

Environmental Data

			FY2018	FY2019	FY2020			
Customer	Customer	Number of customers	412,574	414,396	415,500			
	Air	CO ₂ emissions from customers	Emissions amount (t-CO ₂)	1,335,093	1,365,358	1,305,110		
Related to business activities	Materials and products	Amount of LNG raw materials (thousands of t) <Hatsukaichi LNG terminal>		415.6	410.9	354.8		
		Gas sales volume (millions of m ³)	Including wholesale supply	583.0	596.2	569.9		
			Excluding wholesale supply	505.8	489.6	479.6		
		Gasification efficiency (%)		98.8	98.8	99.6		
	Energy	Purchased power consumption amount (thousands of kWh)	Production	4,300	3,955	3,952		
			Office	3,569	3,359	3,427		
			Total	7,869	7,314	7,379		
			Hiroshima Gas Group (Six main companies)	1,316	1,383	1,573		
		City gas consumption amount (thousands of m ³)	Production	8,969	5,624	5,402		
			Office	345	335	355		
	Total		9,314	5,959	5,757			
	Water	Water consumption amount (thousands of m ³)	Production	17.2	19.2	16.9		
			Office	22.4	21.0	24.2		
			Total	39.6	40.2	41.1		
			Hiroshima Gas Group (Six main companies)	10.7	10.3	12.7		
	Paper	Number used (thousands of sheets)	4,498	4,453	4,193			
	Air and water quality	City gas production CO ₂	Emissions amount (t-CO ₂)	22,757	14,797	14,095		
			Emissions unit (g-CO ₂ /m ³)	47.3	31.4	30.7		
			NOx	Emissions amount (t)	16.8	16.9	21.1	
		Office CO ₂	Emissions amount (t-CO ₂)	Emissions amount (t-CO ₂)	3,500	3,164	3,092	*1
				Emissions unit (g-CO ₂ /m ³)	6.0	5.3	5.4	
				Methane	Emissions amount (t-CH ₄)	26	9	10
	Waste, etc.	General waste	Generation amount (t)	83.3	83.5	93.5		
			Recycled amount (t)	65.7	71.9	76.7		
			Recycling rate (%)	78.9	86.1	82.1	*1	
			External emissions amount (t)	17.6	11.6	16.8		
			Hiroshima Gas Group (Six main companies)					
			Generation amount (t)	30.0	34.1	38.6		
			Recycled amount (t)	21.7	26.6	29.9		
			Recycling rate (%)	72.4	78.0	77.5		
			External emissions amount (t)	8.3	7.5	8.7		
			Final disposal amount (t)	0.2	0.2	0.2		
Industrial waste (Plant)		Generation amount (t)	3.4	2.7	3.7			
		Reduction/recycled amount (t)	3.2	2.5	3.5			
		Reduction/recycling rate (%)	94	93	95			
		Final disposal amount (t)	0.2	0.2	0.2			
Industrial waste (Office)		Generation amount (t)	167.6	190.2	195.0			
		Reduction/recycled amount (t)	126.2	154.3	176.1			
		Reduction/recycling rate (%)	75.3	81.1	90.3			
		Final disposal amount (t)	41.4	35.9	18.9			
Industrial waste (Group)		Hiroshima Gas Group (Six main companies)						
		Generation amount (t)	21,504	30,799	29,054			
		Reduction/recycled amount (t)	21,274	30,766	28,949			
		Reduction/recycled amount (%)	98.9	99.9	99.6			
		Final disposal amount (t)	230	33	105			
Polyethylene pipes		Generation amount (t)	7.3	7.2	9.1			
		Recycled amount (t)	7.3	7.2	9.1			
		Recycling rate (%)	100.0	100.0	100.0			
Cast iron and steel pipes		Generation amount (t)	171.2	161.2	238.4			
		Recycled amount (t)	171.2	161.2	238.4			
		Recycling rate (%)	100.0	100.0	100.0			
Earth and sand associated with gas piping work		Generation amount (thousands of t)	105.1	104.2	111.9			
	Reduction amount (thousands of t)	90.9	88.5	80.0				
	Reduction rate (%)	46.4	45.9	41.7				
	Recycled amount (thousands of t)	104.2	104.1	111.8				
	Recycling rate (%)	99.1	99.9	99.9				
Green procurement	Procurement rate (%)	46.7	43.0	39.6				
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)	0.66	0.66	0.66		
		Chugoku Electric Power Co., Inc. actual emission factor	(kg-CO ₂ /kWh)	0.669	0.618	0.561		
	Light oil		(kg-CO ₂ /liter)	2.62	2.62	2.62		
	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.

(2018: 0.669kg-CO₂/kWh 2019: 0.618kg-CO₂/kWh 2020: 0.561kg-CO₂/kWh)

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