

**Table 29**

**Production of manufactured and recovered gases - by type**

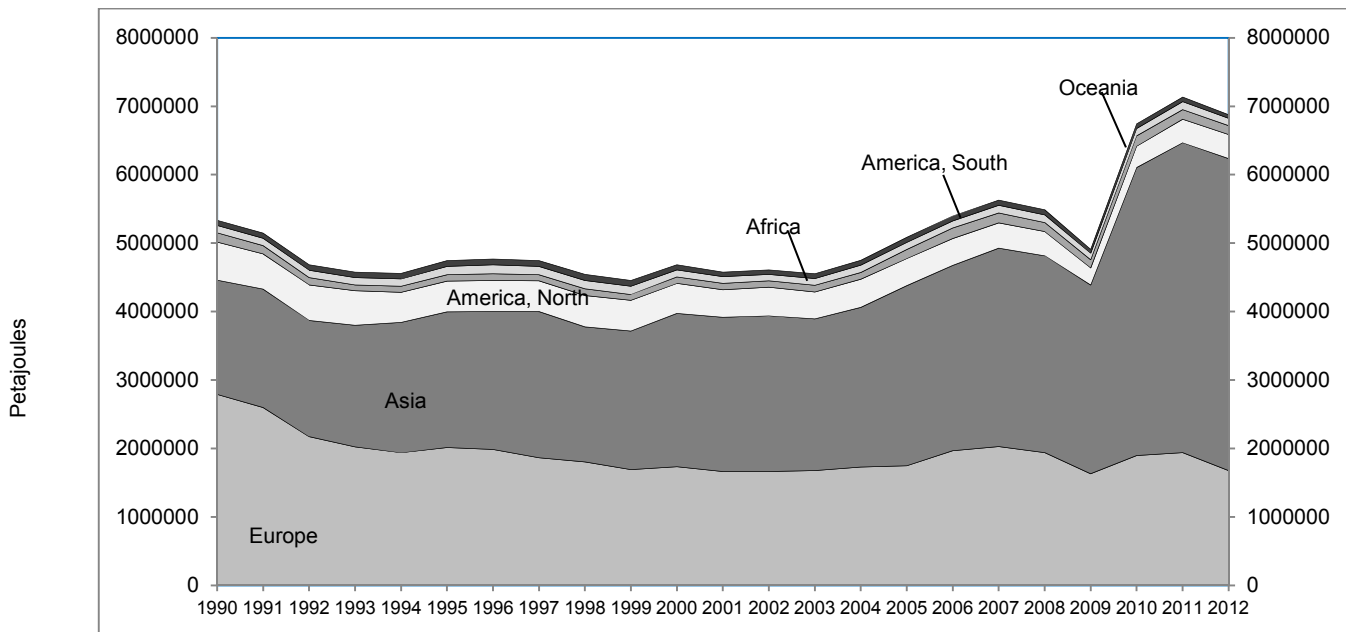
**Table Notes**

**Total production**

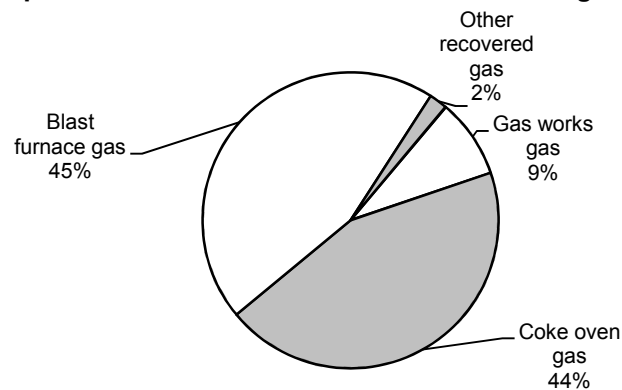
Total production of gasworks gas, coke oven gas, blast furnace gas and other recovered gases.

