

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Table Notes

Output is equal to the sum of “production from refineries” for aviation gasoline, bitumen, gas/diesel oil, ethane, feedstocks, gasoline-type jet fuel, kerosene-type jet fuel, other kerosene, liquefied petroleum gas, lubricants, motor gasoline, naphtha, petroleum coke, other oil products, paraffin waxes, fuel oil, refinery gas and white spirits.

Throughput is equal to the sum of “transformation in refineries” for conventional crude oil, feedstocks, other hydrocarbons, additives and oxygenates, and natural gas liquids.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification.

Figure 43: Refinery distillation capacity, throughput and output, by region, 2012

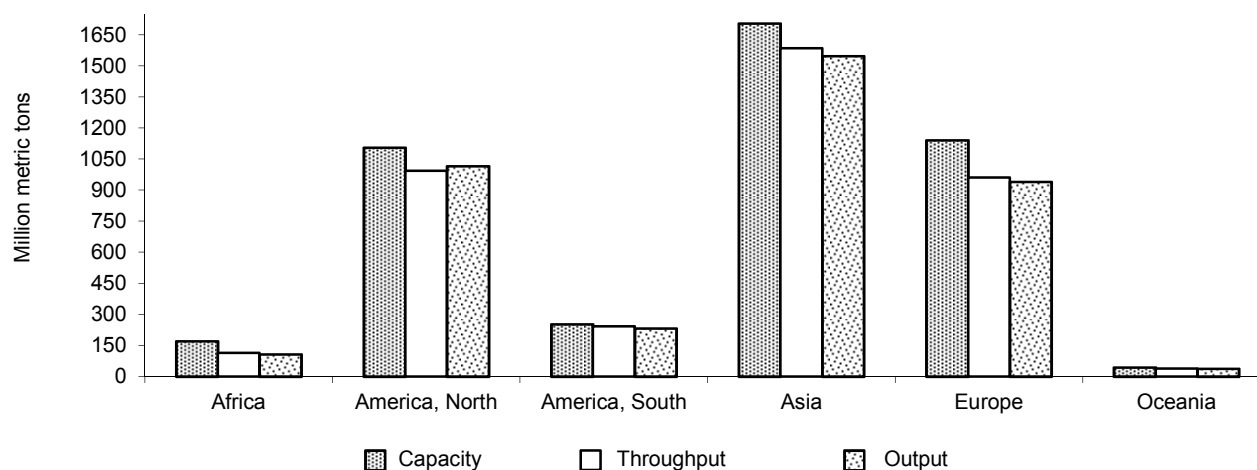


Figure 44: Total refinery distillation capacity by region, 1990-2012

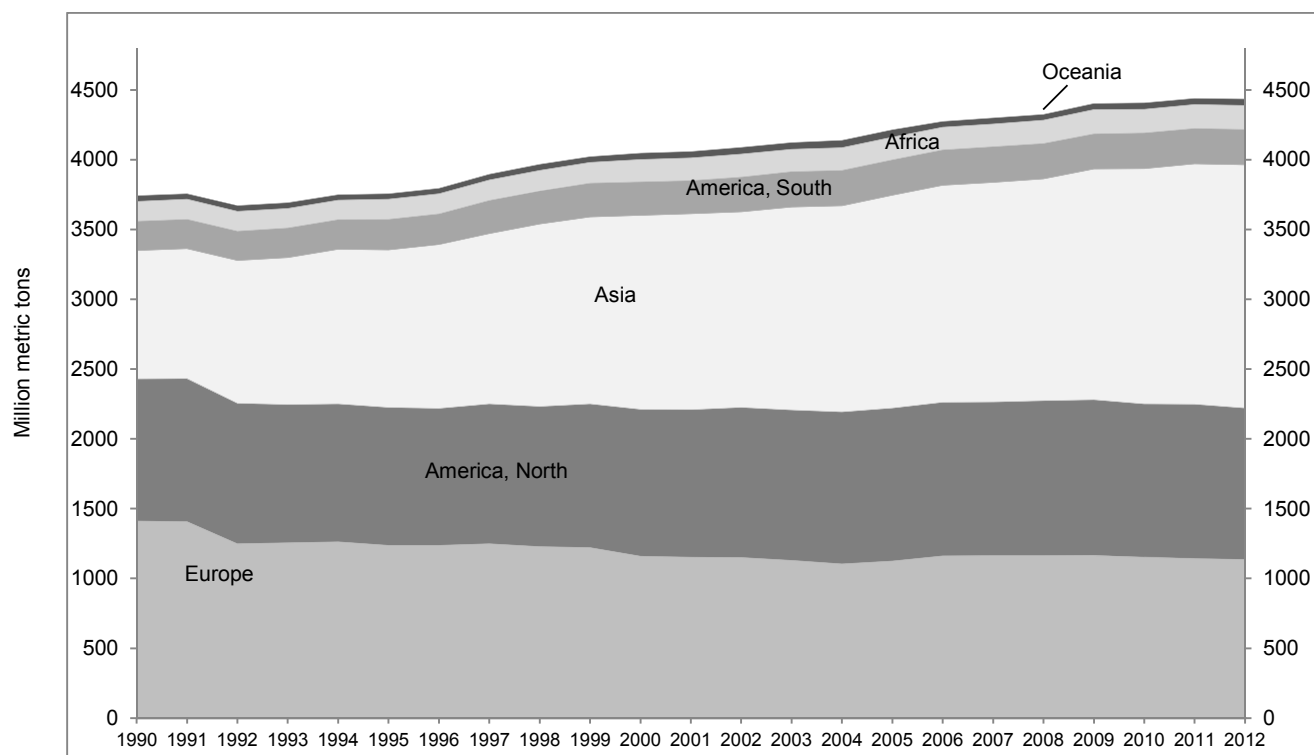


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2009	4,403,407	3,838,198	3,723,944
	2010	4,407,687	3,925,329	3,847,928
	2011	4,440,951	3,949,730	3,884,574
	2012	4,435,349	4,047,609	3,947,600
Africa	2009	173,607	112,594	109,297
	2010	170,682	121,619	119,348
	2011	170,784	113,596	108,962
	2012	172,855	111,276	108,695
Algeria	2009	32,581	23,523	22,576
	2010	32,581	27,292	26,402
	2011	32,581	25,995	25,320
	2012	34,658	23,710	23,007
Angola	2009	2,750	1,851	1,851
	2010	2,750	1,883	1,843
	2011	2,750	1,953	1,906
	2012	2,750	1,922	1,928
Cameroon	2009	1,845	1,762	1,732
	2010	1,845	2,063	2,057
	2011	1,845	1,999	1,994
	2012	1,845	1,963	1,958
Congo	2009	1,047	728	693
	2010	1,047	675	655
	2011	1,047	603	575
	2012	1,047	874	833
Côte d'Ivoire	2009	3,192	3,533	3,220
	2010	3,192	2,982	3,054
	2011	3,192	2,424	2,236
	2012	3,192	3,446	3,213
Egypt	2009	36,222	29,771	28,985
	2010	36,222	28,921	29,379
	2011	36,228	30,387	28,076
