

## Electricity Demand in October 2015 (Confirmed Report)

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

- Electricity demand in October 2015, measured in terms of the total electricity sales of the ten power companies, was down year on year, decreasing by 4.0% to 61.2 billion kWh.

- Outside the liberalized segment, lighting demand dropped by 2.0%, due principally to decreased cooling demands caused by relatively lower temperatures from September to early October than the previous year.

Commercial demand in the liberalized segment declined by 6.3%.

Lighting Demand (down 2.0% on the year, 18.21 billion kWh in total)

Commercial Demand (down 6.3% on the year, 13.48 billion kWh in total)

(Reference)

Large industrial user demand declined year on year for the eighteenth consecutive month, decreasing by 3.6%.

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

Large Industrial Demand (down 3.6% on the year, 21.69 billion kWh in total)

### Demand Change by Use

By Use		Year-on-year Change (%)													
		By Month	FY2014	Oct. 2014	Nov.	Dec.	Jan. 2015	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
Other than Eligible Customers' Use	Lighting Total	-4.0	-3.1	-5.2	-1.5	0.9	-3.0	-4.6	4.1	-4.0	-2.7	-2.3	3.5	-0.9	-2.0
	Power	-5.4	-6.4	-5.6	-1.5	1.0	-4.6	-6.3	2.0	-1.2	-1.9	-4.3	1.6	-3.7	-5.2
	Lighting & Power Total	-4.1	-3.6	-5.3	-1.5	0.9	-3.2	-4.8	3.8	-3.6	-2.6	-2.6	3.2	-1.3	-2.5
Eligible Customers' Use	Commercial Power	-4.0	-6.8	-4.1	-2.0	-1.1	-3.2	-4.0	-2.6	-1.5	-3.9	-5.7	-2.9	-5.1	-6.3
	Industrial Power	-1.3	-2.6	-1.6	-0.7	-1.5	-2.4	-2.5	-1.9	-3.0	-2.5	-2.0	-1.8	-3.0	-3.9
	Eligible Customers' Use Total	-2.3	-4.1	-2.4	-1.2	-1.3	-2.7	-3.1	-2.2	-2.5	-3.0	-3.3	-2.2	-3.8	-4.8
Total Electricity Sales		-3.0	-3.9	-3.5	-1.3	-0.3	-3.0	-3.8	0.1	-2.9	-2.9	-3.1	-0.2	-2.9	-4.0

### 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	-1.6	-2.5	0.1	-1.9	0.2	-3.8	-0.6	-2.4	-6.6	-2.0	-4.7	-2.0
	Power	-2.6	-5.4	-2.5	-4.8	-4.6	-8.4	-4.8	-5.6	-7.8	-5.2	-5.5	-5.2
	Lighting & Power Total	-1.7	-2.9	-0.2	-2.4	-0.5	-4.4	-1.1	-2.9	-6.8	-2.4	-5.1	-2.5
Eligible Customers' Use	Commercial Power	-5.7	-2.6	-7.6	-2.3	-1.1	-9.4	-5.2	-4.1	-7.5	-6.4	7.4	-6.3
	Industrial Power	-9.3	-1.6	-6.2	-0.9	-1.2	-6.7	-2.7	-3.5	-2.1	-3.9	-6.6	-3.9
	Sub-total	-7.6	-1.9	-6.8	-1.2	-1.2	-7.7	-3.3	-3.7	-4.2	-4.8	0.9	-4.8
Total Electricity Sales		-5.2	-2.2	-4.5	-1.5	-1.0	-6.6	-2.7	-3.4	-5.1	-4.0	-4.2	-4.0
(Large Industry)		-11.3	-1.0	-6.4	0.1	-0.8	-5.9	-2.5	-3.9	-2.1	-3.6	-5.8	-3.6

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

By Sector		Year-on-year Change (%)													
		By Month	FY2014	Oct. 2014	Nov.	Dec.	Jan. 2015	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
Textiles		-2.1	-4.8	-2.4	0.4	-2.7	1.2	1.9	-1.5	-2.8	-1.1	-5.6	-1.1	-5.9	-3.8
Paper & Pulp		-4.8	-4.5	3.8	2.1	-7.8	-7.8	-6.7	-8.5	-4.2	-6.1	-6.7	-7.2	-6.1	-4.1
Chemicals		-1.1	-2.5	2.4	-2.5	-1.5	-0.8	-2.1	-1.5	-3.5	-3.6	0.2	-0.5	-3.4	-2.3
Ceramics		-2.7	-3.2	-1.8	-3.1	-2.7	-2.7	-5.0	-6.1	-10.5	-8.2	-3.1	-2.6	-4.1	-2.9
Steel		-1.9	-1.7	-3.0	-3.8	-7.4	-8.5	-7.3	-7.6	-7.0	-9.5	-6.5	-6.4	-8.9	-8.1
Non-Ferrous Metals		2.1	1.3	2.5	1.9	4.1	1.0	-1.0	-0.4	-1.5	-0.7	4.4	-2.7	-2.9	-1.8
Machinery		-0.4	-2.0	-1.6	0.9	-0.3	-0.7	0.2	1.0	-2.4	-0.7	-1.3	-1.5	-2.3	-3.7
Large Industry Total		-1.2	-2.3	-1.2	-0.6	-1.8	-2.6	-2.3	-2.0	-3.3	-2.8	-1.7	-2.0	-3.3	-3.6

