

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, and xvi to xvii for the descriptions of relevant flows.

Figure 43: Refinery distillation capacity, throughput and output by region, 2016

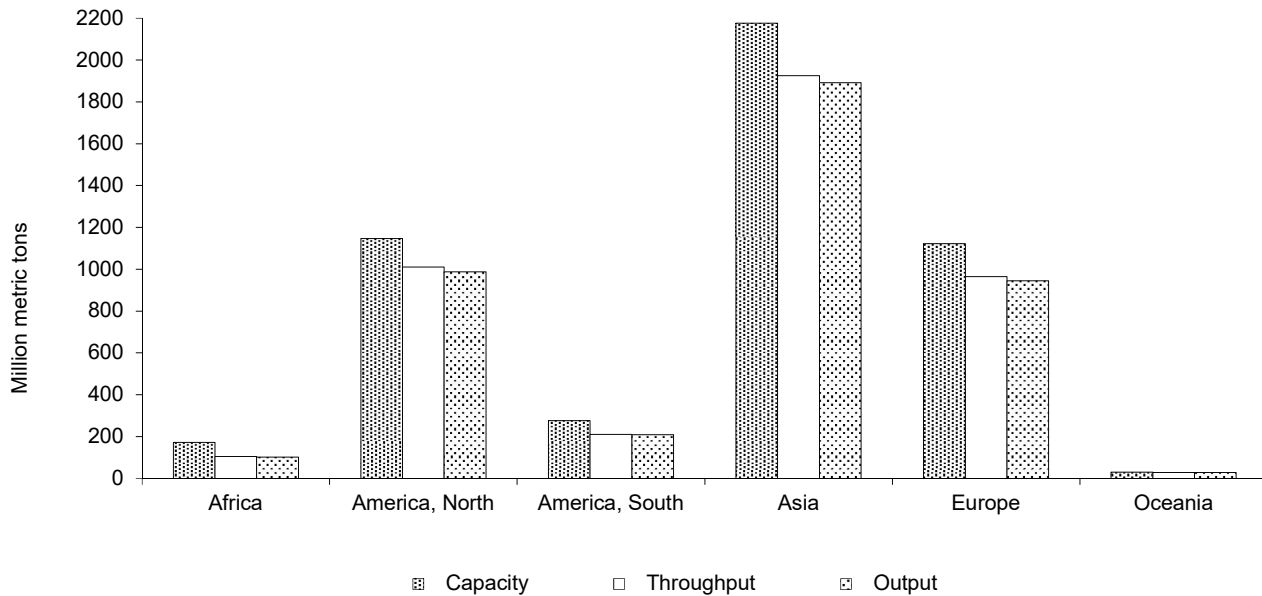


Figure 44: Total refinery distillation capacity by region, 1990-2016

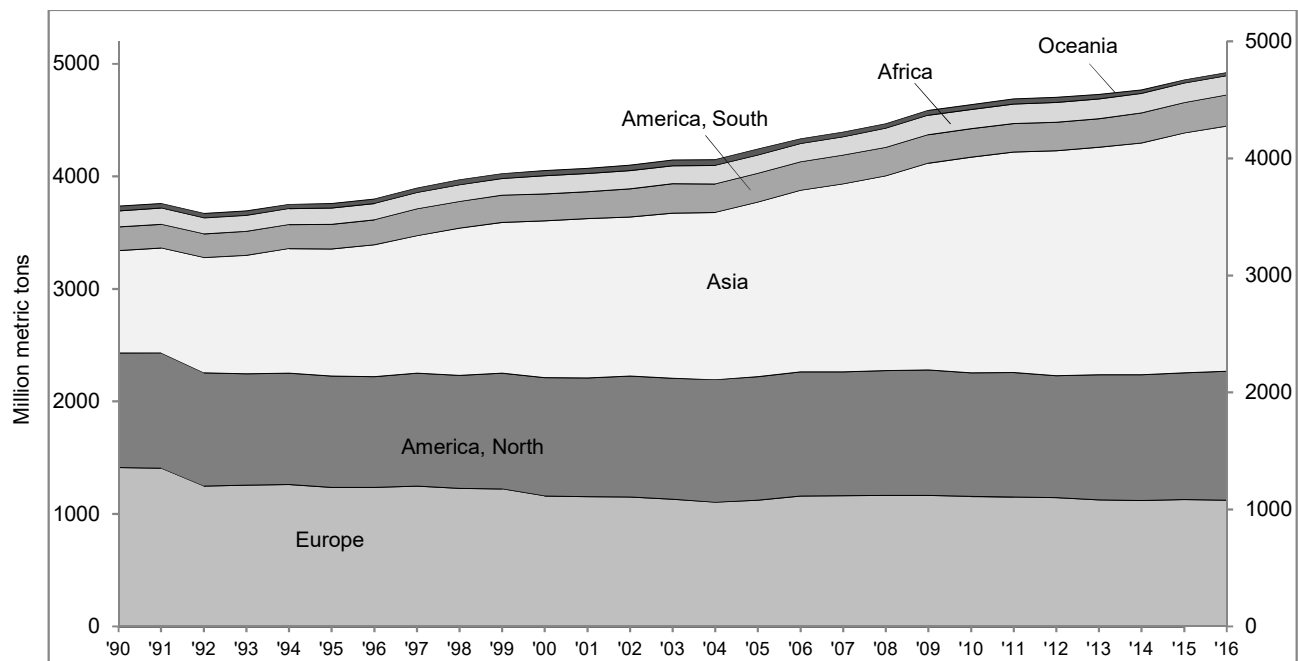


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2013	4,728,869	4,060,815	3,969,213
	2014	4,769,107	4,127,032	4,027,371
	2015	4,856,949	4,218,134	4,118,484
	2016	4,923,120	4,240,858	4,163,485
Africa	2013	175,775	112,496	107,551
	2014	172,984	111,937	107,556
	2015	175,007	103,435	100,380
	2016	171,580	103,952	101,693
Algeria	2013	32,459	24,326	23,978
	2014	32,459	31,108	31,033
	2015	32,459	29,903	29,713
	2016	32,459	29,355	29,437
Angola	2013	2,750	2,268	2,210
	2014	2,750	2,310	2,258
	2015	2,843	2,058	2,076
	2016	2,845	2,366	1,788
Cameroon	2013	*2,244	1,201	982
	2014	*2,993	1,688	1,380
	2015	*2,993	1,825	1,613
	2016	*3,500	1,805	1,596
Chad	2013	*998	*600	*581
	2014	*998	*800	*774
	2015	998	*700	*677
	2016	*998	*700	*677
Congo	2013	1,047	915	778
	2014	1,047	870	794
	2015	1,047	806	738
	2016	1,047	816	746
Côte d'Ivoire	2013	3,192	3,336	3,290
	2014	3,192	3,201	3,112
	2015	3,192	3,265	3,172
	2016	3,192	3,300	3,199
Egypt	2013	36,222	25,598	23,969
	2014	36,222	26,414	25,268
	2015	38,040	26,087	25,595
	2016	38,040	24,955	25,436
Gabon	2013	1,198	838	837
	2014	1,198	815	814
	2015	1,197	802	801
	2016	1,197	805	804
Ghana	2013	2,244	438	424
	2014	2,244	120	129