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, 1990-2012**



**Figure 72: World production of manufactured and recovered gases by type, 2012**



## 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
<b>World</b>	<b>2009</b>	<b>4,922,827</b>	<b>336,652</b>	<b>2,489,951</b>	<b>1,978,241</b>	<b>117,983</b>
	<b>2010</b>	<b>6,751,564</b>	<b>505,326</b>	<b>2,941,662</b>	<b>3,166,978</b>	<b>137,598</b>
	<b>2011</b>	<b>7,139,578</b>	<b>594,164</b>	<b>3,107,384</b>	<b>3,302,909</b>	<b>135,121</b>
	<b>2012</b>	<b>6,882,383</b>	<b>599,121</b>	<b>3,043,645</b>	<b>3,102,819</b>	<b>136,798</b>
<b>Africa</b>	<b>2009</b>	<b>119,172</b>	<b>82,008</b>	<b>8,585</b>	<b>28,579</b>	<b>..</b>
	<b>2010</b>	<b>150,823</b>	<b>83,418</b>	<b>27,335</b>	<b>40,070</b>	<b>..</b>
	<b>2011</b>	<b>141,690</b>	<b>82,702</b>	<b>23,436</b>	<b>35,552</b>	<b>..</b>
	<b>2012</b>	<b>130,951</b>	<b>76,177</b>	<b>23,479</b>	<b>31,295</b>	<b>..</b>
Algeria	2009	5,261	..	398	4,863	..
	2010	5,379	..	0	5,379	..
	2011	4,583	..	0	4,583	..
	2012	4,880	..	0	4,880	..
Egypt	2009	9,303	288	..	9,015	..
	2010	9,011	214	..	8,797	..
	2011	9,221	214	..	9,007	..
	2012	*4,670	195	..	*4,475	..
South Africa	2009	103,606	81,720	7,185	14,701	..
	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	..
Zimbabwe	2009	1,002	..	1,002	0	..
	2010	1,098	..	1,098	0	..
	2011	1,198	..	1,198	0	..
	2012	1,254	..	1,254	..	..
<b>America, North</b>	<b>2009</b>	<b>249,935</b>	<b>58,265</b>	<b>81,029</b>	<b>110,641</b>	<b>..</b>
	<b>2010</b>	<b>312,766</b>	<b>59,790</b>	<b>108,686</b>	<b>144,290</b>	<b>..</b>
	<b>2011</b>	<b>342,005</b>	<b>56,572</b>	<b>119,085</b>	<b>166,348</b>	<b>..</b>
	<b>2012</b>	<b>352,923</b>	<b>58,167</b>	<b>119,778</b>	<b>174,978</b>	<b>..</b>
Canada	2009	39,390	..	20,200	19,190	..
	2010	43,419	..	22,266	21,153	..
	2011	46,921	..	24,062	22,859	..
	2012	45,540	..	23,354	22,186	..
Costa Rica	2009	922	..	..	922	..
	2010	856	..	..	856	..
	2011	782	..	..	782	..
	2012	*847	..	..	*847	..
Cuba	2009	3,642	3,518	..	*124	..
	2010	3,773	3,694	..	*79	..
	2011	3,886	3,852	..	*34	..
	2012	4,097	4,063	..	*34	..
Mexico	2009	10,600	..	7,013	3,587	..
	2010	13,560	..	8,788	4,772	..
	2011	13,091	..	8,442	4,649	..
	2012	9,368	..	6,163	3,205	..
United States	2009	195,381	54,747	53,816	86,818	..
	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	..
<b>America, South</b>	<b>2009</b>	<b>97,486</b>	<b>577</b>	<b>81,017</b>	<b>15,892</b>	<b>..</b>
	<b>2010</b>	<b>107,538</b>	<b>491</b>	<b>90,552</b>	<b>16,495</b>	<b>..</b>
	<b>2011</b>	<b>117,446</b>	<b>451</b>	<b>96,074</b>	<b>20,921</b>	<b>..</b>
	<b>2012</b>	<b>106,402</b>	<b>639</b>	<b>88,223</b>	<b>17,540</b>	<b>..</b>