	2012	36,222	27,230	27,110
Gabon	2009	1,198	876	874
	2010	1,198	938	935
	2011	1,198	934	932
	2012	1,198	901	900
Ghana	2009	2,244	441	340
	2010	2,244	903	975
	2011	2,244	1,091	1,000
	2012	2,244	524	474
Kenya	2009	4,488	1,781	1,511
	2010	4,492	1,506	1,473
	2011	4,488	1,796	1,689
	2012	4,488	996	968
Liberia	2009	749	..	..
	2010	749	..	..
	2011	749	..	..
	2012	749	..	..
Libya	2009	18,852	15,079	14,777
	2010	18,852	16,477	16,147
	2011	18,852	5,534	5,423
	2012	18,852	8,206	8,042

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Mauritania	2009	*1,000	..	..
	2010	*1,000	..	..
	2011	0	..	..
	2012	0	..	..
Morocco	2009	6,500	4,643	4,429
	2010	6,500	6,328	5,754
	2011	6,500	7,072	6,979
	2012	6,500	7,563	7,049
Niger	2009	..	..	..
	2010	..	0	0
	2011	*1,200	80	57
	2012	*1,200	611	560
Nigeria	2009	25,187	2,531	2,400
	2010	22,195	4,941	4,885
	2011	22,195	5,887	5,868
	2012	22,195	4,619	4,674
Senegal	2009	1,248	566	706
	2010	1,248	726	597
	2011	1,248	803	714
	2012	1,248	778	768
Sierra Leone	2009	498	..	..
	2010	498	..	..
	2011	498	..	..
	2012	498	..	..
South Africa	2009	24,204	18,127	18,111
	2010	24,267	20,111	19,476
	2011	24,167	21,163	20,504
	2012	24,167	21,469	20,876
Sudan	2009	6,074	5,111	4,887
	2010	6,074	4,989	4,868
	2011	6,074	4,487	4,354
	2012	6,074	4,008	3,953
Tunisia	2009	1,800	1,684	1,649
	2010	1,800	259	257
	2011	1,800	719	702
	2012	1,800	1,739	1,704
United Rep. of Tanzania	2009	743	..	..
	2010	743	..	..
	2011	743	..	..
	2012	743	..	..
Zambia	2009	1,185	587	556
	2010	1,185	625	591
	2011	1,185	668	633
	2012	1,185	717	678
America, North	2009	1,114,700	984,975	988,454
	2010	1,098,328	986,945	1,008,458
	2011	1,107,336	993,958	1,017,234
	2012	1,085,455	974,751	972,731
Aruba	2009	11,721	*10,561	*10,058
	2010	11,463	*10,572	*10,067
	2011	11,463	*10,550	*10,050
	2012	11,463	*2,580	*2,440