	2015	2,244	104	89
	2016	2,244	769	739
Kenya	2013	4,488	627	597
	2014	0	0	0
	2015	0	0	0
	2016	0	0	0
Libya	2013	18,852	10,794	10,479
	2014	18,853	4,940	4,797
	2015	18,953	4,368	4,239
	2016	18,953	4,063	3,956

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Mauritania	2013	948	..	..
	2014	998	..	..
	2015	998	..	..
	2016	*998	..	..
Morocco	2013	10,000	7,237	7,080
	2014	10,000	6,729	6,581
	2015	10,000	3,195	3,127
	2016	7,726	..	0
Niger	2013	*1,200	885	808
	2014	*1,200	818	725
	2015	*1,200	742	637
	2016	1,200	725	584
Nigeria	2013	22,195	5,195	5,238
	2014	22,195	3,470	3,336
	2015	22,195	1,708	1,610
	2016	21,135	3,385	3,401
Senegal	2013	1,248	862	764
	2014	1,248	726	654
	2015	1,248	1,160	1,012
	2016	1,248	1,231	1,124
Sierra Leone	2013	498	..	..
	2014	498	..	..
	2015	499	..	..
	2016	499	..	..
South Africa	2013	24,190	21,079	19,771
	2014	25,087	21,602	19,688
	2015	25,087	21,297	20,111
	2016	24,589	23,498	22,237
Sudan	2013	6,074	3,978	3,537
	2014	6,074	3,974	3,913
	2015	6,074	3,477	3,260
	2016	6,074	4,502	4,329
Tunisia	2013	1,800	1,692	1,640
	2014	1,800	1,651	1,641
	2015	1,800	1,315	1,305
	2016	1,696	1,194	1,185
United Rep. of Tanzania	2013	743	..	..
	2014	743	..	..
	2015	743	..	..
	2016	*743	..	..
Zambia	2013	1,185	627	589
	2014	1,185	701	659
	2015	1,197	623	605
	2016	1,197	484	455
America, North	2013	1,111,749	990,486	970,321
	2014	1,117,023	1,008,486	979,006
	2015	1,126,237	1,014,461	985,598
	2016	1,146,635	1,009,758	987,791
Aruba	2013	*11,463	0	0
	2014	*11,463	0	0
	2015	*11,463	0	0
	2016	*11,463	0	0