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
Argentina	2009	16,810	..	7,761	9,049	..
	2010	21,523	..	9,937	11,586	..
	2011	23,505	..	10,852	12,653	..
	2012	15,510	..	6,048	9,462	..
Brazil	2009	67,010	..	67,010	..	..
	2010	76,092	..	76,092	..	..
	2011	78,743	..	78,743	..	..
	2012	75,987	..	75,987	..	..
Chile	2009	9,198	577	4,056	4,565	..
	2010	7,349	491	3,652	3,206	..
	2011	11,152	451	4,466	6,235	..
	2012	10,949	639	3,964	6,346	..
Colombia	2009	4,468	..	2,190	2,278	..
	2010	2,574	..	871	1,703	..
	2011	4,046	..	2,013	2,033	..
	2012	3,956	..	2,224	1,732	..
<b>Asia</b>	<b>2009</b>	<b>2,760,492</b>	<b>165,133</b>	<b>1,618,598</b>	<b>889,602</b>	<b>87,159</b>
	<b>2010</b>	<b>4,208,996</b>	<b>331,602</b>	<b>1,911,238</b>	<b>1,866,763</b>	<b>99,393</b>
	<b>2011</b>	<b>4,529,348</b>	<b>426,521</b>	<b>2,050,669</b>	<b>1,955,417</b>	<b>96,741</b>
	<b>2012</b>	<b>4,559,065</b>	<b>437,451</b>	<b>2,023,006</b>	<b>1,999,755</b>	<b>98,853</b>
China	2009	1,246,767	128,547	1,118,220	..	..
	2010	2,485,282	294,675	1,335,339	855,268	..
	2011	2,790,745	388,989	1,485,202	916,555	..
	2012	2,778,464	399,882	1,464,312	914,270	..
China, Hong Kong SAR	2009	27,274	27,274	..	..	..
	2010	27,578	27,578	..	..	..
	2011	28,146	28,146	..	..	..
	2012	*28,146	*28,146	..	..	..
India	2009	229,291	751	..	228,540	..
	2010	226,117	788	..	225,329	..
	2011	236,049	825	..	235,224	..
	2012	262,070	862	..	261,208	..
Indonesia	2009	*3,300	*3,300	..	..	..
	2010	*3,300	*3,300	..	..	..
	2011	*3,300	*3,300	..	..	..
	2012	*3,300	*3,300	..	..	..
Iran(Islamic Rep. of)	2009	23,943	..	6,491	17,452	..
	2010	24,723	..	5,119	19,604	..
	2011	24,205	..	4,257	19,948	..
	2012	19,867	..	3,131	16,736	..
Japan	2009	793,386	..	332,337	393,685	67,364
	2010	885,354	..	363,852	448,708	72,794
	2011	831,823	..	337,116	429,625	65,082
	2012	850,427	..	339,721	442,758	67,948
Kazakhstan	2009	38,102	..	17,238	20,864	..
	2010	37,059	..	15,612	21,447	..
	2011	37,796	..	16,565	21,231	..
	2012	34,176	..	15,540	18,636	..
Korea, Dem.Ppl's.Rep.	2009	1,895	..	..	1,895	..
	2010	1,931	..	..	1,931	..
	2011	1,849	..	..	1,849	..
	2012	1,844	..	..	1,844	..

## 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	2009	241,305	..	78,035	149,479	13,791
	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
Other Asia	2009	84,101	..	39,940	38,157	6,004
	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
Pakistan	2009	2,666	..	..	2,666	..
	2010	2,644	..	..	2,644	..
	2011	1,697	..	..	1,697	..
	2012	*1,631	..	..	*1,631	..
Philippines	2009	1,715	..	..	1,715	..
	2010	2,188	..	..	2,188	..
	2011	2,493	..	..	2,493	..
	2012	*2,620	..	..	*2,620	..
Singapore	2009	5,261	5,261	..	..	..
	2010	*5,261	*5,261	..	..	..
	2011	*5,261	*5,261	..	..	..
	2012	*5,261	*5,261	..	..	..
Syrian Arab Republic	2009	45	..	..	45	..
	2010	45	..	..	45	..
	2011	45	..	..	45	..
	2012	6	..	..	6	..
Thailand	2009	327	..	..	327	..
	2010	*372	..	..	*372	..
	2011	384	..	..	384	..
	2012	305	..	..	305	..
Turkey	2009	61,114	..	26,337	34,777	..
	2010	66,672	..	27,898	38,774	..
	2011	62,331	..	26,643	35,688	..
	2012	75,870	..	29,158	46,712	..
<b>Europe</b>	<b>2009</b>	<b>1,637,283</b>	<b>27,807</b>	<b>676,473</b>	<b>902,423</b>	<b>30,580</b>
	<b>2010</b>	<b>1,902,183</b>	<b>29,693</b>	<b>776,314</b>	<b>1,058,253</b>	<b>37,923</b>
	<b>2011</b>	<b>1,942,120</b>	<b>27,669</b>	<b>789,776</b>	<b>1,086,572</b>	<b>38,103</b>
	<b>2012</b>	<b>1,679,214</b>	<b>26,500</b>	<b>763,735</b>	<b>851,317</b>	<b>37,662</b>
Austria	2009	34,127	..	9,072	25,055	..
	2010	43,210	..	10,233	32,977	..
	2011	45,240	..	10,647	34,593	..
	2012	43,578	..	10,606	32,972	..
Belgium	2009	24,693	..	10,318	14,375	..
	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
Bosnia and Herzegovina	2009	8,127	..	4,921	3,206	..
	2010	11,481	..	7,295	4,186	..
	2011	11,753	..	7,212	4,541	..
	2012	10,642	..	5,778	4,864	..
Croatia	2009	220	220	..	..	..
	2010	197	197	..	..	..
	2011	144	144	..	..	..
	2012	109	109	..	..	..

