

Table 29

Production of manufactured and recovered gases - by type

Terajoules

Table Notes

Production refers to gasworks gas, coke oven gas, blast furnace gas and other recovered gases.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 71: Production of manufactured and recovered gases by region, 1990-2016

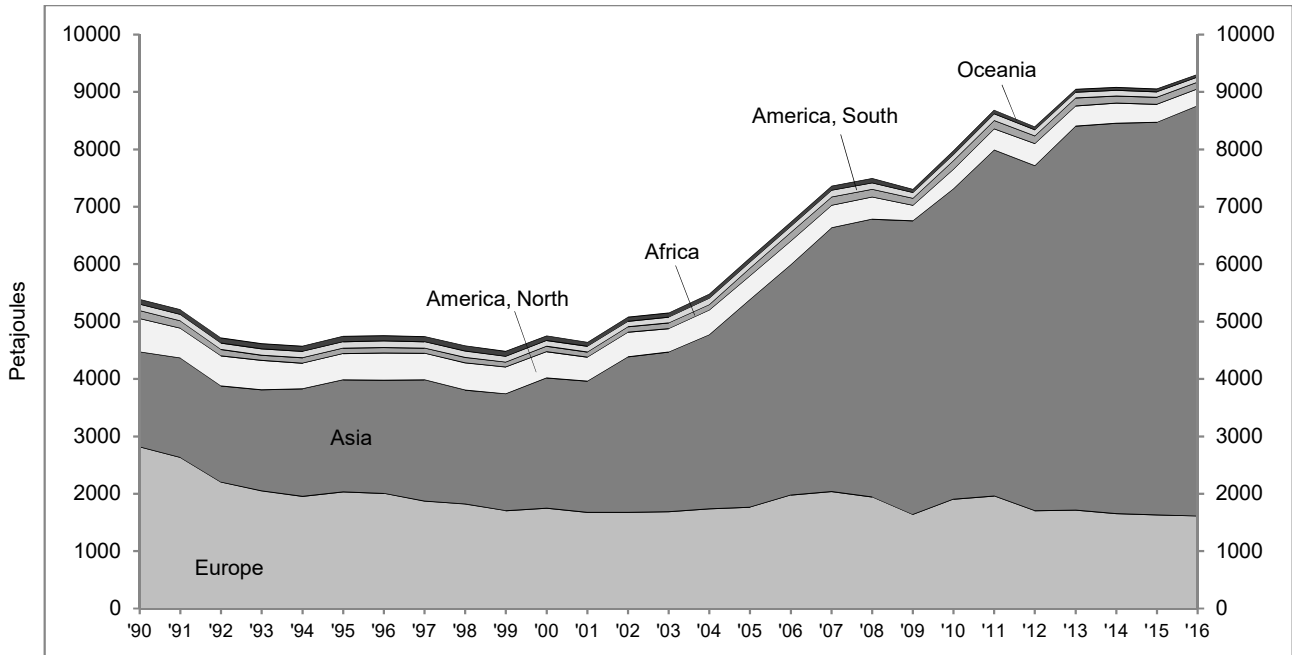
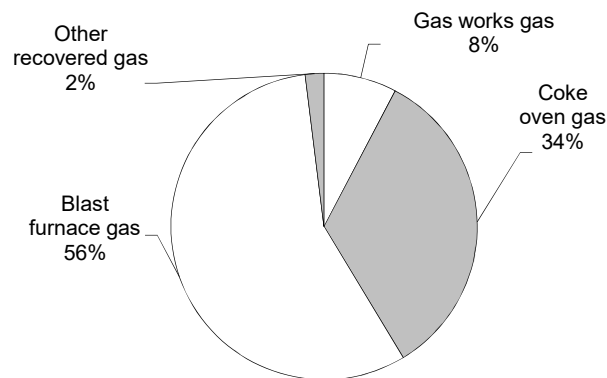


