

Table 29

Production of manufactured and recovered gases - by type

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.

Figure 71: Production of manufactured gases by region, 1990-2013

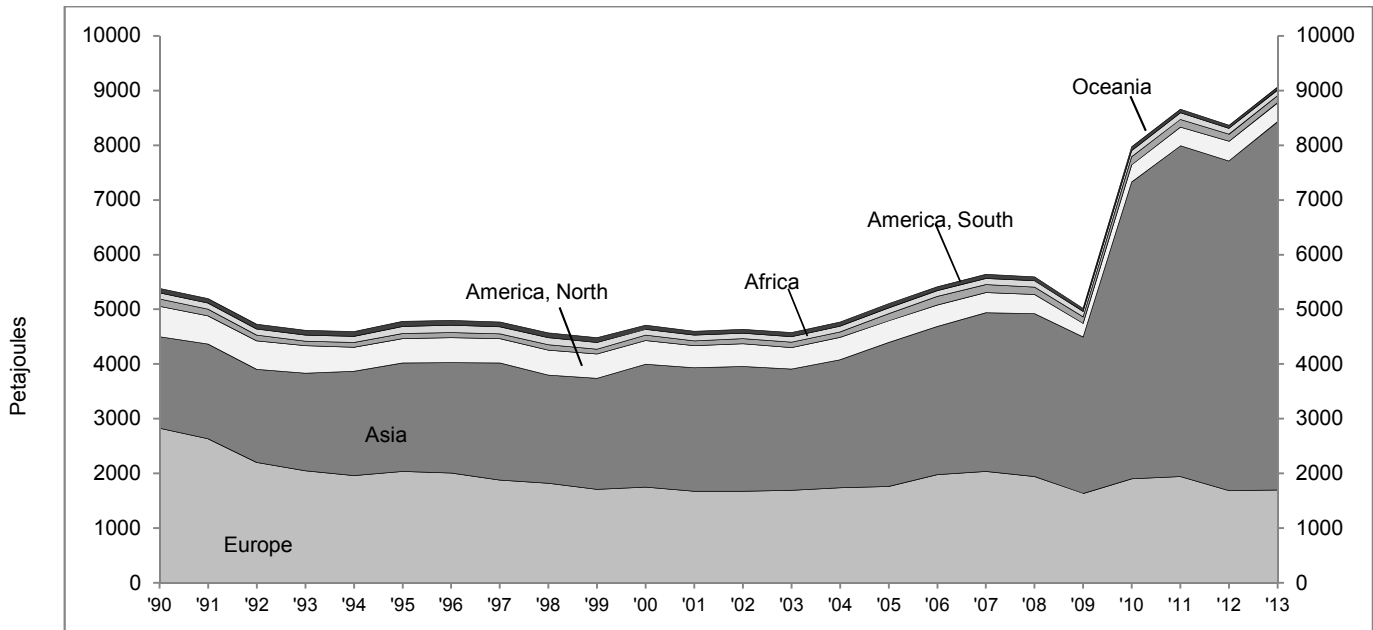
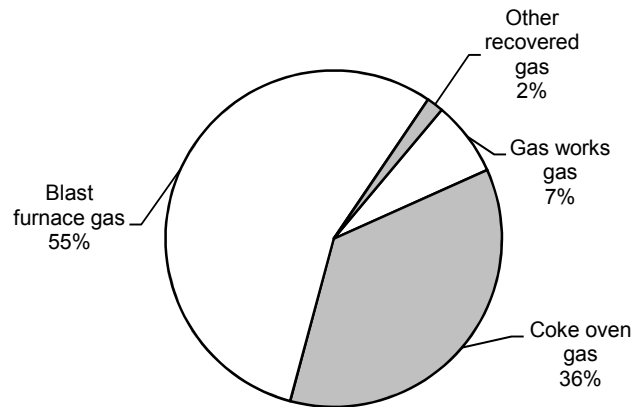