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Canada	2013	97,594	91,162	91,037
	2014	100,125	91,711	85,991
	2015	100,125	91,734	87,570
	2016	102,618	92,830	88,650
Cuba	2013	6,135	*5,256	5,138
	2014	6,135	*5,001	4,877
	2015	6,135	*4,730	4,526
	2016	6,135	*2,305	2,205
Curaçao	2013	15,971	9,314	9,044
	2014	15,971	9,952	9,574
	2015	15,960	9,481	9,062
	2016	16,708	8,539	8,216
Dominican Republic	2013	1,721	1,367	1,295
	2014	1,721	1,351	1,278
	2015	1,721	810	764
	2016	1,721	1,171	1,097
El Salvador	2013	1,097	0	0
	2014	1,097	0	0
	2015	1,097	0	0
	2016	1,097	..	0
Guatemala	2013	247	60	59
	2014	247	73	72
	2015	247	64	66
	2016	247	56	56
Jamaica	2013	1,795	1,096	1,171
	2014	1,795	903	963
	2015	1,795	1,218	1,194
	2016	1,795	1,224	1,072
Martinique	2013	864	*859	*788
	2014	864	*867	*773
	2015	864	*885	*790
	2016	864	*876	*781
Mexico	2013	76,808	70,403	64,969
	2014	76,808	69,604	61,799
	2015	76,808	63,749	56,815
	2016	76,808	51,609	50,634
Nicaragua	2013	997	717	690
	2014	997	713	686
	2015	995	792	722
	2016	995	685	651
Trinidad and Tobago	2013	8,379	6,817	6,613
	2014	8,379	5,397	5,276
	2015	8,379	6,464	6,273
	2016	8,379	7,663	7,398
United States	2013	888,678	803,435	789,518
	2014	891,421	822,914	807,716
	2015	900,648	834,534	817,816
	2016	917,805	842,800	827,031
America, South	2013	254,676	232,000	230,909
	2014	266,590	237,772	236,099
	2015	268,124	220,443	218,559
	2016	276,664	209,527	208,730

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Argentina	2013	31,472	30,377	28,044
	2014	30,483	30,557	30,072
	2015	31,621	31,205	30,665
	2016	31,621	30,041	29,488
Bolivia (Plur. State of)	2013	3,584	2,510	2,435
	2014	*3,584	2,718	2,636
	2015	3,394	2,943	2,855
	2016	*3,394	2,943	2,855
Brazil	2013	104,993	104,992	108,480
	2014	117,580	108,355	111,078
	2015	120,742	100,981	104,248
	2016	123,449	92,408	97,217
Chile	2013	11,312	10,373	9,378
	2014	11,628	10,361	9,617
	2015	11,628	10,085	9,685
	2016	10,972	9,934	9,429
Colombia	2013	17,456	14,533	14,965
	2014	*17,456	16,937	15,515
	2015	14,506	12,815	10,694
	2016	20,948	15,439	12,819
Ecuador	2013	8,778	7,687	7,188
	2014	8,778	6,912	6,521
	2015	8,728	6,672	6,314
	2016	8,723	8,134	7,695
Paraguay	2013	370	..	..
	2014	370	..	..
	2015	370	..	..
	2016	370	..	..
Peru	2013	9,923	8,796	8,945
	2014	9,923	9,056	9,065
	2015	9,923	8,590	8,030
	2016	9,923	8,792	8,372
Suriname	2013	349	380	379
	2014	349	199	200
	2015	748	396	396
	2016	750	518	517
Uruguay	2013	2,494	2,083	2,051
	2014	2,494	1,947	1,903
	2015	2,494	1,888	1,900
	2016	2,494	2,164	2,138
Venezuela (Bolivar. Rep.)	2013	63,945	50,269	49,043
	2014	63,945	50,729	49,492
	2015	63,970	44,867	43,773
	2016	64,020	39,154	38,199
Asia	2013	2,019,366	1,746,893	1,699,499
	2014	2,058,274	1,779,944	1,732,234
	2015	2,130,085	1,877,186	1,818,686
	2016	2,176,693	1,924,928	1,892,146
Azerbaijan	2013	16,000	6,571	6,375
	2014	16,000	6,770	6,536
	2015	10,000	6,485	6,387
	2016	10,000	6,000	5,830

