

December 14, 2016

## Actual Gas Sales volume in November 2016

In November, monthly gas sales volume totaled 300.587 million cubic meters, increase by 2.9% from the previous year.

(Unit: 1,000m<sup>3</sup>)

		November 2016		November 2015		Change	
		Gas sales volume	Composition ratio	Gas sales volume	Composition ratio	Volume	Rate of change
Residential	Residential	51,074	18.2%	51,337	18.7%	-263	-0.5%
	Commercial	17,215	6.1%	16,716	6.1%	500	3.0%
	Industrial	198,314	70.5%	193,074	70.5%	5,240	2.7%
	Public and Medical	14,727	5.2%	12,768	4.7%	1,959	15.3%
Total		281,331	100.0%	273,895	100.0%	7,436	2.7%
Wholesale		19,257	—	18,210	—	1,047	5.7%
Grand total		300,587	—	292,105	—	8,482	2.9%
Number of Customers		2,398,920	—	2,376,276	—	22,644	1.0%
Residential		2,314,349	—	2,291,641	—	22,708	1.0%

※1m<sup>3</sup>=45MJ

### 1. Gas Sales Volume

#### (1) Residential

The gas sales volume remained at the same level as the previous year.

#### (2) Commercial, Public and Medical

The gas sales volume increased from the previous year, due to lower temperatures in November which caused an increase of air-conditioning demand, etc.

#### (3) Industrial

The gas sales volume increased from the previous year, due to our marketing efforts to create new gas demand, etc.

#### (4) Wholesale

The gas sales volume to other gas utilities increased.

### 2. Temperature

(Unit: °C)

	FY2016	FY2015	Change
October	19.7	18.4	1.3
November	12.6	14.3	-1.7
Average for two months	16.2	16.4	-0.2

### <Reference> Cumulative Gas Sales Volume

(Unit: 1,000m<sup>3</sup>)

		FY2016 (April–November)		FY2015 (April–November)		Change	
		Gas sales volume	Composition ratio	Gas sales volume	Composition ratio	Volume	Rate of change
Residential	Residential	353,750	15.8%	365,211	16.5%	-11,461	-3.1%
	Commercial	177,243	7.9%	171,403	7.7%	5,839	3.4%
	Industrial	1,556,748	69.3%	1,534,397	69.2%	22,351	1.5%
	Public and Medical	157,404	7.0%	146,111	6.6%	11,293	7.7%
Total		2,245,145	100.0%	2,217,122	100.0%	28,023	1.3%
Wholesale		157,254	—	171,239	—	-13,985	-8.2%
Grand total		2,402,399	—	2,388,361	—	14,038	0.6%

※1m<sup>3</sup>=45MJ

Rate of change relative to the previous year (Gas sales volume, Number of Customers)

		(Unit : %)														
		Apr.	May	June	July	Aug.	Sept.	First half	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Second half	Fiscal Year
Residential		-7.2	2.6	3.5	-8.9	1.8	-4.3	-2.6	-10.4	-0.5						
Commercial		-5.5	-0.7	1.7	0.8	5.2	12.8	2.9	7.3	3.0						
Industrial		-1.6	9.2	-0.0	-2.7	6.9	1.4	1.9	-2.7	2.7						
Public and Medical		-8.1	5.9	2.0	3.0	7.6	17.5	5.4	20.1	15.3						
Total		-3.7	6.8	0.7	-2.7	6.2	3.0	1.5	-1.9	2.7						
Wholesale		-17.8	-9.9	-10.0	-18.9	-14.5	-11.8	-14.0	27.2	5.7						
Grand total		-4.7	5.6	-0.1	-4.0	4.6	1.8	0.4	-0.3	2.9						
Number of Customers		0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0						

		(Unit : %)														
		Apr.	May	June	July	Aug.	Sept.	First half	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Second half	Fiscal Year
Residential		2.9	-6.7	-1.7	11.9	-2.6	-7.1	-0.5	5.2	-1.5	-11.5	-13.7	-2.3	-1.3	-5.6	-3.8
Commercial		0.1	5.8	-1.7	-6.1	4.3	-5.0	-0.7	-4.0	1.9	-10.2	-8.8	0.1	0.4	-3.8	-2.2
Industrial		-2.4	-6.2	1.5	-3.3	0.8	-3.1	-2.1	-2.0	1.6	-8.0	-5.1	-0.1	1.0	-2.2	-2.1
Public and Medical		0.9	6.5	0.0	-8.4	4.2	-2.3	-0.5	-13.4	-6.6	-19.9	-14.1	-4.6	-0.6	-9.9	-5.5
Total		-0.7	-4.9	0.7	-2.3	1.1	-3.7	-1.6	-1.8	0.6	-9.8	-8.6	-1.0	0.2	-3.6	-2.7
Wholesale		17.1	5.1	10.6	3.1	4.1	11.1	8.3	-22.5	-14.3	-28.9	-16.5	-8.9	-16.5	-18.1	-6.3
Grand total		0.4	-4.3	1.3	-1.9	1.3	-2.7	-1.0	-3.3	-0.5	-11.4	-9.2	-1.6	-1.0	-4.7	-3.0
Number of Customers		1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9

		(Unit : %)														
		Apr.	May	June	July	Aug.	Sept.	First half	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Second half	Fiscal Year
Residential		10.6	-15.4	0.6	-2.1	4.0	10.9	-0.0	6.5	-1.0	2.2	-1.6	-1.7	0.6	0.1	0.0
Commercial		8.9	-15.6	-3.6	-7.9	-10.7	-10.6	-7.6	-13.8	-6.4	6.6	-4.8	-3.0	1.3	-3.6	-5.7
Industrial		6.6	-6.0	2.3	0.4	-1.9	4.0	0.8	-0.8	-3.0	5.2	-3.8	-3.1	-0.1	-1.0	-0.1
Public and Medical		11.2	-11.5	1.6	-4.7	-9.5	-11.3	-5.3	-12.8	-7.8	8.6	-1.7	1.4	3.9	-0.8	-3.0
Total		8.0	-9.2	1.5	-1.1	-3.1	2.0	-0.5	-1.8	-3.1	4.8	-3.0	-2.4	0.4	-0.9	-0.7
Wholesale		-7.1	-8.6	-5.1	-9.1	-12.6	-13.9	-9.6	-9.7	-10.9	3.0	4.1	1.8	7.8	-0.2	-4.6
Grand total		6.9	-9.2	1.0	-1.8	-3.9	0.7	-1.2	-2.4	-3.7	4.6	-2.6	-2.1	0.9	-0.8	-1.0
Number of Customers		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0