

Environmental Data

				FY2016	FY2017	FY2018		
Customer	Customer	Number of customers		409,881	411,080	412,574		
	Air	CO ₂ emissions from customers	Emissions amount (t-CO ₂)	1,132,739	1,188,824	1,335,093		
Related to business activities	Materials and products	Amount of LNG raw materials (thousands of t) <Hatsukaichi LNG terminal>		366.1	356.9	415.6		
		Gas sales volume (millions of m ³)	Including wholesale supply	494.6	519.1	583.0		
			Excluding wholesale supply	437.7	460.2	505.8		
		Gasification efficiency (%)		99.0	99.0	98.8		
	Energy	Purchased power consumption amount (thousands of kWh)	Production	4,030	3,823	4,300		
			Office	3,421	3,423	3,569		
			Total	7,451	7,246	7,869		
			Hiroshima Gas Group (Six main companies)	1,385	1,366	1,316		
		City gas consumption amount (thousands of m ³)	Production	7,744	8,540	8,969		
			Office	319	328	345		
	Total		8,063	8,868	9,314			
		Hiroshima Gas Group (Six main companies)	269	252	226			
	Water	Water consumption amount (thousands of m ³)	Production	16.2	18.6	17.2		
			Office	22.3	21.1	22.4		
			Total	38.5	39.7	39.6		
			Hiroshima Gas Group (Six main companies)	11.0	11.3	10.7		
	Paper	Number used (thousands of sheets)		4,869	4,738	4,498		
	Air and water quality	City gas production CO ₂	Emissions amount (t-CO ₂)	20,471	20,998	22,757		
			Emissions unit (g-CO ₂ /m ³)	48.9	47.8	47.3		
			NOx Emissions amount (t)	35.0	34.6	16.8		
		Office CO ₂	Methane Emissions amount (t-CH ₄)	14	11	26		
			Emissions amount (t-CO ₂)	3,543	3,478	3,500	*1	
			Emissions unit (g-CO ₂ /m ³)	7.2	6.7	6.0		
	Waste, etc.	General waste	Generation amount (t)	87.7	79.3	83.3		
			Recycled amount (t)	70.7	66.1	65.7		
			Recycling rate (%)	80.7	83.4	78.9	*1	
			External emissions amount (t)	16.9	13.2	17.6		
			Hiroshima Gas Group (Six main companies)					
			Generation amount (t)	31.9	31.8	30.0		
			Recycled amount (t)	23.5	23.3	21.7		
			Recycling rate (%)	73.6	73.3	72.4		
			External emissions amount (t)	8.4	8.5	8.3		
Industrial waste (Plant)		Generation amount (t)	2.1	2.5	3.4			
		Reduction/recycled amount (t)	2.0	2.3	3.2			
		Reduction/recycling rate (%)	95	92	94			
		Final disposal amount (t)	0.1	0.2	0.2			
Industrial waste (Office)		Generation amount (t)	149.2	142.4	167.6			
		Reduction/recycled amount (t)	122.2	119.4	126.2			
		Reduction/recycling rate (%)	81.9	83.9	75.3			
		Final disposal amount (t)	27.1	23.0	41.4			
Industrial waste (Group)		Hiroshima Gas Group (Six main companies)						
		Generation amount (t)	24,376	27,071	21,504			
		Reduction/recycled amount (t)	24,108	26,783	21,274			
		Reduction/recycled amount (%)	98.9	98.9	98.9			
		Final disposal amount (t)	268	288	230			
Polyethylene pipes		Generation amount (t)	8.8	11.5	7.3			
		Recycled amount (t)	8.8	11.5	7.3			
		Recycling rate (%)	100.0	100.0	100.0			
Cast iron and steel pipes		Generation amount (t)	165.3	221.3	171.2			
		Recycled amount (t)	165.3	221.3	171.2			
		Recycling rate (%)	100.0	100.0	100.0			
Earth and sand associated with gas piping work		Generation amount (thousands of t)	117.3	121.5	105.1			
	Reduction amount (thousands of t)	87.3	96.4	90.9				
	Reduction rate (%)	42.7	44.2	46.4				
	Recycled amount (thousands of t)	115.1	120.4	104.2				
	Recycling rate (%)	98.1	99.1	99.1				
Green procurement	Procurement rate (%)		35.6	41.8	46.7			
CO₂ emission coefficient	City gas	13A	(kg-CO ₂ /m ³ N)	2.29	2.29	2.29	*2	
	Purchased power	Heating power average value (marginal power supply)	(kg-CO ₂ /kWh)	0.690	0.690	0.690		
		Chugoku Electric Power Co., Inc. actual emission factor	(kg-CO ₂ /kWh)	0.697	0.691	0.669		
	Light oil		(kg-CO ₂ /liter)	2.58	2.58	2.58		
	Kerosene		(kg-CO ₂ /liter)	2.49	2.49	2.49		

*1 The Chugoku Electric Power Co., Inc. actual emission factors are adopted for the purchased power CO₂ emission factors.
(2016: 0.697kg-CO₂/kWh 2017: 0.691kg-CO₂/kWh 2018: 0.669kg-CO₂/kWh)

*2 Calculated from the typical composition of our city gas (13A).