

November 16, 2016

## Actual Gas Sales volume in October 2016

In October, monthly gas sales volume totaled 280.326 million cubic meters, decrease by 0.3% from the previous year.

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

	October 2016		October 2015		Change	
	Gas sales volume	Composition ratio	Gas sales volume	Composition ratio	Volume	Rate of change
Residential	36,143	13.9%	40,360	15.2%	-4,216	-10.4%
Commercial	20,360	7.8%	18,975	7.1%	1,384	7.3%
Industrial	186,846	71.7%	192,012	72.3%	-5,167	-2.7%
Public and Medical	17,158	6.6%	14,283	5.4%	2,874	20.1%
Total	260,506	100.0%	265,631	100.0%	-5,124	-1.9%
Wholesale	19,820	—	15,583	—	4,237	27.2%
Grand total	280,326	—	281,213	—	-887	-0.3%
Number of Customers	2,398,102	—	2,374,745	—	23,357	1.0%
Residential	2,313,509	—	2,290,137	—	23,372	1.0%

※1m<sup>3</sup>=45MJ

### 1. Gas Sales Volume

#### (1) Residential

The gas sales volume decreased from the previous year, due to higher temperatures in September and October which caused a decrease of hot water demand, etc.

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

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

#### (3) Industrial

The gas sales volume decreased from the previous year, due to a decrease in customer facilities' operation rates, etc.

#### (4) Wholesale

The gas sales volume to other gas utilities increased.

### 2. Temperature

(Unit: °C)

	FY2016	FY2015	Change
September	25.2	23.1	2.1
October	19.7	18.4	1.3
Average for two months	22.5	20.8	1.7

### <Reference> Cumulative Gas Sales Volume

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

	FY2016 (April-October)		FY2015 (April-October)		Change	
	Gas sales volume	Composition ratio	Gas sales volume	Composition ratio	Volume	Rate of change
Residential	302,676	15.4%	313,873	16.2%	-11,197	-3.6%
Commercial	160,027	8.1%	154,688	8.0%	5,340	3.5%
Industrial	1,358,435	69.2%	1,341,324	69.0%	17,111	1.3%
Public and Medical	142,677	7.3%	133,343	6.9%	9,334	7.0%
Total	1,963,814	100.0%	1,943,227	100.0%	20,587	1.1%
Wholesale	137,997	—	153,028	—	-15,031	-9.8%
Grand total	2,101,811	—	2,096,256	—	5,556	0.3%

※1m<sup>3</sup>=45MJ

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

(April 2016–March 2017)

(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							
Commercial	-5.5	-0.7	1.7	0.8	5.2	12.8	2.9	7.3							
Industrial	-1.6	9.2	-0.0	-2.7	6.9	1.4	1.9	-2.7							
Public and Medical	-8.1	5.9	2.0	3.0	7.6	17.5	5.4	20.1							
Total	-3.7	6.8	0.7	-2.7	6.2	3.0	1.5	-1.9							
Wholesale	-17.8	-9.9	-10.0	-18.9	-14.5	-11.8	-14.0	27.2							
Grand total	-4.7	5.6	-0.1	-4.0	4.6	1.8	0.4	-0.3							
Number of Customers	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0							

(April 2015–March 2016)

(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

(April 2014–March 2015)

(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	0.9	1.0	1.0	1.0	1.0	1.0