Figure 72: World production of manufactured and recovered gases by type, 2013



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	2010	7,973,841	505,326	3,046,697	4,281,437	140,381
	2011	8,659,626	594,165	3,210,952	4,716,801	137,708
	2012	8,364,193	599,335	3,131,785	4,494,026	139,047
	2013	9,063,209	650,916	3,251,460	5,012,791	148,041
Africa	2010	150,840	83,418	27,352	40,070	..
	2011	141,738	82,702	23,484	35,552	..
	2012	131,073	76,177	23,601	31,295	..
	2013	131,028	79,455	25,401	26,172	..
Algeria	2010	5,379	..	..	5,379	..
	2011	4,583	..	..	4,583	..
	2012	4,880	..	..	4,880	..
	2013	2,515	..	..	2,515	..
Egypt	2010	9,011	214	..	8,797	..
	2011	9,221	214	..	9,007	..
	2012	*4,670	195	..	*4,475	..
	2013	*64	*64	..	..	..
South Africa	2010	135,335	83,204	26,237	25,894	..
	2011	126,688	82,488	22,238	21,962	..
	2012	120,147	75,982	22,225	21,940	..
	2013	127,012	79,391	23,964	23,657	..
Zimbabwe	2010	1,115	..	1,115	..	..
	2011	1,246	..	1,246	..	..
	2012	1,376	..	1,376	..	..
	2013	1,437	..	1,437	..	..
America, North	2010	312,766	59,790	108,686	144,290	..
	2011	342,005	56,572	119,085	166,348	..
	2012	358,325	58,167	122,548	177,610	..
	2013	347,051	51,149	130,049	165,853	..
Canada	2010	43,419	..	22,266	21,153	..
	2011	46,921	..	24,062	22,859	..
	2012	50,942	..	26,124	24,818	..
	2013	48,789	..	25,020	23,769	..
Costa Rica	2010	856	..	..	856	..
	2011	782	..	..	782	..
	2012	*847	..	..	*847	..
	2013	848	..	..	848	..
Cuba	2010	3,773	3,694	..	*79	..
	2011	3,886	3,852	..	*34	..
	2012	4,097	4,063	..	*34	..
	2013	4,182	4,148	..	*34	..
Mexico	2010	13,560	..	8,788	4,772	..
	2011	13,091	..	8,442	4,649	..
	2012	9,368	..	6,163	3,205	..
	2013	28,413	..	18,228	10,185	..
United States	2010	251,158	56,096	77,632	117,430	..
	2011	277,325	52,720	86,581	138,024	..
	2012	293,071	54,104	90,261	148,706	..
	2013	264,819	47,001	86,801	131,017	..
America, South	2010	110,317	491	93,331	16,495	..
	2011	119,389	451	98,017	20,921	..
	2012	108,134	639	89,955	17,540	..
	2013	102,482	598	87,014	14,870	..

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Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Argentina	2010	21,523	..	9,937	11,586	..
	2011	23,505	..	10,852	12,653	..
	2012	15,510	..	6,048	9,462	..
	2013	14,905	..	5,443	9,462	..
Brazil	2010	76,092	..	76,092	..	..
	2011	78,743	..	78,743	..	..
	2012	75,987	..	75,987	..	..
	2013	73,712	..	73,712	..	..
Chile	2010	7,349	491	3,652	3,206	..
	2011	11,152	451	4,466	6,235	..
	2012	10,949	639	3,964	6,346	..
	2013	8,624	598	4,160	3,866	..
Colombia	2010	5,353	..	3,650	1,703	..
	2011	5,989	..	3,956	2,033	..
	2012	5,688	..	3,956	1,732	..
	2013	5,241	..	3,699	1,542	..
Asia	2010	5,428,083	331,602	2,012,938	2,984,150	99,393
	2011	6,047,563	426,522	2,152,254	3,372,046	96,741
	2012	6,027,492	437,665	2,106,401	3,384,573	98,853
	2013	6,730,841	493,930	2,221,931	3,907,835	107,144
China	2010	3,602,669	294,675	1,335,339	1,972,655	..
	2011	4,207,374	388,989	1,485,202	2,333,184	..
	2012	4,136,293	399,882	1,437,323	2,299,088	..
	2013	4,738,852	455,941	1,536,283	2,746,628	..
China, Hong Kong SAR	2010	27,578	27,578	..	..	..
	2011	28,147	28,147	..	..	..
	2012	*28,360	*28,360	..	..	..
	2013	28,556	28,556	..	..	..
India	2010	327,817	788	101,700	225,329	..
	2011	337,634	825	101,585	235,224	..
	2012	378,369	862	116,299	261,208	..
	2013	430,675	872	127,385	302,418	..
Indonesia	2010	*3,300	*3,300	..	..	..
	2011	*3,300	*3,300	..	..	..
	2012	*3,300	*3,300	..	..	..
	2013	*3,300	*3,300	..	..	..
Iran (Islamic Rep. of)	2010	24,723	..	5,119	19,604	..
	2011	24,205	..	4,257	19,948	..
	2012	19,867	..	3,131	16,736	..
	2013	24,013	..	3,113	20,900	..
Japan	2010	885,354	..	363,852	448,708	72,794
	2011	831,823	..	337,116	429,625	65,082
	2012	844,512	..	333,806	442,758	67,948
	2013	893,190	..	334,629	488,319	70,242
Kazakhstan	2010	37,059	..	15,612	21,447	..
	2011	37,796	..	16,565	21,231	..
	2012	34,176	..	15,540	18,636	..
	2013	22,569	..	8,690	13,879	..
Korea, Dem.Ppl's.Rep.	2010	1,931	..	..	1,931	..
	2011	1,849	..	..	1,849	..
	2012	1,844	..	..	1,844	..
	2013	1,801	..	..	1,801	..