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Bahrain	2013	12,964	13,468	13,312
	2014	12,965	12,785	13,360
	2015	12,964	13,349	13,446
	2016	12,968	12,854	13,003
Bangladesh	2013	1,646	1,383	1,347
	2014	1,646	1,231	1,216
	2015	1,502	1,294	1,247
	2016	1,502	1,268	1,174
Brunei Darussalam	2013	*1,000	564	485
	2014	*1,000	401	381
	2015	*1,000	493	468
	2016	*900	332	315
China	2013	*600,000	544,255	526,665
	2014	*633,420	582,289	564,104
	2015	*700,000	621,892	603,236
	2016	*748,130	621,529	633,757
Georgia	2013	*5,440	0	0
	2014	*5,440	0	0
	2015	*5,440	*14	12
	2016	*5,440	*119	*118
India	2013	216,597	232,407	227,580
	2014	215,066	232,765	231,555
	2015	230,066	241,175	243,139
	2016	233,966	253,745	253,122
Indonesia	2013	46,957	41,037	40,675
	2014	46,957	*40,223	38,293
	2015	46,957	39,388	36,947
	2016	46,957	47,145	37,793
Iran (Islamic Rep. of)	2013	85,596	92,478	93,062
	2014	88,890	89,133	90,427
	2015	94,813	85,812	86,097
	2016	89,255	87,369	85,388
Iraq	2013	41,397	29,782	29,343
	2014	43,690	24,524	23,931
	2015	25,935	20,556	19,694
	2016	26,434	22,325	20,404
Israel	2013	*14,000	14,230	14,360
	2014	*14,300	14,617	14,754
	2015	14,300	14,654	14,807
	2016	14,300	13,872	14,009
Japan	2013	220,593	173,552	171,631
	2014	222,775	164,490	162,009
	2015	195,347	164,295	162,762
	2016	195,347	165,436	163,416
Jordan	2013	4,509	3,284	3,146
	2014	4,509	3,282	3,075
	2015	4,509	3,346	3,183
	2016	4,509	2,928	2,764
Kazakhstan	2013	17,212	14,760	13,762
	2014	16,969	15,537	14,544
	2015	16,958	*14,610	13,358
	2016	16,958	*14,021	12,825

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Korea, Dem.Ppl's.Rep.	2013	3,541	580	561
	2014	3,541	532	515
	2015	3,541	532	515
	2016	3,541	532	515
Korea, Republic of	2013	147,556	128,952	126,256
	2014	148,055	131,507	128,633
	2015	147,581	144,693	139,689
	2016	*147,581	152,491	146,029
Kuwait	2013	46,683	43,767	41,381
	2014	46,683	42,546	41,633
	2015	46,683	43,591	42,178
	2016	46,683	40,315	37,834
Kyrgyzstan	2013	499	83	77
	2014	499	144	144
	2015	499	323	320
	2016	499	387	379
Malaysia	2013	26,862	25,784	24,086
	2014	26,862	25,526	23,519
	2015	26,862	23,772	23,684
	2016	26,862	26,596	24,704
Myanmar	2013	7,534	552	504
	2014	7,534	*530	521
	2015	7,534	*648	515
	2016	7,534	*491	411
Oman	2013	11,072	9,274	9,163
	2014	11,072	10,733	10,508
	2015	11,072	10,702	10,742
	2016	11,072	10,857	10,974
Other Asia	2013	65,382	44,661	43,913
	2014	65,382	44,726	43,275
	2015	65,337	44,083	43,243
	2016	65,337	45,434	43,471
Pakistan	2013	18,790	11,758	11,482
	2014	18,920	12,142	11,786
	2015	18,790	12,133	11,641
	2016	19,370	12,497	12,113
Philippines	2013	13,616	7,657	7,384
	2014	13,766	8,101	7,843
	2015	13,766	10,349	9,839
	2016	13,766	10,671	10,120
Qatar	2013	16,893	14,920	12,640
	2014	16,893	12,428	12,314
	2015	14,115	11,970	11,914
	2016	14,115	12,935	12,853
Saudi Arabia	2013	125,287	93,401	91,570
	2014	124,489	109,580	107,431
	2015	144,589	119,571	119,541
	2016	144,589	132,613	130,693
Singapore	2013	67,057	*53,659	49,222
	2014	67,057	*53,912	45,521
	2015	67,057	*54,878	44,437
	2016	67,057	*58,129	50,930

