

## Electricity Demand in January 2016 (Confirmed Report)

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

- Electricity demand in January 2016, measured in terms of the total electricity sales of the ten power companies, was down year on year, decreasing by 8.7% to 73.2 billion kWh.

- Outside the liberalized segment, lighting demand dropped by 11.4%, due principally to decreased heating demands caused by relatively higher temperatures from December to early January than the previous year, in addition to a generally shorter meter-reading period compared with a year ago.

Commercial demand in the liberalized segment declined by 9.5%.

Lighting Demand (down 11.4% on the year, 29.76 billion kWh in total)  
Commercial Demand (down 9.5% on the year, 14.36 billion kWh in total)

(Reference)

Large industrial user demand declined year on year for the 21st consecutive month, decreasing by 3.2%.

This was mainly due to a year-on-year decrease in all major industries.

Large Industrial Demand (down 3.2% on the year, 20.44 billion kWh in total)

### Demand Change by Use

By Use		Year-on-year Change (%)													
		By Month	FY2014	Jan. 2015	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Other than Eligible Customers' Use	Lighting Total	-4.0	0.9	-3.0	-4.6	4.1	-4.0	-2.7	-2.3	3.5	-0.9	-2.0	-4.1	-6.9	-11.4
	Power	-5.4	1.0	-4.6	-6.3	2.0	-1.2	-1.9	-4.3	1.6	-3.7	-5.2	-3.4	-8.2	-13.6
	Lighting & Power Total	-4.1	0.0	-3.2	-4.8	3.8	-3.6	-2.6	-2.6	3.2	-1.3	-2.5	-4.0	-7.1	-11.6
Eligible Customers' Use	Commercial Power	-4.0	-1.1	-3.2	-4.0	-2.6	-1.5	-3.9	-5.7	-2.9	-5.1	-6.3	-5.4	-8.0	-9.5
	Industrial Power	-1.3	-1.5	-2.4	-2.5	-1.9	-3.0	-2.5	-2.0	-1.8	-3.0	-3.9	-2.7	-4.6	-4.0
	Eligible Customers' Use Total	-2.3	-1.3	-2.7	-3.1	-2.2	-2.5	-3.0	-3.3	-2.2	-3.8	-4.8	-3.6	-5.8	-6.1
Total Electricity Sales		-3.0	-0.3	-3.0	-3.8	0.1	-2.9	-2.9	-3.1	-0.2	-2.9	-4.0	-3.8	-6.3	-8.7

### 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	-2.4	-11.1	-11.2	-13.8	-11.1	-13.4	-13.2	-11.9	-8.1	-11.4	-9.4	-11.4
	Power	-9.5	-25.0	-12.3	-15.5	-25.2	-14.1	-13.9	-12.6	-9.1	-14.5	2.7	-13.6
	Lighting & Power Total	-4.2	-13.0	-11.3	-14.0	-12.8	-13.4	-13.2	-12.0	-8.2	-11.7	-3.7	-11.6
Eligible Customers' Use	Commercial Power	-10.3	-6.9	-11.0	-6.9	-1.6	-13.5	-7.5	-1.6	-9.6	-9.6	11.6	-9.5
	Industrial Power	-9.8	-2.5	-5.3	-2.8	-1.2	-6.6	-1.3	-1.2	-2.8	-4.0	-7.5	-4.0
	Sub-total	-10.1	-4.0	-7.8	-4.0	-1.3	-9.3	-3.2	-1.4	-5.6	-6.1	1.7	-6.1
Total Electricity Sales		-6.8	-8.1	-9.4	-8.2	-6.5	-11.3	-7.6	-6.8	-6.9	-8.7	-2.9	-8.7
(Large Industry)		-9.5	-1.1	-4.7	-1.8	-0.3	-5.3	-0.9	-0.8	-2.9	-3.2	-3.9	-3.2

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

By Sector		Year-on-year Change (%)													
		By Month	FY2014	Jan. 2015	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Textiles		-2.1	-2.7	1.2	1.9	-1.5	-2.8	-1.1	-5.6	-1.1	-5.9	-3.8	-2.9	-8.8	-5.1
Paper & Pulp		-4.8	-7.8	-7.8	-6.7	-8.5	-4.2	-6.1	-6.7	-7.2	-6.1	-4.1	-9.4	-10.1	-4.3
Chemicals		-1.1	-1.5	-0.8	-2.1	-1.5	-3.5	-3.6	0.2	-0.5	-3.4	-2.3	-9.5	-4.4	-1.9
Ceramics		-2.7	-2.7	-2.7	-5.0	-6.1	-10.5	-8.2	-3.1	-2.6	-4.1	-2.9	-3.3	-4.1	-4.6
Steel		-1.9	-7.4	-8.5	-7.3	-7.6	-7.0	-9.5	-6.5	-6.4	-8.9	-8.1	-2.4	-6.4	-4.3
Non-Ferrous Metals		2.1	4.1	1.0	-1.0	-0.4	-1.5	-0.7	4.4	-2.7	-2.9	-1.8	-2.6	-4.9	-1.8
Machinery		-0.4	-0.3	-0.7	0.2	1.0	-2.4	-0.7	-1.3	-1.5	-2.3	-3.7	-0.9	-4.3	-3.5
Large Industry Total		-1.2	-1.8	-2.6	-2.3	-2.0	-3.3	-2.8	-1.7	-2.0	-3.3	-3.6	-2.6	-4.5	-3.2

