

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, 1990-2019

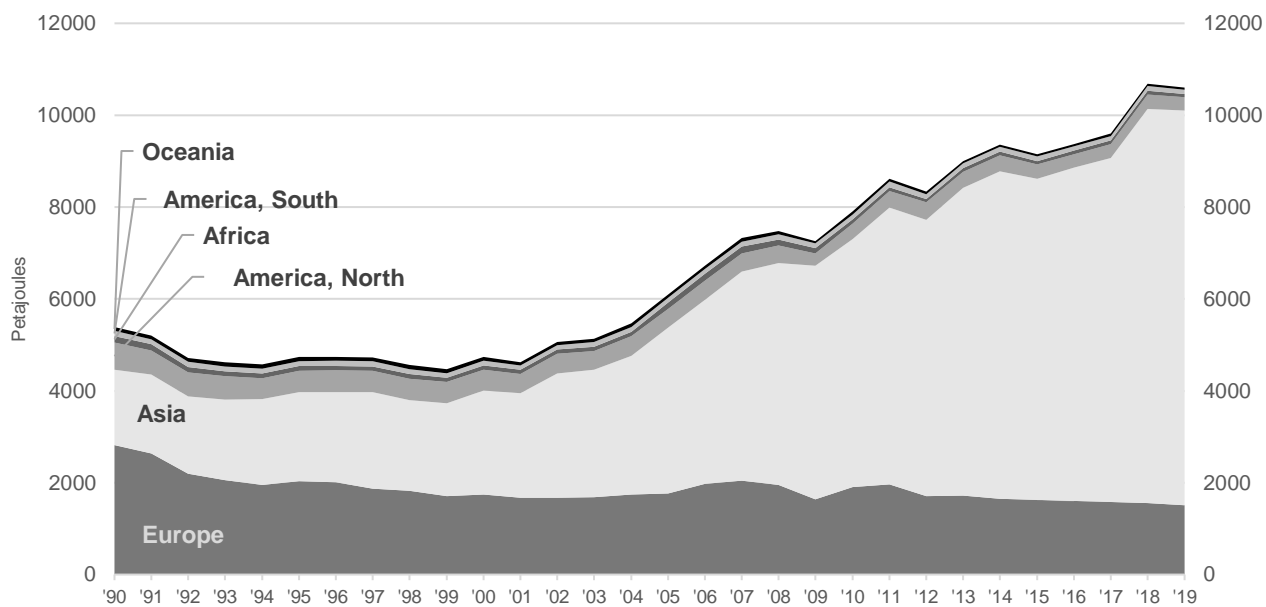


Figure 72: World production of manufactured and recovered gases by type, 2019

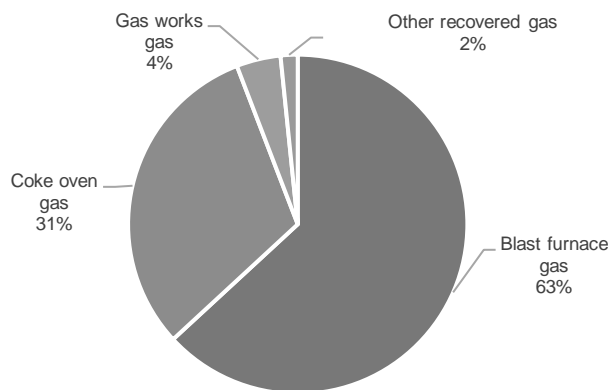


Table 29

Production of manufactured and recovered gases - by type

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
World	2016	9,370,888	621,825	3,109,654	5,448,922	190,487
	2017	9,599,869	652,609	3,135,159	5,628,827	183,273
	2018	10,684,376	703,593	3,231,004	6,577,451	172,327
	2019	10,600,474	446,909	3,288,716	6,692,812	172,037
Africa	2016	75,468	23,460	24,595	27,413	..
	2017	76,445	21,688	24,045	30,712	..
	2018	80,764	22,812	25,439	32,513	..
	2019	67,711	20,600	21,181	25,930	..
Algeria	2016	0	..	..	0	..
	2017	3,614	..	..	3,614	..
	2018	5,844	..	..	5,844	..
	2019	5,108	..	..	5,108	..
Egypt	2016	*4,534	82	..	*4,452	..
	2017	4,268	131	..	4,137	..
	2018	4,764	88	..	4,676	..
	2019	2,825	128	..	2,697	..
South Africa	2016	69,596	23,378	23,257	22,961	..
	2017	67,775	21,557	23,257	22,961	..
	2018	69,208	22,724	24,491	21,993	..
	2019	58,780	20,472	20,183	18,125	..