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Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Sri Lanka	2013	2,350	1,743	1,569
	2014	2,350	1,824	1,686
	2015	2,494	1,692	1,615
	2016	2,494	1,746	1,647
Syrian Arab Republic	2013	11,963	5,457	5,392
	2014	11,963	5,457	5,391
	2015	11,963	5,457	5,391
	2016	11,963	6,090	6,018
Tajikistan	2013	150	23	21
	2014	*150	25	20
	2015	*150	25	*22
	2016	150	25	24
Thailand	2013	62,419	59,814	57,026
	2014	62,419	56,902	54,407
	2015	62,418	61,539	58,895
	2016	61,571	61,267	58,277
Turkey	2013	35,625	24,207	23,995
	2014	33,067	22,032	21,876
	2015	33,067	29,412	29,234
	2016	33,067	29,751	29,605
Turkmenistan	2013	11,819	8,241	7,911
	2014	11,819	8,903	8,547
	2015	11,819	8,906	8,550
	2016	11,819	8,896	8,540
United Arab Emirates	2013	35,205	32,367	31,117
	2014	34,956	32,018	30,794
	2015	56,119	54,675	41,548
	2016	56,119	53,780	52,888
Uzbekistan	2013	11,186	3,075	3,058
	2014	11,186	2,897	2,864
	2015	7,880	2,812	2,771
	2016	*7,880	2,489	2,462
Viet Nam	2013	6,983	6,063	6,493
	2014	*9,000	*6,632	6,152
	2015	9,975	7,118	6,721
	2016	9,975	7,150	6,972
Yemen	2013	6,983	3,084	2,937
	2014	6,983	2,800	2,667
	2015	6,983	942	899
	2016	6,983	842	769
Europe	2013	1,126,723	941,858	924,283
	2014	1,120,314	954,058	938,864
	2015	1,128,235	971,687	964,470
	2016	1,122,286	964,138	944,797
Albania	2013	1,500	40	40
	2014	1,500	361	336
	2015	1,496	276	288
	2016	1,494	184	183
Austria	2013	10,169	8,999	8,917
	2014	10,169	8,977	8,904
	2015	10,169	9,261	9,148
	2016	9,661	8,662	8,565

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Belarus	2013	24,605	20,906	20,906
	2014	24,605	22,001	22,001
	2015	24,605	23,196	23,196
	2016	24,605	18,717	18,717
Belgium	2013	36,293	32,361	32,145
	2014	41,060	35,680	35,250
	2015	41,658	35,390	35,204
	2016	38,738	33,755	33,631
Bosnia and Herzegovina	2013	*11,970	1,036	965
	2014	*11,970	990	989
	2015	*11,970	914	919
	2016	*11,970	836	826
Bulgaria	2013	5,748	6,639	6,443
	2014	5,748	6,318	6,129
	2015	9,726	6,935	6,681
	2016	9,726	7,268	6,942
Croatia	2013	12,485	3,389	3,357
	2014	12,485	2,979	2,953
	2015	10,699	3,376	3,342
	2016	10,699	3,765	3,715
Czechia	2013	9,127	7,001	6,969
	2014	9,676	7,862	7,822
	2015	9,676	7,542	7,508
	2016	9,676	5,710	5,604
Denmark	2013	8,698	8,643	8,459
	2014	8,449	8,849	8,624
	2015	8,449	9,128	8,923
	2016	8,449	9,142	9,091
Finland	2013	12,996	14,837	14,782
	2014	12,996	14,327	14,169
	2015	12,996	12,985	12,824
	2016	12,996	14,570	14,332
France	2013	75,233	58,106	57,701
	2014	70,120	58,111	57,621
	2015	70,120	59,958	59,505
	2016	70,120	59,241	58,777
Germany	2013	112,082	100,062	97,921
	2014	109,122	98,953	96,755
	2015	109,122	101,403	99,200
	2016	109,176	102,772	100,381
Greece	2013	26,234	24,251	24,034
	2014	24,688	27,579	27,516
	2015	*24,688	28,507	28,427
	2016	*24,688	30,232	30,217
Hungary	2013	8,030	7,715	7,644
	2014	8,030	8,022	7,944
	2015	8,030	7,557	7,473
	2016	8,030	7,403	7,334
Ireland	2013	3,541	2,850	2,788
	2014	3,541	2,763	2,710
	2015	3,541	3,380	3,365
	2016	3,541	3,233	3,180