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
Czech Republic	2009	55,449	16,588	18,606	18,621	1,634
	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
Denmark	2009	558	558	..	..	..
	2010	607	607	..	..	..
	2011	615	615	..	..	..
	2012	613	613	..	..	..
Estonia	2009	6,360	6,360	..	..	..
	2010	7,127	7,127	..	..	..
	2011	7,204	7,204	..	..	..
	2012	7,422	7,422	..	..	..
Finland	2009	18,406	..	7,064	11,342	..
	2010	22,482	..	7,769	14,713	..
	2011	23,921	..	9,321	14,600	..
	2012	21,663	..	8,927	12,736	..
France	2009	67,411	..	24,878	42,533	..
	2010	76,304	..	24,117	52,187	..
	2011	68,011	..	21,552	46,459	..
	2012	68,179	..	22,366	45,813	..
Germany	2009	190,291	..	57,926	116,528	15,837
	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
Hungary	2009	13,805	..	6,486	7,319	..
	2010	18,508	..	9,220	9,288	..
	2011	18,114	..	9,575	8,539	..
	2012	17,475	..	9,375	8,100	..
Italy	2009	36,992	..	12,897	22,107	1,988
	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
Netherlands	2009	43,477	..	15,421	28,056	..
	2010	54,218	..	18,328	35,890	..
	2011	55,171	..	18,093	37,078	..
	2012	54,478	..	17,477	37,001	..
Norway	2009	1,420	..	..	1,420	..
	2010	2,487	..	..	2,487	..
	2011	2,559	..	..	2,559	..
	2012	2,947	..	..	2,947	..
Poland	2009	82,872	113	59,307	17,610	5,842
	2010	108,816	114	81,120	22,022	5,560
	2011	105,472	103	77,156	22,271	5,942
	2012	101,138	75	72,579	22,684	5,800
Romania	2009	11,279	..	2,341	8,938	..
	2010	9,360	..	14	9,346	..
	2011	7,462	..	0	7,462	..
	2012	8,899	..	0	8,899	..
Russian Federation	2009	612,381	..	240,914	371,467	..
	2010	668,855	..	272,945	395,910	..
	2011	718,111	..	287,171	430,940	..
	2012	489,998	..	269,890	220,108	..

## 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	2009	8,205	..	..	8,205	..
	2010	9,150	..	..	9,150	..
	2011	9,779	..	..	9,779	..
	2012	3,033	..	..	3,033	..
Slovakia	2009	33,804	..	12,311	19,329	2,164
	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
Spain	2009	30,646	1,820	14,395	14,431	..
	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	..
Sweden	2009	18,643	967	7,436	9,297	943
	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
Ukraine	2009	267,843	1,181	142,221	122,269	2,172
	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
United Kingdom	2009	70,274	..	29,959	40,315	..
	2010	73,803	..	32,747	41,056	..
	2011	69,886	..	32,074	37,812	..
	2012	72,065	..	29,974	42,091	..
<b>Oceania</b>	<b>2009</b>	<b>58,459</b>	<b>2,862</b>	<b>24,249</b>	<b>31,104</b>	<b>244</b>
	<b>2010</b>	<b>69,258</b>	<b>332</b>	<b>27,537</b>	<b>41,107</b>	<b>282</b>
	<b>2011</b>	<b>66,969</b>	<b>249</b>	<b>28,344</b>	<b>38,099</b>	<b>277</b>
	<b>2012</b>	<b>53,828</b>	<b>187</b>	<b>25,424</b>	<b>27,934</b>	<b>283</b>
Australia	2009	47,906	2,862	20,011	25,033	..
	2010	57,141	332	22,691	34,118	..
	2011	56,462	249	24,265	31,948	..
	2012	42,531	187	21,322	21,022	..
New Zealand	2009	10,553	..	4,238	6,071	244
	2010	12,117	..	4,846	6,989	282
	2011	10,507	..	4,079	6,151	277
	2012	11,297	..	4,102	6,912	283