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Canada	2009	101,708	93,514	95,030
	2010	94,863	95,076	97,036
	2011	95,683	90,250	92,472
	2012	95,249	92,873	92,868
Costa Rica	2009	1,247	375	354
	2010	1,247	511	503
	2011	1,247	151	150
	2012	0	0	0
Cuba	2009	9,975	*5,237	5,185
	2010	5,827	*5,053	5,003
	2011	5,985	*4,962	4,871
	2012	6,135	5,145	5,122
Dominican Republic	2009	1,721	1,296	1,247
	2010	1,721	1,393	1,340
	2011	1,721	1,321	1,264
	2012	1,721	1,234	1,168
El Salvador	2009	1,097	899	885
	2010	1,097	834	808
	2011	1,097	772	743
	2012	1,097	549	528
Guatemala	2009	748	91	88
	2010	748	74	70
	2011	*748	86	81
	2012	*748	72	71
Jamaica	2009	1,795	1,190	1,166
	2010	1,795	1,144	1,147
	2011	1,795	1,211	1,215
	2012	1,795	1,204	1,187
Martinique	2009	848	*848	*844
	2010	864	*862	*861
	2011	864	*910	*909
	2012	864	*925	*924
Mexico	2009	76,808	70,789	70,053
	2010	76,808	66,094	66,005
	2011	76,808	66,292	65,503
	2012	76,808	66,589	65,931
Netherlands Antilles	2009	15,960	10,045	9,835
	2010	15,960	4,512	4,453
	2011	15,960	8,818	8,718
	2012	15,960	9,154	9,077
Nicaragua	2009	997	824	798
	2010	997	795	768
	2011	997	803	780
	2012	997	538	518
Trinidad and Tobago	2009	8,379	7,805	7,469
	2010	8,379	6,502	6,187
	2011	8,379	7,076	6,855
	2012	8,379	5,517	5,415
United States	2009	881,696	781,502	785,443
	2010	876,559	793,522	814,209
	2011	884,589	800,757	823,622
	2012	864,239	788,372	787,482

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
America, South	2009	253,726	237,586	230,165
	2010	255,195	235,176	227,067
	2011	253,876	239,955	232,582
	2012	254,490	241,830	237,972
Argentina	2009	31,276	28,797	28,307
	2010	31,276	31,353	29,324
	2011	31,472	29,993	29,192
	2012	31,472	31,223	31,128
Bolivia (Plur. State of)	2009	3,476	2,018	1,957
	2010	3,476	2,088	2,025
	2011	3,476	2,180	2,115
	2012	3,708	2,256	2,188
Brazil	2009	106,144	91,935	93,676
	2010	107,313	91,875	94,100
	2011	106,286	94,555	96,795
	2012	106,812	98,498	102,469
Chile	2009	11,312	11,522	10,023
	2010	11,312	9,566	8,668
	2011	11,312	10,583	8,891
	2012	11,312	10,398	9,022
Colombia	2009	15,960	14,560	12,996
	2010	*15,960	15,079	13,798
	2011	15,472	15,472	14,819
	2012	15,328	15,328	15,493
Ecuador	2009	8,778	8,785	7,825
	2010	8,778	7,782	6,834
	2011	8,778	8,808	7,779
	2012	8,778	8,630	7,474
Paraguay	2009	370	..	..
	2010	370	..	..
	2011	370	..	..
	2012	370	..	..
Peru	2009	9,623	11,073	10,810
	2010	9,923	12,014	11,626
	2011	9,923	11,856	11,484
	2012	9,923	10,857	10,515
Suriname	2009	349	390	405
	2010	349	759	835
	2011	349	813	898
	2012	349	829	918
Uruguay	2009	2,493	2,034	1,941
	2010	2,493	1,889	1,914
	2011	2,493	1,329	1,325
	2012	2,493	1,934	1,948
Venezuela(Bolivar. Rep.)	2009	63,945	66,471	62,225
	2010	63,945	62,771	57,943
	2011	63,945	64,366	59,283
	2012	63,945	61,878	56,817
Asia	2009	1,653,334	1,500,064	1,413,875
	2010	1,686,997	1,583,380	1,510,597
	2011	1,722,048	1,601,575	1,546,891
	2012	1,741,451	1,718,146	1,658,007