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Italy	2013	105,523	70,111	69,628
	2014	102,060	66,817	66,337
	2015	105,601	74,675	73,935
	2016	105,601	72,039	71,361
Lithuania	2013	10,220	9,584	9,486
	2014	10,220	8,036	7,943
	2015	9,476	9,018	8,920
	2016	9,476	9,914	9,790
Netherlands	2013	59,560	56,196	55,381
	2014	60,503	57,257	56,579
	2015	60,503	60,452	60,091
	2016	60,503	60,565	60,143
Norway	2013	15,910	17,241	16,328
	2014	15,910	15,321	14,744
	2015	15,910	17,111	16,428
	2016	15,910	13,284	13,014
Poland	2013	29,250	25,707	24,893
	2014	29,250	25,636	24,821
	2015	29,250	27,821	27,502
	2016	29,250	27,470	27,027
Portugal	2013	15,171	13,941	13,941
	2014	15,171	12,662	12,662
	2015	15,171	15,092	15,092
	2016	15,171	15,099	15,099
Republic of Moldova	2013	*19	20	19
	2014	*19	18	18
	2015	19	11	11
	2016	19	16	16
Romania	2013	23,032	10,122	10,122
	2014	23,032	11,666	11,666
	2015	18,968	11,530	11,530
	2016	18,824	12,194	12,194
Russian Federation	2013	*280,000	278,600	269,348
	2014	*280,000	292,845	286,505
	2015	287,200	282,140	282,886
	2016	*287,200	285,260	273,944
Serbia	2013	10,715	3,111	3,111
	2014	10,715	3,132	3,110
	2015	10,715	3,402	3,382
	2016	10,715	3,456	3,435
Slovakia	2013	5,736	6,572	6,552
	2014	5,736	5,745	5,725
	2015	5,736	6,487	6,437
	2016	5,736	6,274	6,214
Slovenia	2013	674	..	..
	2014	674	..	..
	2015	673	..	..
	2016	673	..	..
Spain	2013	64,414	61,037	60,501
	2014	71,197	61,169	60,290
	2015	71,197	65,663	64,967
	2016	71,197	65,696	64,893

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Sweden	2013	21,796	18,138	17,584
	2014	21,796	20,280	19,799
	2015	21,796	21,214	20,667
	2016	21,796	21,085	20,411
Switzerland	2013	3,591	4,933	4,914
	2014	3,591	4,964	4,940
	2015	3,392	2,874	2,837
	2016	3,392	3,007	3,005
T.F.Yug.Rep. Macedonia	2013	2,494	80	78
	2014	2,494	1	1
	2015	2,494	0	0
	2016	..	0	0
Ukraine	2013	43,878	3,944	4,018
	2014	43,878	3,210	3,323
	2015	43,878	2,949	2,849
	2016	43,944	2,889	2,851
United Kingdom	2013	76,029	65,687	65,308
	2014	69,910	61,527	60,678
	2015	69,312	61,440	60,933
	2016	69,312	60,400	59,905
Oceania	2013	40,581	37,081	36,650
	2014	33,923	34,835	33,612
	2015	29,262	30,923	30,790
	2016	29,262	28,555	28,328
Australia	2013	33,623	30,395	30,038
	2014	26,990	28,557	27,441
	2015	22,329	24,680	24,547
	2016	22,329	21,626	21,437
New Zealand	2013	5,337	5,363	5,342
	2014	5,337	5,238	5,208
	2015	5,337	5,635	5,612
	2016	5,337	5,522	5,522
Papua New Guinea	2013	1,621	1,323	1,270
	2014	1,596	1,040	963
	2015	1,596	608	631
	2016	1,596	1,407	1,369