

Osaka Gas in brief 2018

Gas Distribution / Safety

I. Outline of gas distribution business

(1) Pipeline length and gas sales volume

FY	2009.3	2010.3	2011.3	2012.3	2013.3	2014.3	2015.3	2016.3	2017.3	2018.3
Pipeline length (km)	58,570	58,997	59,484	59,886	60,276	60,754	61,078	61,391	61,666	61,919
Gas sales volume per pipeline length (thousand m ³ /km)	143.1	135.3	143.4	145.0	141.1	140.3	135.2	130.6	140.5	138.0

II. Security and safety measures

(1) Diffusion of computer-controlled gas meters

FY	2009.3	2010.3	2011.3	2012.3	2013.3	2014.3	2015.3	2016.3	2017.3	2018.3
Number of computer-controlled gas meters installed (1,000 units)	6,916	6,958	6,992	7,026	7,067	7,120	7,179	7,237	7,295	7,354
Number of gas meters installed (1,000 units)	6,936	6,976	7,008	7,041	7,082	7,133	7,196	7,252	7,310	7,368
Diffusion rate (%)	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9

(2) Security measures prepared for a major earthquake (as of the end of March, 2018)

Number of seismometer installed	259
Installed earthquake disaster prediction system	7 locations including Central Control Room in head office, its sub-center in Kyoto, and 5 business locations
Dividing supply areas into blocks for early restoration	164 Little blocks for low pressure network, 85 Middle blocks for middle pressure network
Number of remote / automated shutoff devices installed	3,573 / 3,009
Enhanced wireless communication systems	Established sub-center backing up Central Control Room; equipped 6 transportable satellite communication devices.
Use of earthquake-resistant pipes	Total length of such pipes reached to approx. 15,900 km, 87% of installed pipeline network.
Penetration of computer-controlled gas meters	Installed at 100% of residential customers. Installation rate for all customers is approx. 99%.
Backup of major in-house network systems	The backup center in Kyoto is in operation.