## Lighting & Power Demand Volume and Change by Company and Use (October 2015)

FEPC

### 1) Sales Volume and Change

By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
By Use													
Sales Volume (MWh)	Lighting	794,361	1,622,288	6,141,488	2,243,386	504,898	2,978,426	1,172,250	615,605	1,876,105	17,948,807	264,374	18,213,181
	<Residential Lighting>	497,955	1,009,658	4,065,495	1,311,436	203,220	1,836,275	613,008	348,492	1,029,025	10,914,564	225,721	11,140,285
	Power	113,085	256,186	662,472	384,905	76,909	376,094	154,436	111,918	348,492	2,484,497	325,815	2,810,312
	<Low Voltage>	94,279	219,083	576,459	307,145	63,527	334,322	119,603	82,439	303,382	2,100,239	46,490	2,146,729
	Lighting & Power Total	907,446	1,878,474	6,803,960	2,628,291	581,807	3,354,520	1,326,686	727,523	2,224,597	20,433,304	590,189	21,023,493
	Eligible Customers' Use	1,243,637	3,845,051	11,956,316	7,022,314	1,478,291	6,402,672	3,023,101	1,234,253	3,897,332	40,102,967	114,319	40,217,286
	<Commercial Power>	589,567	1,110,855	4,724,772	1,674,524	370,095	2,273,951	806,683	432,361	1,431,935	13,414,743	64,862	13,479,605
	<Industrial Power>	654,070	2,734,196	7,231,544	5,347,790	1,108,196	4,128,721	2,216,418	801,892	2,465,397	26,688,224	49,457	26,737,681
Total Electricity Sales		2,151,083	5,723,525	18,760,276	9,650,605	2,060,098	9,757,192	4,349,787	1,961,776	6,121,929	60,536,271	704,508	61,240,779
Yea-on-year Basis (%)	Lighting	98.4	97.5	100.1	98.1	100.2	96.2	99.4	97.6	93.4	98.0	95.3	98.0
	Power	97.4	94.6	97.5	95.2	95.4	91.6	95.2	94.4	92.2	94.8	94.5	94.8
	<Low Voltage>	99.3	94.9	97.4	94.9	94.9	91.1	94.1	93.7	92.2	94.6	93.3	94.6
	Lighting & Power Total	98.3	97.1	99.8	97.6	99.5	95.6	98.9	97.1	93.2	97.6	94.9	97.5
	Eligible Customers' Use	92.4	98.1	93.2	98.8	98.8	92.3	96.7	96.3	95.8	95.2	100.9	95.2
	<Commercial Power>	94.3	97.4	92.4	97.7	98.9	90.6	94.8	95.9	92.5	93.6	107.4	93.7
	<Industrial Power>	90.7	98.4	93.8	99.1	98.8	93.3	97.3	96.5	97.9	96.1	93.4	96.1
	Total Electricity Sales		94.8	97.8	95.5	98.5	99.0	93.4	97.3	96.6	94.9	96.0	95.8

### 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)	2,509,922	4,613,513	20,178,024	6,402,736	985,812	9,007,617	3,148,150	1,711,970	5,379,824	53,937,568	706,337	54,643,905
	Power Total (kW)	1,813,904	4,432,659	13,237,604	7,357,764	1,524,459	7,156,726	2,925,779	2,124,970	6,127,510	46,701,375	1,371,851	48,073,226
	<Low Voltage (kW)>	1,347,347	3,830,025	11,723,773	5,726,745	1,299,707	6,340,040	2,374,426	1,609,967	5,011,967	39,263,997	426,482	39,690,479
	Lighting & Power Total (Number of Contracts)	3,860,262	7,708,196	29,380,220	10,684,885	2,121,479	13,746,679	5,304,914	2,863,519	8,786,389	84,456,543	899,196	85,355,739