Figure 72: World production of manufactured and recovered gases by type, 2016



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Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
World	2013	9,048,440	644,864	3,239,768	4,992,644	171,164
	2014	9,080,125	661,872	3,173,818	5,059,397	185,038
	2015	9,053,697	676,021	3,085,404	5,098,171	194,101
	2016	9,307,756	715,510	3,133,198	5,273,290	185,758
Africa	2013	134,915	78,519	25,473	30,923	..
	2014	122,254	70,515	22,693	29,046	..
	2015	121,921	70,609	23,004	28,308	..
	2016	114,984	67,702	22,268	25,014	..
Algeria	2013	2,515	..	0	2,515	..
	2014	3,150	..	0	3,150	..
	2015	2,562	..	0	2,562	..
	2016	0	..	..	0	..
Egypt	2013	4,964	65	..	4,899	..
	2014	4,992	93	..	4,899	..
	2015	4,526	74	..	4,452	..
	2016	*4,534	82	..	*4,452	..
South Africa	2013	125,785	78,454	23,822	23,509	..
	2014	112,696	70,422	21,277	20,997	..
	2015	113,391	70,535	21,562	21,294	..
	2016	109,003	67,620	20,821	20,562	..
Zimbabwe	2013	1,651	..	1,651	..	..
	2014	1,416	..	1,416	..	..
	2015	1,442	..	1,442	..	..
	2016	1,447	..	1,447	..	..
America, North	2013	353,029	51,244	127,794	173,991	..
	2014	350,023	53,629	121,740	174,654	..
	2015	312,846	53,682	102,696	156,468	..
	2016	295,166	56,271	91,374	147,521	..
Canada	2013	45,834	..	24,595	21,239	..
	2014	46,312	..	22,984	23,328	..
	2015	42,042	..	21,499	20,543	..
	2016	41,899	..	20,312	21,587	..
Costa Rica	2013	1,075	..	..	1,075	..
	2014	1,052	..	..	1,052	..
	2015	1,028	..	..	1,028	..
	2016	1,118	..	..	1,118	..
Cuba	2013	4,159	4,148	..	11	..
	2014	3,807	3,796	..	11	..
	2015	3,647	3,636	..	11	..
	2016	3,707	3,696	..	11	..
Mexico	2013	37,047	..	16,398	20,649	..
	2014	38,328	..	16,502	21,826	..
	2015	34,848	..	14,770	20,078	..
	2016	31,637	..	11,252	20,385	..
United States	2013	264,914	47,096	86,801	131,017	..
	2014	260,524	49,833	82,254	128,437	..
	2015	231,281	50,046	66,427	114,808	..
	2016	216,805	52,575	59,810	104,420	..
America, South	2013	102,482	598	87,014	14,870	..
	2014	101,432	567	85,126	15,739	..
	2015	95,939	364	81,875	13,700	..
	2016	89,678	213	77,860	11,605	..

