

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, 1990-2020

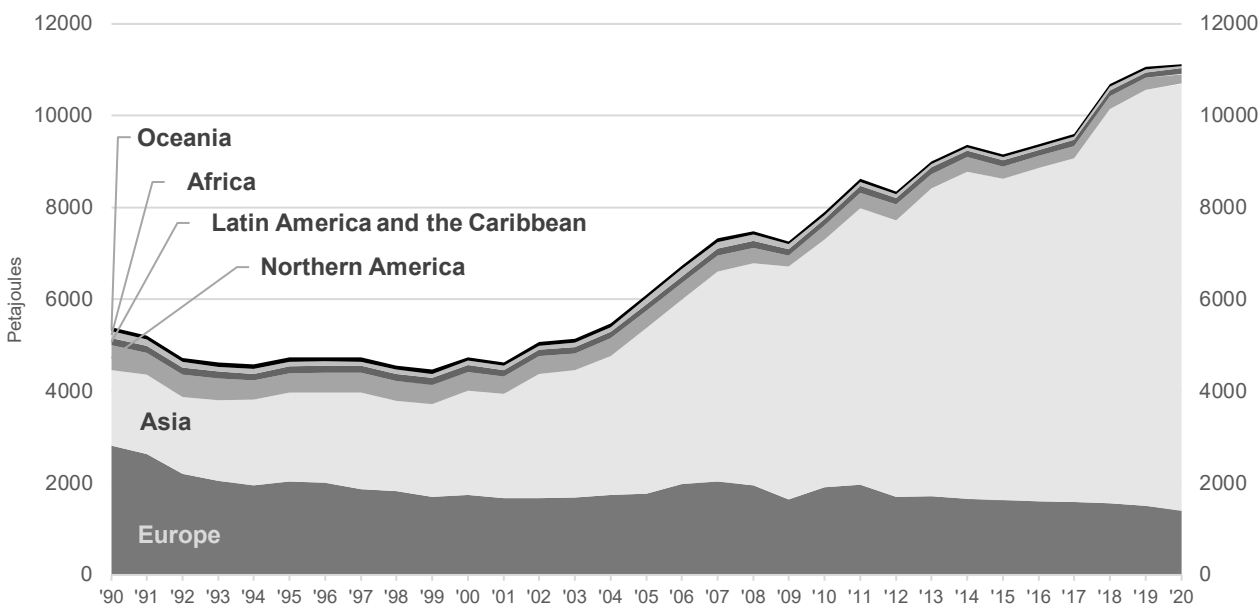


Figure 72: World production of manufactured and recovered gases by type, 2020

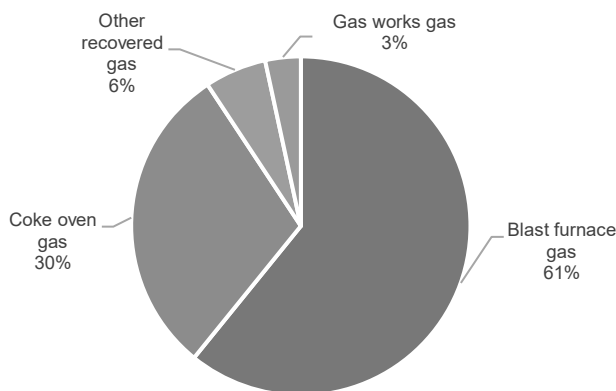


Table 29

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
World	2017	9,598,555	650,976	3,135,478	5,628,827	183,273
	2018	10,682,834	703,512	3,230,350	6,576,645	172,327
	2019	11,058,227	446,909	3,290,400	6,693,031	627,887
	2020	11,128,220	376,775	3,320,502	6,772,214	658,728
Africa	2017	76,369	21,688	23,969	30,712	..
	2018	80,680	22,812	25,355	32,513	..
	2019	67,640	20,600	21,110	25,930	..
	2020	42,933	13,748	12,496	16,689	..
Algeria	2017	3,614	..	..	3,614	..
	2018	5,844	..	..	5,844	..
	2019	5,108	..	..	5,108	..
	2020	2,536	..	..	2,536	..
Egypt	2017	4,268	131	..	4,137	..
	2018	4,764	88	..	4,676	..
	2019	2,825	128	..	2,697	..
	2020	4,152	15	..	4,137	..
South Africa	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	..
	2020	34,933	13,733	11,184	10,016	..
Zimbabwe	2017	712	..	712	..	..
	2018	864	..	864	..	..
	2019	927	..	927	..	..
	2020	1,312	..	1,312	..	..
Asia	2017	7,491,244	550,352	2,233,550	4,605,547	101,796
	2018	8,577,580	599,543	2,355,480	5,521,938	100,618
	2019	9,048,361	354,562	2,448,030	5,688,877	556,892
	2020	9,292,416	293,726	2,529,420	5,875,525	593,745
China	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	6,913,797	324,677	1,680,918	4,452,352	455,851
	2020	7,354,793	264,677	1,816,220	4,765,796	508,100
China, Hong Kong SAR	2017	29,049	29,049	..	..	..
	2018	29,550	29,550	..	..	..
	2019	28,712	28,712	..	..	..
	2020	27,947	27,947	..	..	..
India	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	..
	2020	*587,392	*1,102	*188,003	*398,287	..
Iran (Islamic Rep. of)	2017	24,809	..	9,782	15,027	..
	2018	24,915	..	9,815	15,099	..
	2019	24,847	..	8,674	16,173	..
	2020	24,815	..	8,834	15,982	..