Zimbabwe	2016	1,338	..	1,338	..	..
	2017	788	..	788	..	..
	2018	948	..	948	..	..
	2019	997	..	997	..	..
America, North	2016	295,773	56,271	93,099	146,403	..
	2017	298,124	61,479	92,773	143,872	..
	2018	312,440	63,886	99,324	149,230	..
	2019	291,580	55,792	94,485	141,303	..
Canada	2016	43,624	..	22,037	21,587	..
	2017	43,992	..	22,057	21,935	..
	2018	46,322	..	24,703	21,619	..
	2019	43,928	..	23,888	20,040	..
Cuba	2016	3,707	3,696	..	11	..
	2017	3,473	3,467	..	6	..
	2018	3,333	3,319	..	14	..
	2019	3,275	3,261	..	14	..
Mexico	2016	31,637	..	11,252	20,385	..
	2017	30,293	..	10,653	19,640	..
	2018	27,357	..	9,707	17,650	..
	2019	23,981	..	8,158	15,823	..
United States	2016	216,805	52,575	59,810	104,420	..
	2017	220,366	58,012	60,063	102,291	..
	2018	235,428	60,567	64,914	109,947	..
	2019	220,396	52,531	62,439	105,426	..
America, South	2016	89,678	213	77,860	11,605	..
	2017	98,947	79	86,859	12,009	..
	2018	102,649	73	90,051	12,525	..
	2019	92,656	..	81,469	11,187	..
Argentina	2016	11,403	..	3,875	7,528	..
	2017	12,411	..	4,312	8,099	..
	2018	13,374	..	4,788	8,586	..
	2019	10,470	..	3,276	7,194	..