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Argentina	2013	14,905	..	5,443	9,462	..
	2014	15,079	..	5,066	10,013	..
	2015	14,316	..	5,142	9,174	..
	2016	11,403	..	3,875	7,528	..
Brazil	2013	73,712	..	73,712	..	..
	2014	74,561	..	74,561	..	..
	2015	71,578	..	71,578	..	..
	2016	68,715	..	68,715	..	..
Chile	2013	8,624	598	4,160	3,866	..
	2014	9,109	567	3,991	4,551	..
	2015	7,293	364	3,608	3,321	..
	2016	6,980	213	3,820	2,947	..
Colombia	2013	5,241	..	3,699	1,542	..
	2014	2,683	..	1,508	1,175	..
	2015	2,752	..	1,547	1,205	..
	2016	2,580	..	1,450	1,130	..
Asia	2013	6,691,059	488,669	2,211,812	3,882,841	107,737
	2014	6,801,959	510,581	2,216,222	3,965,387	109,769
	2015	6,839,650	527,249	2,174,190	4,032,752	105,459
	2016	7,145,611	567,950	2,230,037	4,241,168	106,456
China	2013	4,738,852	455,941	1,536,283	2,746,628	..
	2014	4,977,099	477,518	1,543,031	2,956,550	..
	2015	4,837,464	494,572	1,477,609	2,865,283	..
	2016	5,082,630	534,862	1,499,092	3,048,676	..
China, Hong Kong SAR	2013	28,556	28,556	..	..	..
	2014	28,835	28,835	..	..	..
	2015	28,403	28,403	..	..	..
	2016	28,814	28,814	..	..	..
India	2013	430,675	872	127,385	302,418	..
	2014	*251,226	928	*108,998	*141,300	..
	2015	*482,325	*974	*148,443	*332,908	..
	2016	*541,086	*974	*172,109	*368,003	..
Indonesia	2013	*3,300	*3,300	..	..	..
	2014	3,300	3,300	..	..	..
	2015	*3,300	*3,300	..	..	..
	2016	*3,300	*3,300	..	..	..
Iran (Islamic Rep. of)	2013	26,265	..	5,365	20,900	..
	2014	30,799	..	6,943	23,856	..
	2015	26,953	..	6,841	20,112	..
	2016	22,449	..	9,195	13,254	..
Japan	2013	857,615	..	322,258	464,522	70,835
	2014	839,404	..	307,176	461,735	70,493
	2015	800,697	..	294,030	440,073	66,594
	2016	804,532	..	299,255	438,868	66,409
Kazakhstan	2013	22,569	..	8,690	13,879	..
	2014	36,051	..	15,983	20,068	..
	2015	36,080	..	15,917	20,163	..
	2016	40,579	..	16,909	23,669	..
Korea, Dem.Ppl's.Rep.	2013	1,826	..	..	1,826	..
	2014	1,841	..	..	1,841	..
	2015	1,628	..	..	1,628	..
	2016	1,838	..	..	1,838	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Korea, Republic of	2013	366,032	..	126,773	212,335	26,924
	2014	405,263	..	146,697	230,682	27,884
	2015	398,071	..	147,921	222,139	28,011
	2016	394,580	..	147,900	217,967	28,713
Other Asia	2013	130,496	..	53,353	67,165	9,978
	2014	135,822	..	53,610	70,820	11,392
	2015	132,220	..	50,731	70,635	10,854
	2016	137,287	..	53,638	72,315	11,334
Pakistan	2013	699	..	..	699	..
	2014	2,436	..	..	2,436	..
	2015	..	..	..	..	..
	2016	..	..	..	..	..
Philippines	2013	2,436	..	..	2,436	..
	2014	3,294	..	..	3,294	..
	2015	2,820	..	..	2,820	..
	2016	3,790	..	..	3,790	..
Syrian Arab Republic	2013	6	..	..	6	..
	2014	6	..	..	6	..
	2015	6	..	..	6	..
	2016	6	..	..	6	..
Thailand	2013	327	..	..	327	..
	2014	372	..	..	372	..
	2015	338	..	..	338	..
	2016	350	..	..	350	..
Turkey	2013	81,405	..	31,705	49,700	..
	2014	86,211	..	33,784	52,427	..
	2015	89,345	..	32,698	56,647	..
	2016	84,371	..	31,939	52,432	..
Europe	2013	1,714,802	25,726	761,707	864,218	63,151
	2014	1,654,909	26,467	702,906	850,536	75,000
	2015	1,633,663	24,062	678,064	843,159	88,378
	2016	1,613,817	23,335	687,138	824,306	79,038
Austria	2013	45,656	..	10,323	35,333	..
	2014	44,905	..	10,087	34,818	..
	2015	43,963	..	10,337	33,626	..
	2016	42,585	..	9,954	32,631	..
Belgium	2013	39,523	..	14,613	21,684	3,226
	2014	38,180	..	12,529	22,171	3,480
	2015	35,518	..	10,742	21,477	3,299
	2016	37,373	..	10,320	23,522	3,531
Bosnia and Herzegovina	2013	11,258	..	6,265	4,993	..
	2014	11,897	..	7,528	4,369	..
	2015	11,627	..	7,215	4,412	..
	2016	11,247	..	6,867	4,380	..
Croatia	2013	76	76	..	..	..
	2014	42	42	..	..	..
	2015	11	11	..	..	..
	2016	..	..	..	..	..
Czechia	2013	62,969	16,457	20,526	20,651	5,335
	2014	64,032	17,246	20,560	20,823	5,403
	2015	61,096	17,024	18,946	19,473	5,653
	2016	61,160	16,933	17,859	20,643	5,725