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Azerbaijan	2009	16,000	6,036	5,801
	2010	16,000	6,306	6,318
	2011	16,000	6,339	6,200
	2012	16,000	6,205	6,056
Bahrain	2009	14,000	12,872	12,844
	2010	14,000	13,316	13,258
	2011	12,660	12,914	12,857
	2012	12,660	13,315	13,505
Bangladesh	2009	1,646	945	895
	2010	1,646	1,294	1,309
	2011	1,646	1,416	1,388
	2012	1,646	1,279	1,238
Brunei Darussalam	2009	*1,000	676	644
	2010	*1,000	650	615
	2011	*1,000	627	573
	2012	*1,000	476	418
China	2009	339,451	371,094	332,694
	2010	339,451	418,694	402,647
	2011	342,443	432,502	416,262
	2012	352,419	514,345	494,856
Georgia	2009	*5,440	15	13
	2010	*5,440	0	0
	2011	*5,440	0	0
	2012	*5,440	0	0
India	2009	177,968	199,166	195,990
	2010	187,386	215,168	205,839
	2011	213,066	215,006	214,526
	2012	215,066	231,799	229,362
Indonesia	2009	52,410	49,998	37,615
	2010	52,410	49,469	33,182
	2011	57,711	49,853	45,130
	2012	57,711	47,666	44,942
Iran(Islamic Rep. of)	2009	73,567	97,865	87,636
	2010	86,893	97,743	86,908
	2011	88,441	100,913	88,522
	2012	83,899	103,982	91,413
Iraq	2009	40,112	21,900	22,131
	2010	44,674	25,747	25,684
	2011	40,898	27,796	27,667
	2012	41,397	29,146	28,649
Israel	2009	12,500	12,075	11,895
	2010	12,500	12,814	12,506
	2011	12,500	12,408	12,032
	2012	12,500	11,865	11,720
Japan	2009	230,608	182,479	178,963
	2010	235,905	180,415	178,127
	2011	235,905	170,761	169,027
	2012	237,201	170,471	168,694
Jordan	2009	*5,977	3,647	3,566
	2010	*5,977	3,441	3,375
	2011	*5,977	3,283	3,197
	2012	*5,977	3,650	3,514

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Kazakhstan	2009	17,212	*12,446	12,059
	2010	17,212	*14,012	13,505
	2011	17,212	*14,444	13,962
	2012	17,212	14,707	13,862
Korea, Dem.Ppl's.Rep.	2009	3,541	520	501
	2010	3,541	528	510
	2011	3,541	526	508
	2012	3,541	527	508
Korea, Republic of	2009	134,738	119,020	116,272
	2010	135,736	122,338	119,614
	2011	137,631	130,662	127,495
	2012	147,556	133,852	131,006
Kuwait	2009	46,683	42,873	41,449
	2010	46,683	44,007	42,733
	2011	46,683	42,014	40,974
	2012	46,683	45,273	42,128
Kyrgyzstan	2009	499	101	97
	2010	499	101	97
	2011	499	92	90
	2012	499	84	81
Malaysia	2009	*26,862	*25,567	25,161
	2010	*26,862	*22,080	21,424
	2011	26,862	23,943	23,040
	2012	26,862	26,720	25,114
Myanmar	2009	2,843	799	714
	2010	2,843	882	890
	2011	2,843	787	898
	2012	2,843	709	737
Oman	2009	11,072	10,265	10,249
	2010	11,072	8,433	8,087
	2011	11,072	10,266	10,255
	2012	11,072	10,116	10,236
Other Asia	2009	65,337	48,174	47,924
	2010	65,337	44,239	44,667
	2011	65,337	42,156	41,945
	2012	65,337	46,865	46,042
Pakistan	2009	13,190	9,868	9,622
	2010	13,150	9,774	9,502
	2011	13,080	9,191	8,936
	2012	*13,080	*10,746	*10,340
Philippines	2009	13,616	7,055	6,815
	2010	13,616	8,691	8,423
	2011	13,616	9,204	8,909
	2012	13,616	8,237	7,954
Qatar	2009	16,893	7,416	7,339
	2010	16,893	13,685	13,575
	2011	16,893	12,937	12,912
	2012	16,893	13,618	13,478
Saudi Arabia	2009	103,741	96,011	94,128
	2010	103,741	95,682	93,806
	2011	105,337	93,813	91,974
	2012	105,337	97,530	95,618