Japan	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
	2020	646,861	..	266,508	331,130	49,224
Kazakhstan	2017	43,921	..	17,490	26,431	..
	2018	39,530	..	16,668	22,862	..
	2019	35,479	..	14,455	21,025	..
	2020	32,370	..	12,135	20,234	..

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, Dem.Ppl's.Rep.	2017	1,645	..	..	1,645	..
	2018	1,222	..	..	1,222	..
	2019	1,026	..	..	1,026	..
	2020	1,067	..	..	1,067	..
Korea, Republic of	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
	2020	387,939	..	142,777	219,137	26,025
Other Asia	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
	2020	137,999	..	58,643	68,958	10,397
Philippines	2017	3,313	..	..	3,313	..
	2018	3,466	..	..	3,466	..
	2019	3,010	..	..	3,010	..
	2020	2,931	..	..	2,931	..
Syrian Arab Republic	2017	3	..	..	3	..
	2018	3	..	..	3	..
	2019	3	..	..	3	..
	2020	3	..	..	3	..
Thailand	2017	622	..	..	622	..
	2018	589	..	..	589	..
	2019	390	..	..	390	..
	2020	..	..	..	..	..
Türkiye	2017	87,062	..	33,109	53,953	..
	2018	88,258	..	36,258	52,000	..
	2019	85,411	..	35,546	49,865	..
	2020	88,300	..	36,300	52,000	..
Europe	2017	1,581,387	17,333	672,437	810,439	81,178
	2018	1,560,056	17,159	635,124	836,360	71,412
	2019	1,508,564	15,917	620,018	801,937	70,692
	2020	1,399,911	11,875	599,915	723,408	64,713
Austria	2017	45,236	..	10,154	30,765	4,317
	2018	38,954	..	10,321	25,239	3,393
	2019	41,769	..	10,428	27,616	3,725
	2020	39,647	..	10,217	25,967	3,462
Belgium	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
	2020	30,070	..	8,921	18,252	2,896
Bosnia and Herzegovina	2017	10,724	..	6,527	4,197	..
	2018	12,246	..	7,632	4,614	..
	2019	12,060	..	6,978	5,082	..
	2020	10,020	..	6,285	3,735	..
Czechia	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
	2020	49,084	9,265	18,063	17,847	3,910
Estonia	2017	13,790	2,156	11,634	..	..
	2018	14,132	3,228	10,905	..	..
	2019	14,370	3,247	11,123	..	..
	2020	13,707	2,610	11,096	..	..