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Brazil	2016	68,715	..	68,715	..	..
	2017	77,783	..	77,783	..	..
	2018	80,329	..	80,329	..	..
	2019	73,223	..	73,223	..	..
Chile	2016	6,980	213	3,820	2,947	..
	2017	6,425	79	3,456	2,890	..
	2018	6,727	73	3,745	2,909	..
	2019	6,944	..	3,772	3,172	..
Colombia	2016	2,580	..	1,450	1,130	..
	2017	2,328	..	1,308	1,020	..
	2018	2,220	..	1,189	1,031	..
	2019	2,019	..	1,198	821	..
Asia	2016	7,259,172	521,466	2,195,243	4,436,008	106,456
	2017	7,491,244	550,352	2,233,550	4,605,547	101,796
	2018	8,578,984	599,543	2,356,079	5,522,744	100,618
	2019	8,592,510	354,562	2,448,030	5,688,877	101,042
China	2016	5,194,695	491,659	1,465,528	3,237,508	..
	2017	5,406,600	520,243	1,484,702	3,401,656	..
	2018	6,443,917	568,826	1,586,583	4,288,508	..
	2019	6,457,947	324,677	1,680,918	4,452,352	..
China, Hong Kong SAR	2016	28,814	28,814	..	..	..
	2017	29,049	29,049	..	..	..
	2018	29,550	29,550	..	..	..
	2019	28,712	28,712	..	..	..
India	2016	*535,132	*993	*165,364	*368,775	..
	2017	567,891	*1,060	*181,607	385,224	..
	2018	*620,684	*1,167	*193,217	*426,300	..
	2019	*639,222	*1,173	203,658	*434,391	..
Iran (Islamic Rep. of)	2016	26,853	..	8,508	18,345	..
	2017	24,809	..	9,782	15,027	..
	2018	26,319	..	10,414	15,905	..
	2019	24,847	..	8,674	16,173	..
Japan	2016	804,534	..	299,255	438,870	66,409
	2017	787,616	..	295,706	429,842	62,068
	2018	779,347	..	295,366	423,160	60,820
	2019	765,977	..	294,493	412,431	59,053
Kazakhstan	2016	40,578	..	16,909	23,669	..
	2017	43,921	..	17,490	26,431	..
	2018	39,530	..	16,668	22,862	..
	2019	35,479	..	14,455	21,025	..
Korea, Dem.Ppl's.Rep.	2016	1,838	..	..	1,838	..
	2017	1,645	..	..	1,645	..
	2018	1,222	..	..	1,222	..
	2019	1,026	..	..	1,026	..
Korea, Republic of	2016	394,580	..	147,900	217,967	28,713
	2017	400,458	..	153,969	217,678	28,812
	2018	401,861	..	157,103	215,927	28,831
	2019	407,029	..	149,818	225,779	31,432
Other Asia	2016	143,488	..	59,839	72,315	11,334
	2017	138,256	..	57,186	70,153	10,917
	2018	144,239	..	60,470	72,802	10,967
	2019	143,456	..	60,468	72,432	10,556

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Philippines	2016	3,790	..	..	3,790	..
	2017	3,313	..	..	3,313	..
	2018	3,466	..	..	3,466	..
	2019	3,010	..	..	3,010	..
Syrian Arab Republic	2016	3	..	..	3	..
	2017	3	..	..	3	..
	2018	3	..	..	3	..
	2019	3	..	..	3	..
Thailand	2016	496	..	..	496	..
	2017	622	..	..	622	..
	2018	589	..	..	589	..
	2019	390	..	..	390	..
Turkey	2016	84,371	..	31,939	52,432	..
	2017	87,062	..	33,109	53,953	..
	2018	88,258	..	36,258	52,000	..
	2019	85,411	..	35,546	49,865	..
Europe	2016	1,600,374	20,377	693,594	802,636	83,767
	2017	1,582,625	18,967	672,041	810,439	81,178
	2018	1,560,110	17,241	635,096	836,361	71,412
	2019	1,507,224	15,917	618,677	801,937	70,692
Austria	2016	42,585	..	9,954	28,812	3,819
	2017	45,236	..	10,154	30,765	4,317
	2018	38,954	..	10,321	25,239	3,393
	2019	39,970	..	8,629	27,616	3,725
Belgium	2016	37,373	..	10,320	23,522	3,531
	2017	37,903	..	10,062	24,077	3,765
	2018	37,292	..	10,020	23,607	3,665
	2019	37,978	..	9,906	24,319	3,754
Bosnia and Herzegovina	2016	11,247	..	6,867	4,380	..
	2017	10,724	..	6,527	4,197	..
	2018	12,246	..	7,632	4,614	..
	2019	12,060	..	6,978	5,082	..
Czechia	2016	61,160	16,933	17,859	20,643	5,725
	2017	59,003	15,177	20,320	18,064	5,442
	2018	60,382	13,932	20,673	19,796	5,982
	2019	55,016	12,670	18,950	17,571	5,824
Estonia	2016	12,733	3,430	9,303	..	..
	2017	15,028	3,790	11,238	..	..
	2018	14,186	3,309	10,877	..	..
	2019	14,829	3,247	11,582	..	..
Finland	2016	24,076	..	8,731	11,529	3,816
	2017	22,678	..	8,197	11,071	3,410
	2018	23,649	..	8,277	11,526	3,846
	2019	20,213	..	7,719	8,413	4,081
France	2016	66,458	..	23,920	35,565	6,973
	2017	87,583	..	28,143	50,502	8,938
	2018	86,218	..	..	86,218	..
	2019	81,667	..	..	81,667	..
Germany	2016	259,995	..	77,811	159,763	22,421
	2017	254,151	..	68,044	162,818	23,289
	2018	250,530	..	64,646	160,885	24,999
	2019	241,116	..	64,151	151,471	25,494