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Denmark	2013	707	707	..	..	..
	2014	756	756	..	..	..
	2015	763	763	..	..	..
	2016	816	816	..	..	..
Estonia	2013	7,203	7,203	..	..	..
	2014	7,201	7,201	..	..	..
	2015	5,929	5,929	..	..	..
	2016	5,250	5,250	..	..	..
Finland	2013	21,833	..	8,316	10,249	3,268
	2014	23,146	..	8,781	10,881	3,484
	2015	23,920	..	8,848	11,436	3,636
	2016	24,076	..	8,731	11,529	3,816
France	2013	76,530	..	24,297	46,731	5,502
	2014	79,096	..	24,941	47,380	6,775
	2015	77,794	..	27,515	44,026	6,253
	2016	75,183	..	26,767	42,353	6,063
Germany	2013	251,697	..	68,582	164,517	18,598
	2014	255,120	..	72,709	163,611	18,800
	2015	261,627	..	73,796	165,776	22,055
	2016	259,995	..	77,811	159,763	22,421
Hungary	2013	11,949	..	8,014	3,935	..
	2014	13,791	..	8,444	5,347	..
	2015	16,789	..	9,182	7,607	..
	2016	13,259	..	8,198	5,061	..
Italy	2013	44,003	..	19,494	23,838	671
	2014	47,757	..	16,577	25,544	5,636
	2015	36,361	..	13,516	15,934	6,911
	2016	43,550	..	14,439	23,709	5,402
Netherlands	2013	53,207	..	17,570	35,637	..
	2014	54,284	..	18,096	36,188	..
	2015	54,959	..	18,259	36,700	..
	2016	53,103	..	17,472	35,631	..
Norway	2013	3,796	..	..	3,796	..
	2014	4,096	..	..	4,096	..
	2015	3,765	..	..	3,765	..
	2016	3,222	..	..	3,222	..
Poland	2013	105,497	73	76,493	22,530	6,401
	2014	109,793	44	77,504	25,802	6,443
	2015	112,547	5	79,263	26,470	6,809
	2016	108,838	0	78,303	25,158	5,377
Romania	2013	9,478	..	..	9,478	..
	2014	8,924	..	..	8,924	..
	2015	10,195	..	..	10,195	..
	2016	9,990	..	..	9,990	..
Russian Federation	2013	501,051	..	278,399	222,652	..
	2014	482,977	..	261,799	221,178	..
	2015	496,114	..	258,532	237,582	..
	2016	498,482	..	270,873	227,609	..
Serbia	2013	3,182	..	..	3,182	..
	2014	4,821	..	..	4,821	..
	2015	7,253	..	..	7,253	..
	2016	9,549	..	..	9,549	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Slovakia	2013	36,294	..	12,695	21,056	2,543
	2014	38,153	..	12,964	21,904	3,285
	2015	37,866	..	13,709	20,114	4,043
	2016	39,159	..	13,679	21,068	4,412
Spain	2013	32,298	26	13,598	18,674	..
	2014	33,251	14	12,690	20,547	..
	2015	36,804	10	13,005	23,789	..
	2016	34,728	14	12,463	22,251	..
Sweden	2013	21,195	381	7,995	11,157	1,662
	2014	22,563	343	8,265	12,307	1,648
	2015	22,770	320	9,110	11,798	1,542
	2016	24,202	322	9,138	12,791	1,951
Ukraine	2013	288,571	803	143,771	128,052	15,945
	2014	223,703	821	98,402	104,434	20,046
	2015	198,737	..	79,704	90,856	28,177
	2016	207,944	..	90,483	97,121	20,340
United Kingdom	2013	86,829	..	30,756	56,073	..
	2014	86,421	..	31,030	55,391	..
	2015	77,255	..	26,385	50,870	..
	2016	50,106	..	13,781	36,325	..
Oceania	2013	52,153	108	25,968	25,801	276
	2014	49,548	113	25,131	24,035	269
	2015	49,678	55	25,575	23,784	264
	2016	48,500	39	24,521	23,676	264
Australia	2013	40,218	108	21,235	18,875	..
	2014	37,967	113	20,671	17,183	..
	2015	37,685	55	20,867	16,763	..
	2016	37,379	39	20,385	16,955	..
New Zealand	2013	11,935	..	4,733	6,926	276
	2014	11,581	..	4,460	6,852	269
	2015	11,993	..	4,708	7,021	264
	2016	11,121	..	4,136	6,721	264