# Lighting & Power Demand Volume and Change by Company and Use (January 2016)

FEPC

## 1) Sales Volume and Change

By Use \ By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
		Sales Volume (MWh)	Lighting	1,282,117	2,763,818	9,410,587	3,743,551	1,020,256	5,015,908	1,997,557	1,015,188	3,262,586	29,511,568
<Residential Lighting>	725,208		1,569,237	6,332,736	2,183,170	374,696	3,081,313	1,000,237	550,991	1,740,118	17,557,706	198,617	17,756,323
Power	398,677		373,714	855,106	541,660	118,733	493,415	202,658	153,146	461,315	3,598,424	240,921	3,839,345
<Low Voltage>	106,148		258,063	723,147	409,316	91,313	422,771	154,921	105,045	398,985	2,669,709	26,859	2,696,568
Lighting & Power Total	1,680,794		3,137,532	10,265,694	4,285,211	1,138,989	5,509,323	2,200,215	1,168,334	3,723,901	33,109,993	486,369	33,596,362
Eligible Customers' Use	1,292,303		4,111,091	11,751,214	6,582,529	1,563,138	6,167,979	3,071,643	1,275,340	3,704,702	39,519,939	88,855	39,608,794
<Commercial Power>	673,123		1,394,099	4,915,727	1,749,680	469,988	2,286,540	889,824	508,622	1,422,553	14,310,156	47,288	14,357,444
<Industrial Power>	619,180		2,716,992	6,835,488	4,832,849	1,093,150	3,881,439	2,181,819	766,718	2,282,149	25,209,784	41,567	25,251,351
Total Electricity Sales	2,973,097	7,248,623	22,016,908	10,867,740	2,702,127	11,677,302	5,271,858	2,443,674	7,428,603	72,629,932	575,224	73,205,156	
Yea-on-year Basis (%)	Lighting	97.6	88.9	88.8	86.2	88.9	86.6	86.8	88.1	91.9	88.6	90.6	88.6
	Power	90.5	75.0	87.7	84.5	74.8	85.9	86.1	87.4	90.9	85.5	102.7	86.4
	<Low Voltage>	98.3	82.5	87.5	84.2	82.3	85.6	86.1	87.5	91.3	86.8	104.9	87.0
	Lighting & Power Total	95.8	87.0	88.7	86.0	87.2	86.6	86.8	88.0	91.8	88.3	96.3	88.4
	Eligible Customers' Use	89.9	96.0	92.2	96.0	98.7	90.7	96.8	98.6	94.4	93.9	101.7	93.9
	<Commercial Power>	89.7	93.1	89.0	93.1	98.4	86.5	92.5	98.4	90.4	90.4	111.6	90.5
	<Industrial Power>	90.2	97.5	94.7	97.2	98.8	93.4	98.7	98.8	97.2	96.0	92.5	96.0
	Total Electricity Sales	93.2	91.9	90.6	91.8	93.5	88.7	92.4	93.2	93.1	91.3	97.1	91.3

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

By Use \ 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)	2,498,858	4,619,624	20,174,867	6,407,704	982,978	9,011,962	3,141,119	1,707,129	5,371,957	53,916,198
Power Total (kW)	2,880,149		4,958,163	13,178,189	7,330,964	1,676,121	7,117,149	2,844,937	2,101,936	5,995,078	48,082,686	1,370,010	49,452,696
<Low Voltage (kW)>	1,342,986		3,818,816	11,682,187	5,708,722	1,292,999	6,320,239	2,363,554	1,607,687	5,003,627	39,140,817	425,361	39,566,178
Lighting & Power Total (Number of Contracts)	4,013,402		7,802,267	29,403,395	10,718,448	2,131,877	13,762,182	5,293,836	2,863,090	8,778,873	84,767,370	901,921	85,669,291