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	2010	323,903	..	108,214	196,301	19,388
	2011	381,648	..	125,092	233,841	22,715
	2012	382,844	..	126,679	234,178	21,987
	2013	366,032	..	126,773	212,335	26,924
Other Asia	2010	116,567	..	55,204	54,152	7,211
	2011	121,576	..	55,795	56,837	8,944
	2012	112,234	..	44,465	58,851	8,918
	2013	130,496	..	53,353	67,165	9,978
Pakistan	2010	2,644	..	..	2,644	..
	2011	1,697	..	..	1,697	..
	2012	*1,631	..	..	*1,631	..
	2013	1,737	..	..	1,737	..
Philippines	2010	2,188	..	..	2,188	..
	2011	2,493	..	..	2,493	..
	2012	*2,620	..	..	*2,620	..
	2013	*2,620	..	..	*2,620	..
Singapore	2010	*5,261	*5,261	..	..	..
	2011	*5,261	*5,261	..	..	..
	2012	*5,261	*5,261	..	..	..
	2013	*5,261	*5,261	..	..	..
Syrian Arab Republic	2010	45	..	..	45	..
	2011	45	..	..	45	..
	2012	6	..	..	6	..
	2013	6	..	..	6	..
Thailand	2010	*372	..	..	*372	..
	2011	384	..	..	384	..
	2012	305	..	..	305	..
	2013	327	..	..	327	..
Turkey	2010	66,672	..	27,898	38,774	..
	2011	62,331	..	26,643	35,688	..
	2012	75,870	..	29,158	46,712	..
	2013	81,405	..	31,705	49,700	..
Europe	2010	1,902,577	29,693	776,853	1,055,325	40,706
	2011	1,941,962	27,669	789,768	1,083,835	40,690
	2012	1,685,174	26,500	763,689	855,074	39,911
	2013	1,699,129	25,644	760,604	872,260	40,621
Austria	2010	43,749	..	10,772	32,977	..
	2011	45,240	..	10,647	34,593	..
	2012	43,578	..	10,606	32,972	..
	2013	45,725	..	10,333	35,392	..
Belgium	2010	40,787	..	15,670	24,106	1,011
	2011	42,547	..	15,622	23,953	2,972
	2012	38,387	..	14,021	21,190	3,176
	2013	38,403	..	13,493	21,684	3,226
Bosnia and Herzegovina	2010	11,481	..	7,295	4,186	..
	2011	11,753	..	7,212	4,541	..
	2012	10,642	..	5,778	4,864	..
	2013	*11,258	..	*6,265	*4,993	..
Croatia	2010	197	197
	2011	144	144
	2012	109	109
	2013	76	76