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Singapore	2009	67,681	*44,920	43,611
	2010	67,681	*50,753	49,945
	2011	67,681	*52,505	51,732
	2012	67,681	*52,490	52,611
Sri Lanka	2009	2,350	2,006	1,911
	2010	2,350	1,753	1,664
	2011	2,350	2,004	1,740
	2012	2,350	1,626	1,495
Syrian Arab Republic	2009	11,963	11,681	11,283
	2010	11,963	11,865	11,721
	2011	11,963	11,628	11,487
	2012	11,963	8,253	8,153
Tajikistan	2009	*100	22	33
	2010	*100	23	38
	2011	499	28	35
	2012	499	30	37
Thailand	2009	49,410	47,550	40,133
	2010	49,410	47,581	39,532
	2011	*49,410	46,679	39,148
	2012	*49,410	48,715	41,169
Turkey	2009	35,625	18,793	18,637
	2010	35,625	20,096	19,907
	2011	35,625	22,350	22,170
	2012	35,625	23,332	23,139
Turkmenistan	2009	11,819	7,763	7,530
	2010	11,819	8,732	8,470
	2011	11,819	8,433	8,180
	2012	11,819	8,036	7,795
United Arab Emirates	2009	22,431	18,691	18,324
	2010	22,431	20,170	19,774
	2011	23,257	21,953	21,523
	2012	23,506	21,735	21,309
Uzbekistan	2009	11,086	4,552	4,371
	2010	11,186	3,860	3,883
	2011	11,186	3,636	3,583
	2012	11,186	3,245	3,204
Viet Nam	2009	6,981	1,460	1,460
	2010	6,983	5,507	5,701
	2011	6,983	6,150	5,771
	2012	6,983	6,200	6,382
Yemen	2009	6,983	3,743	3,565
	2010	6,983	3,531	3,363
	2011	6,983	2,356	2,244
	2012	6,983	1,302	1,240
Europe	2009	1,164,936	965,379	944,955
	2010	1,151,763	961,157	946,319
	2011	1,142,036	961,731	940,922
	2012	1,136,202	963,221	934,021
Albania	2009	1,312	342	339
	2010	1,312	154	158
	2011	1,312	287	297
	2012	1,312	106	111

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Austria	2009	10,404	8,860	8,813
	2010	10,404	8,155	7,986
	2011	10,404	8,997	8,816
	2012	9,645	8,868	8,780
Belarus	2009	24,605	21,634	21,310
	2010	24,605	16,455	16,220
	2011	24,605	20,474	20,187
	2012	24,605	21,667	21,375
Belgium	2009	39,782	35,045	34,637
	2010	36,924	35,476	35,115
	2011	36,899	33,339	32,949
	2012	36,293	35,155	34,861
Bosnia and Herzegovina	2009	*1,320	1,083	1,040
	2010	*1,320	1,209	1,161
	2011	*1,320	1,313	1,260
	2012	11,970	1,119	1,079
Bulgaria	2009	5,748	6,468	6,395
	2010	5,748	6,119	5,970
	2011	5,748	6,171	5,999
	2012	5,748	6,614	6,425
Croatia	2009	12,485	4,860	4,831
	2010	12,485	4,267	4,231
	2011	12,485	3,613	3,591
	2012	12,485	3,727	3,707
Czech Republic	2009	9,127	7,733	7,657
	2010	9,127	8,251	8,174
	2011	9,127	7,510	7,417
	2012	9,127	7,662	7,587
Denmark	2009	8,698	7,805	7,523
	2010	8,698	7,246	6,985
	2011	8,698	6,817	6,557
	2012	8,698	7,639	7,428
Finland	2009	12,893	15,167	14,867
	2010	12,893	14,212	13,915
	2011	12,996	15,055	14,807
	2012	12,996	14,415	14,302
France	2009	98,936	78,960	78,298
	2010	91,961	72,582	71,906
	2011	85,725	72,837	72,226
	2012	87,153	61,906	61,397
Germany	2009	120,233	110,003	107,713
	2010	120,582	103,623	101,450
	2011	120,557	101,977	99,740
	2012	112,082	102,874	100,742
Greece	2009	21,097	21,507	21,293
	2010	21,097	22,223	22,197
	2011	21,097	19,355	19,253
	2012	21,097	23,917	23,890
Hungary	2009	8,030	7,658	7,550
	2010	8,030	8,536	8,475
	2011	8,030	8,264	8,234
	2012	8,030	7,862	7,818