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

## Demand Volume and Change by Large Industry Sector (October 2015)

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		7,884	14,101	13,887	3,101	84	8,155	12,267	4,115	14,449	78,043	461	78,504
			Foodstuffs	103,327	138,060	491,750	237,622	17,471	195,949	97,025	41,846	200,839	1,523,889	10,113	1,534,002
			Textiles		6,739	30,554	75,567	85,038	52,654	33,536	30,849	26,234	341,171	0	341,171
			Paper & Pulp	47,216	73,524	175,962	143,481	23,120	58,260	33,302	97,485	25,684	678,034	347	678,381
			Chemical	17,513	161,915	731,366	237,204	118,050	357,945	240,926	91,308	227,091	2,183,318	1,080	2,184,398
			Oil/Coal	8,826	1,520	30,890	19,300	421	17,576	39,933	26,641	13,010	158,117	981	159,098
			Rubber Products		26,758	48,364	59,609	1,775	26,500	25,848	4,632	48,952	242,438	0	242,438
			Ceramics	5,147	76,242	174,733	213,056	29,969	210,617	60,610	1,459	88,082	859,915	5,061	864,976
			Steel	49,914	244,813	599,864	587,726	63,432	649,186	467,623	70,360	178,939	2,911,857	11,810	2,923,667
			Non-Ferrous Metals	4,319	286,996	303,088	115,332	84,731	157,170	114,402		153,847	1,219,885	481	1,220,366
			Machinery	51,284	597,961	1,171,155	1,800,716	275,304	615,380	423,598	152,634	547,089	5,635,121	0	5,635,121
		Others	32,011	180,833	733,222	446,108	125,213	364,941	107,614	55,290	146,879	2,192,111	2,175	2,194,286	
		Manufacturing Total	319,557	1,795,361	4,490,951	3,935,721	824,524	2,706,178	1,644,417	572,504	1,656,646	17,945,859	32,048	17,977,907	
		Mining & Manufacturing Total	327,441	1,809,462	4,504,837	3,938,822	824,608	2,714,333	1,656,684	576,619	1,671,095	18,023,901	32,509	18,056,410	
	Others	Railways	25,621	110,434	473,252	219,878	25,045	352,200	102,329	7,526	88,654	1,404,939	681	1,405,620	
		Other than Railways	48,773	180,143	966,645	254,122	50,118	352,686	107,901	39,965	183,112	2,183,465	40,869	2,224,334	
		Others Total	74,394	290,577	1,439,897	474,000	75,163	704,886	210,230	47,491	271,766	3,588,404	41,550	3,629,954	
	Total		401,835	2,100,039	5,944,734	4,412,822	899,771	3,419,219	1,866,914	624,110	1,942,861	21,612,305	74,059	21,686,364	

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

## Demand Volume and Change by Large Industry Sector (October 2015)

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		90.9	95.7	100.6	88.8		93.0	98.4	93.7	98.7	96.4	99.0	96.4	
		Manufacturing	Foodstuffs		95.3	101.8	101.5	102.5	100.8	95.4	101.4	95.7	96.2	99.5	102.0	99.5
			Textiles			103.0	110.3	82.4	94.1	108.2	91.4	97.1	124.2	96.2	0.0	96.2
			Paper & Pulp		102.2	95.6	83.6	115.9	82.6	88.2	90.6	104.0	101.0	95.9	85.8	95.9
			Chemical		69.7	98.8	92.4	98.7	104.7	97.1	111.6	96.0	102.8	97.8	82.6	97.7
			Oil/Coal		610.4	105.5	81.4	178.8	83.2	55.7	62.3	97.5	110.8	84.6	27.4	83.5
			Rubber Products			97.0	90.9	92.4	94.9	93.1	93.8	98.2	92.9	93.0	0.0	93.0
			Ceramics		55.4	103.1	95.2	100.9	89.3	94.9	102.0	95.0	97.5	97.2	83.5	97.1
			Steel		57.3	101.2	85.1	109.9	88.2	87.5	93.4	86.9	87.9	91.9	98.3	91.9
			Non-Ferrous Metals		88.2	94.5	97.2	97.1	108.4	110.5	88.0		100.8	98.2	97.8	98.2
			Machinery		98.4	98.4	91.2	97.4	99.7	93.6	101.1	96.3	100.1	96.3	0.0	96.3
	Others		93.0	100.0	94.6	97.1	96.8	94.3	100.7	95.0	93.5	95.8	90.9	95.8		
	Manufacturing Total		86.6	98.6	92.3	100.0	98.2	93.3	97.1	96.1	98.0	95.9	88.6	95.9		
	Mining & Manufacturing Total		86.7	98.6	92.3	100.0	98.2	93.3	97.1	96.1	98.0	95.9	88.8	95.9		
Others	Railways		98.7	100.8	101.3	104.5	136.6	99.8	101.8	101.4	100.1	101.7	92.1	101.7		
	Other than Railways		99.0	102.4	96.4	97.7	102.6	94.7	99.5	94.8	96.2	97.0	99.0	97.1		
	Others Total		98.9	101.8	97.9	100.7	111.9	97.2	100.6	95.8	97.5	98.8	98.9	98.8		
Total			88.7	99.0	93.6	100.1	99.2	94.1	97.5	96.1	97.9	96.4	94.2	96.4		

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