Table 29

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
Finland	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
	2020	20,136	..	7,095	9,048	3,993
France	2017	87,583	..	28,143	50,502	8,938
	2018	86,218	..	..	86,218	..
	2019	81,667	..	..	81,667	..
	2020	62,309	..	..	62,309	..
Germany	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
	2020	204,447	..	58,300	125,509	20,638
Hungary	2017	16,996	..	9,126	7,870	..
	2018	17,669	..	9,109	8,560	..
	2019	15,242	..	8,162	7,080	..
	2020	13,787	..	7,386	6,401	..
Italy	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
	2020	23,857	..	11,506	10,825	1,526
Netherlands	2017	54,912	..	17,917	36,995	..
	2018	54,663	..	18,118	36,545	..
	2019	51,719	..	17,657	34,062	..
	2020	48,690	..	17,093	31,597	..
Norway	2017	4,012	..	..	4,012	..
	2018	4,197	..	..	4,197	..
	2019	3,611	..	..	3,611	..
	2020	3,064	..	..	3,064	..
Poland	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
	2020	88,378	..	65,419	19,443	3,516
Romania	2017	9,408	..	..	9,408	..
	2018	10,137	..	..	10,137	..
	2019	10,354	..	..	10,354	..
	2020	9,743	..	..	9,743	..
Russian Federation	2017	490,758	..	262,407	228,351	..
	2018	481,163	..	261,597	219,566	..
	2019	477,585	..	260,383	217,202	..
	2020	483,271	..	262,669	220,602	..
Serbia	2017	10,609	..	..	10,609	..
	2018	12,281	..	..	12,281	..
	2019	12,231	..	..	12,231	..
	2020	8,310	..	..	8,310	..
Slovakia	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
	2020	27,117	..	9,640	14,880	2,597
Spain	2017	30,325	..	10,927	19,398	..
	2018	30,055	..	10,510	19,545	..
	2019	26,696	..	9,424	17,272	..
	2020	18,514	..	5,513	13,001	..

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
Sweden	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
	2020	22,710	..	7,926	13,159	1,625
Ukraine	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
	2020	177,229	..	80,030	76,648	20,550
United Kingdom	2017	49,190	..	14,042	35,148	..
	2018	45,975	..	13,234	32,741	..
	2019	47,658	..	13,941	33,717	..
	2020	45,822	..	12,755	33,067	..
Latin America & Carib.	2017	132,713	3,546	97,512	31,655	..
	2018	133,340	3,392	99,758	30,189	..
	2019	120,464	3,261	89,960	27,242	..
	2020	130,611	3,300	85,037	42,274	..
Argentina	2017	12,411	..	4,312	8,099	..
	2018	13,374	..	4,788	8,586	..
	2019	10,470	..	3,276	7,194	..
	2020	24,032	..	3,592	20,440	..
Brazil	2017	77,783	..	77,783	..	..
	2018	80,329	..	80,329	..	..
	2019	73,223	..	73,223	..	..
	2020	67,308	..	67,308	..	..
Chile	2017	6,425	79	3,456	2,890	..
	2018	6,727	73	3,745	2,909	..
	2019	6,944	..	3,772	3,172	..
	2020	7,048	..	3,676	3,372	..
Colombia	2017	2,328	..	1,308	1,020	..
	2018	2,220	..	1,189	1,031	..
	2019	2,570	..	1,531	1,040	..
	2020	1,583	..	762	821	..
Cuba	2017	3,473	3,467	..	6	..
	2018	3,333	3,319	..	14	..
	2019	3,275	3,261	..	14	..
	2020	3,311	3,300	..	11	..
Mexico	2017	30,293	..	10,653	19,640	..
	2018	27,357	..	9,707	17,650	..
	2019	23,981	..	8,158	15,823	..
	2020	27,330	..	9,700	17,630	..
Northern America	2017	264,358	58,012	82,120	124,226	..
	2018	281,750	60,567	89,617	131,566	..
	2019	264,405	52,531	86,408	125,466	..
	2020	213,822	54,087	67,995	91,740	..
Canada	2017	43,992	..	22,057	21,935	..
	2018	46,322	..	24,703	21,619	..
	2019	44,009	..	23,969	20,040	..
	2020	42,243	..	22,789	19,454	..
United States	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	..
	2020	171,579	54,087	45,206	72,286	..

Table 29

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
Oceania	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
	2020	48,526	39	25,639	22,577	271
Australia	2017	40,718	45	21,506	19,167	..
	2018	38,161	38	20,687	17,436	..
	2019	35,774	38	19,023	16,713	..
	2020	36,675	39	20,169	16,467	..
New Zealand	2017	11,766	..	4,385	7,082	299
	2018	11,268	..	4,329	6,642	296
	2019	13,019	..	5,851	6,865	303
	2020	11,851	..	5,470	6,110	271