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Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Czech Republic	2010	61,499	17,724	20,144	21,795	1,836
	2011	61,617	17,962	20,602	21,181	1,872
	2012	58,546	16,917	19,843	20,013	1,773
	2013	59,272	16,396	20,550	20,513	1,813
Denmark	2010	607	607	..	..	..
	2011	615	615	..	..	..
	2012	613	613	..	..	..
	2013	686	686	..	..	..
Estonia	2010	7,127	7,127	..	..	..
	2011	7,204	7,204	..	..	..
	2012	7,422	7,422	..	..	..
	2013	7,203	7,203	..	..	..
Finland	2010	22,482	..	7,769	12,714	1,999
	2011	23,921	..	9,321	12,717	1,883
	2012	21,663	..	8,927	10,970	1,766
	2013	21,833	..	8,316	10,249	3,268
France	2010	76,304	..	24,117	52,187	..
	2011	68,011	..	21,552	46,459	..
	2012	73,679	..	22,366	51,313	..
	2013	79,347	..	24,297	55,050	..
Germany	2010	258,016	..	68,614	169,314	20,088
	2011	247,932	..	66,551	163,289	18,092
	2012	244,869	..	66,735	158,930	19,204
	2013	251,697	..	68,582	164,517	18,598
Hungary	2010	17,579	..	9,220	8,359	..
	2011	17,260	..	9,575	7,685	..
	2012	16,665	..	9,375	7,290	..
	2013	11,949	..	8,014	3,935	..
Italy	2010	48,306	..	16,088	29,591	2,627
	2011	55,285	..	19,198	34,635	1,452
	2012	63,363	..	30,354	32,249	760
	2013	44,003	..	19,494	23,838	671
Netherlands	2010	54,218	..	18,328	35,890	..
	2011	55,171	..	18,093	37,078	..
	2012	54,478	..	17,477	37,001	..
	2013	53,207	..	17,570	35,637	..
Norway	2010	2,487	..	..	2,487	..
	2011	2,559	..	..	2,559	..
	2012	3,779	..	..	3,779	..
	2013	3,816	..	..	3,816	..
Poland	2010	109,600	114	81,120	22,022	6,344
	2011	106,176	103	77,156	22,271	6,646
	2012	101,621	75	72,579	22,684	6,283
	2013	105,601	73	76,493	22,530	6,505
Romania	2010	9,360	..	14	9,346	..
	2011	7,462	..	0	7,462	..
	2012	8,899	..	0	8,899	..
	2013	9,478	..	0	9,478	..
Russian Federation	2010	668,855	..	272,945	395,910	..
	2011	718,111	..	287,171	430,940	..
	2012	489,998	..	269,890	220,108	..
	2013	501,051	..	278,399	222,652	..

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
Serbia	2010	9,150	..	..	9,150	..
	2011	9,779	..	..	9,779	..
	2012	3,033	..	..	3,033	..
	2013	3,182	..	..	3,182	..
Slovakia	2010	39,889	..	13,544	23,004	3,341
	2011	37,347	..	13,263	20,718	3,366
	2012	36,529	..	12,976	21,165	2,388
	2013	36,294	..	12,695	21,056	2,543
Spain	2010	36,163	1,541	17,867	16,755	..
	2011	35,849	149	17,329	18,371	..
	2012	31,504	71	14,366	17,067	..
	2013	32,298	26	13,598	18,674	..
Sweden	2010	24,148	851	8,516	14,054	727
	2011	22,963	435	9,376	12,896	256
	2012	21,606	406	8,460	11,512	1,228
	2013	20,702	381	7,995	11,157	1,169
Ukraine	2010	286,770	1,532	152,083	130,422	2,733
	2011	295,138	1,057	155,034	134,896	4,151
	2012	282,171	887	150,008	127,943	3,333
	2013	275,455	803	143,771	128,053	2,828
United Kingdom	2010	73,803	..	32,747	41,056	..
	2011	69,878	..	32,066	37,812	..
	2012	72,020	..	29,928	42,092	..
	2013	86,593	..	30,739	55,854	..
Oceania	2010	69,258	332	27,537	41,107	282
	2011	66,969	249	28,344	38,099	277
	2012	53,995	187	25,591	27,934	283
	2013	52,678	140	26,461	25,801	276
Australia	2010	57,141	332	22,691	34,118	..
	2011	56,462	249	24,265	31,948	..
	2012	42,698	187	21,489	21,022	..
	2013	40,743	140	21,728	18,875	..
New Zealand	2010	12,117	..	4,846	6,989	282
	2011	10,507	..	4,079	6,151	277
	2012	11,297	..	4,102	6,912	283
	2013	11,935	..	4,733	6,926	276