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Ireland	2009	3,541	2,821	2,737
	2010	3,541	2,905	2,880
	2011	3,541	2,949	2,868
	2012	3,541	3,115	2,979
Italy	2009	116,570	87,103	86,478
	2010	116,570	90,795	90,131
	2011	116,570	86,065	85,642
	2012	109,488	82,020	81,598
Lithuania	2009	9,474	8,719	8,646
	2010	9,474	9,288	9,196
	2011	9,474	9,468	9,376
	2012	9,474	9,059	8,977
Netherlands	2009	60,135	58,230	57,349
	2010	60,280	58,710	58,334
	2011	59,679	58,286	57,212
	2012	59,585	57,543	56,877
Norway	2009	15,910	15,402	14,969
	2010	15,910	14,561	14,050
	2011	15,910	15,795	15,686
	2012	15,910	15,641	15,023
Poland	2009	24,586	22,524	22,007
	2010	24,586	24,348	23,563
	2011	24,586	25,738	24,851
	2012	24,586	26,767	25,700
Portugal	2009	15,171	11,314	11,314
	2010	15,171	11,914	11,912
	2011	15,171	10,820	10,820
	2012	15,171	11,494	11,493
Republic of Moldova	2009	..	17	21
	2010	..	11	21
	2011	..	12	19
	2012	..	10	18
Romania	2009	25,763	12,196	12,196
	2010	26,797	10,968	10,968
	2011	26,797	10,446	10,445
	2012	26,797	9,850	9,850
Russian Federation	2009	270,748	239,115	227,927
	2010	270,868	249,997	244,619
	2011	270,868	260,057	248,339
	2012	274,314	274,310	253,725
Serbia	2009	10,715	2,905	2,883
	2010	10,715	2,891	2,890
	2011	10,715	2,462	2,462
	2012	10,715	2,260	2,260
Slovakia	2009	5,736	6,381	6,355
	2010	5,736	6,118	6,087
	2011	5,736	6,690	6,662
	2012	5,736	5,907	5,877
Slovenia	2009	674	..	..
	2010	674	..	..
	2011	674	..	..
	2012	674	..	..

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Spain	2009	63,416	57,737	57,224
	2010	63,416	58,154	57,644
	2011	63,416	57,152	56,649
	2012	63,416	61,892	61,346
Sweden	2009	21,796	20,663	20,248
	2010	21,796	21,231	20,769
	2011	21,796	19,914	19,622
	2012	21,796	22,105	21,410
Switzerland	2009	6,584	4,861	4,816
	2010	6,584	4,546	4,513
	2011	3,591	4,441	4,407
	2012	3,591	3,454	3,424
T.F.Yug.Rep. Macedonia	2009	2,494	1,008	964
	2010	2,494	875	828
	2011	2,494	725	680
	2012	2,494	267	244
Ukraine	2009	43,878	12,032	11,662
	2010	43,878	11,787	11,103
	2011	43,878	9,641	9,353
	2012	43,878	5,073	4,968
United Kingdom	2009	93,076	75,226	74,893
	2010	88,088	73,550	72,868
	2011	88,138	75,061	74,496
	2012	83,795	68,923	68,751
Oceania	2009	43,104	37,600	37,196
	2010	44,721	37,053	36,140
	2011	44,870	38,915	37,983
	2012	44,895	38,384	36,173
Australia	2009	36,146	31,748	31,396
	2010	37,763	30,928	30,099
	2011	37,913	32,588	31,708
	2012	37,938	31,757	29,620
New Zealand	2009	5,337	5,037	5,037
	2010	5,337	5,170	5,151
	2011	5,337	5,372	5,370
	2012	5,337	5,577	5,577
Papua New Guinea	2009	1,621	815	763
	2010	1,621	955	890
	2011	1,621	955	905
	2012	1,621	1,050	976