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Hungary	2016	13,259	..	8,198	5,061	..
	2017	16,996	..	9,126	7,870	..
	2018	17,669	..	9,109	8,560	..
	2019	15,242	..	8,162	7,080	..
Italy	2016	43,550	..	14,439	23,709	5,402
	2017	35,981	..	15,132	16,990	3,859
	2018	34,808	..	15,150	18,007	1,651
	2019	33,246	..	14,586	17,071	1,590
Netherlands	2016	53,103	..	17,472	35,631	..
	2017	54,912	..	17,917	36,995	..
	2018	54,663	..	18,118	36,545	..
	2019	51,719	..	17,657	34,062	..
Norway	2016	3,222	..	..	3,222	..
	2017	4,012	..	..	4,012	..
	2018	4,197	..	..	4,197	..
	2019	3,611	..	..	3,611	..
Poland	2016	108,838	0	78,303	25,158	5,377
	2017	107,602	..	76,852	27,164	3,585
	2018	107,821	..	78,254	26,377	3,191
	2019	102,427	..	74,779	24,327	3,322
Romania	2016	9,990	..	..	9,990	..
	2017	9,408	..	..	9,408	..
	2018	10,137	..	..	10,137	..
	2019	10,354	..	..	10,354	..
Russian Federation	2016	487,419	..	270,873	216,546	..
	2017	490,758	..	262,407	228,351	..
	2018	481,163	..	261,597	219,566	..
	2019	477,585	..	260,383	217,202	..
Serbia	2016	9,549	..	..	9,549	..
	2017	10,609	..	..	10,609	..
	2018	12,281	..	..	12,281	..
	2019	12,231	..	..	12,231	..
Slovakia	2016	39,159	..	13,679	21,068	4,412
	2017	39,567	..	12,688	22,124	4,755
	2018	40,606	..	13,427	22,696	4,483
	2019	31,861	..	11,619	17,065	3,177
Spain	2016	34,728	14	12,463	22,251	..
	2017	30,325	..	10,927	19,398	..
	2018	30,055	..	10,510	19,545	..
	2019	26,696	..	9,424	17,272	..
Sweden	2016	23,880	..	9,138	12,791	1,951
	2017	23,856	..	8,890	12,974	1,992
	2018	21,732	..	7,692	12,149	1,891
	2019	22,895	..	8,096	13,448	1,351
Ukraine	2016	207,944	..	90,483	97,121	20,340
	2017	177,103	..	81,374	77,902	17,827
	2018	175,545	..	75,559	81,674	18,312
	2019	168,849	..	72,116	78,358	18,375
United Kingdom	2016	50,106	..	13,781	36,325	..
	2017	49,190	..	14,042	35,148	..
	2018	45,975	..	13,234	32,741	..
	2019	47,658	..	13,941	33,717	..

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Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Oceania	2016	50,423	39	25,263	24,857	264
	2017	52,484	45	25,891	26,249	299
	2018	49,429	38	25,016	24,078	296
	2019	48,793	38	24,874	23,578	303
Australia	2016	39,302	39	21,127	18,136	..
	2017	40,718	45	21,506	19,167	..
	2018	38,161	38	20,687	17,436	..
	2019	35,774	38	19,023	16,713	..
New Zealand	2016	11,121	..	4,136	6,721	264
	2017	11,766	..	4,385	7,082	299
	2018	11,268	..	4,329	6,642	296
	2019	13,019	..	5,851	6,865	303