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

## Demand Volume and Change by Large Industry Sector (January 2016)

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		6,524	14,103	11,787	2,640	13	6,808	11,775	4,237	13,689	71,576	538	72,114
		Manufacturing	Foodstuffs	84,540	123,392	420,068	199,352	15,469	162,630	83,247	34,684	161,899	1,285,281	8,921	1,294,202
			Textiles		6,215	16,290	62,474	78,507	43,100	29,638	31,739	23,733	291,696	0	291,696
			Paper & Pulp	26,593	56,605	162,652	115,833	20,728	50,238	35,921	91,340	22,651	582,561	448	583,009
			Chemical	17,759	187,872	733,832	211,080	117,350	316,101	217,559	85,512	189,966	2,077,031	1,223	2,078,254
			Oil/Coal	0	1,727	40,081	16,989	302	42,390	40,376	26,938	12,489	181,292	962	182,254
			Rubber Products		22,540	40,685	46,508	1,688	22,058	25,250	4,116	43,272	206,117	0	206,117
			Ceramics	4,110	69,535	155,062	196,487	20,945	207,170	71,792	1,438	70,378	796,917	4,773	801,690
			Steel	39,332	224,935	587,502	439,390	63,454	615,835	496,648	77,458	187,905	2,732,459	10,586	2,743,045
			Non-Ferrous Metals	3,760	297,671	284,938	103,480	85,217	158,563	132,002		153,033	1,218,664	497	1,219,161
			Machinery	46,935	568,066	1,106,978	1,697,101	273,077	578,364	392,429	143,672	516,850	5,323,472	0	5,323,472
			Others	29,556	172,130	631,563	412,522	121,265	332,212	95,526	50,763	131,847	1,977,384	2,063	1,979,447
	Manufacturing Total	252,585	1,730,688	4,179,651	3,501,216	798,002	2,528,661	1,620,388	547,660	1,514,023	16,672,874	29,473	16,702,347		
	Mining & Manufacturing Total	259,109	1,744,791	4,191,439	3,503,856	798,015	2,535,469	1,632,163	551,897	1,527,712	16,744,451	30,011	16,774,462		
	Others	Railways	34,784	132,800	485,911	233,009	27,804	374,462	107,323	8,749	95,430	1,500,272	660	1,500,932	
Other than Railways		49,321	189,312	935,412	251,026	54,209	329,453	108,844	40,711	174,230	2,132,518	33,524	2,166,042		
Others Total		84,105	322,112	1,421,323	484,035	82,013	703,915	216,167	49,460	269,660	3,632,790	34,184	3,666,974		
Total		343,214	2,066,903	5,612,762	3,987,891	880,028	3,239,384	1,848,330	601,357	1,797,372	20,377,241	64,195	20,441,436		

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

## Demand Volume and Change by Large Industry Sector (January 2016)

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		91.1	92.0	88.1	89.2		81.2	92.3	91.4	96.2	90.8	113.7	90.9	
		Manufacturing	Foodstuffs		93.2	101.1	100.7	101.1	100.1	94.5	101.4	99.7	96.8	98.9	109.3	99.0
			Textiles			98.9	63.0	101.0	96.5	90.6	93.1	107.8	102.3	94.9	0.0	94.9
			Paper & Pulp		63.4	95.0	96.2	102.8	88.7	87.7	119.5	102.5	89.2	95.7	92.7	95.7
			Chemical		84.7	106.1	100.1	102.2	102.1	90.1	101.5	100.8	88.8	98.1	106.6	98.1
			Oil/Coal			108.0	96.6	144.0	76.1	95.3	74.7	98.0	105.3	93.9	25.3	92.5
			Rubber Products			93.3	94.3	86.6	97.0	90.2	96.9	99.4	97.0	92.8	0.0	92.8
			Ceramics		123.2	95.9	93.0	102.8	75.6	95.3	95.0	91.1	88.8	95.4	85.8	95.4
			Steel		91.2	104.5	91.6	92.2	94.9	94.6	99.3	97.4	103.0	95.7	102.3	95.7
			Non-Ferrous Metals		83.3	93.3	98.2	95.9	104.5	108.9	98.4		96.8	98.2	108.3	98.2
			Machinery		94.8	96.9	91.0	98.0	101.7	94.0	100.5	97.3	100.5	96.5	0.0	96.5
	Others		93.2	98.6	93.5	96.8	97.3	94.5	97.1	96.7	95.7	95.4	95.8	95.4		
	Manufacturing Total		88.4	98.4	94.6	97.9	99.0	94.4	99.0	99.4	97.2	96.5	91.8	96.5		
	Mining & Manufacturing Total		88.5	98.4	94.5	97.9	99.0	94.4	98.9	99.3	97.2	96.5	92.1	96.5		
Others	Railways		96.9	99.3	97.8	100.7	110.3	97.8	98.6	99.8	99.5	98.7	102.3	98.7		
	Other than Railways		97.9	103.8	97.4	101.0	105.5	93.8	102.6	97.9	95.4	98.1	99.8	98.1		
	Others Total		97.5	101.9	97.6	100.9	107.1	95.9	100.6	98.2	96.8	98.3	99.9	98.4		
Total			90.5	98.9	95.3	98.2	99.7	94.7	99.1	99.2	97.1	96.8	96.1	96.8		

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