	2,163,017	1,793	2,164,810
	Manufacturing Total	283,206	1,704,425	4,624,908	3,474,243	766,657	2,772,849	1,547,580	555,003	1,623,199	17,352,070	33,054	17,385,124		
	Mining & Manufacturing Total	290,220	1,716,839	4,639,186	3,477,932	766,657	2,780,739	1,561,023	559,662	1,638,286	17,430,544	33,657	17,464,201		
	Others	Railways	34,322	131,448	509,974	226,101	21,579	381,575	107,663	8,699	96,696	1,518,057	640	1,518,697	
Other than Railways		53,335	187,852	995,247	267,237	52,578	370,644	107,004	42,728	190,903	2,267,528	32,082	2,299,610		
Others Total		87,657	319,300	1,505,221	493,338	74,157	752,219	214,667	51,427	287,599	3,785,585	32,722	3,818,307		
Total		377,877	2,036,139	6,144,407	3,971,270	840,814	3,532,958	1,775,690	611,089	1,925,885	21,216,129	66,379	21,282,508		

Remarks: 1. Figures may not add up due to rounding.

## Demand Volume and Change by Large Industry Sector (December 2012)

FEPC

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 Basis (%)	Mining & Manufacturing	Mining		94.0	115.2	98.2	94.9	0.0	93.1	99.1	108.7	103.2	101.1	141.7	101.3	
		Manufacturing	Foodstuffs		97.3	105.5	100.1	100.9	96.2	98.8	97.3	100.9	100.6	100.2	92.3	100.1
			Textiles			92.3	90.0	93.8	88.2	92.5	96.8	99.4	81.5	91.5	0.0	91.5
			Paper & Pulp		52.6	108.2	97.6	96.3	99.4	103.9	77.7	84.0	88.4	91.0	89.8	91.0
			Chemical		106.4	92.7	97.3	91.9	100.1	92.7	89.9	100.2	106.1	96.0	89.0	96.0
			Oil/Coal			99.1	107.5	63.0	100.0	100.8	88.1	96.5	110.2	94.3	92.9	94.2
			Rubber Products			94.4	94.1	90.2	95.3	88.6	92.4	97.7	96.4	92.9	0.0	92.9
			Ceramics		40.3	117.6	95.0	94.4	96.4	94.9	91.2	107.7	97.9	95.7	104.1	95.7
			Steel		60.6	114.7	100.8	86.9	89.2	80.7	102.4	81.4	112.1	93.6	99.6	93.6
			Non-Ferrous Metals		49.4	87.3	92.0	99.1	103.2	96.9	94.3		103.5	93.9	98.8	93.9
			Machinery		93.6	94.7	90.9	94.6	96.4	92.6	99.6	91.3	95.2	93.8	0.0	93.8
			Others		100.0	98.3	96.0	95.7	95.7	97.3	98.5	91.2	96.9	96.5	85.3	96.4
	Manufacturing Total		79.4	98.0	95.6	93.7	96.0	91.4	96.9	91.1	100.0	94.8	96.2	94.8		
	Mining & Manufacturing Total		79.7	98.1	95.6	93.7	96.0	91.4	97.0	91.2	100.0	94.8	96.8	94.8		
	Others	Railways		101.2	100.3	100.9	99.6	98.1	100.3	100.1	100.8	102.0	100.5	92.9	100.5	
Other than Railways			97.5	106.4	100.0	101.8	92.8	103.3	96.9	96.3	100.8	100.8	94.1	100.7		
Others Total			98.9	103.8	100.3	100.8	94.3	101.8	98.5	97.0	101.2	100.7	94.1	100.6		
Total			83.5	98.9	96.7	94.6	95.8	93.4	97.1	91.7	100.2	95.8	95.4	95.8		

Remarks: 1. Figures may not add up due to rounding.