

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, 2020

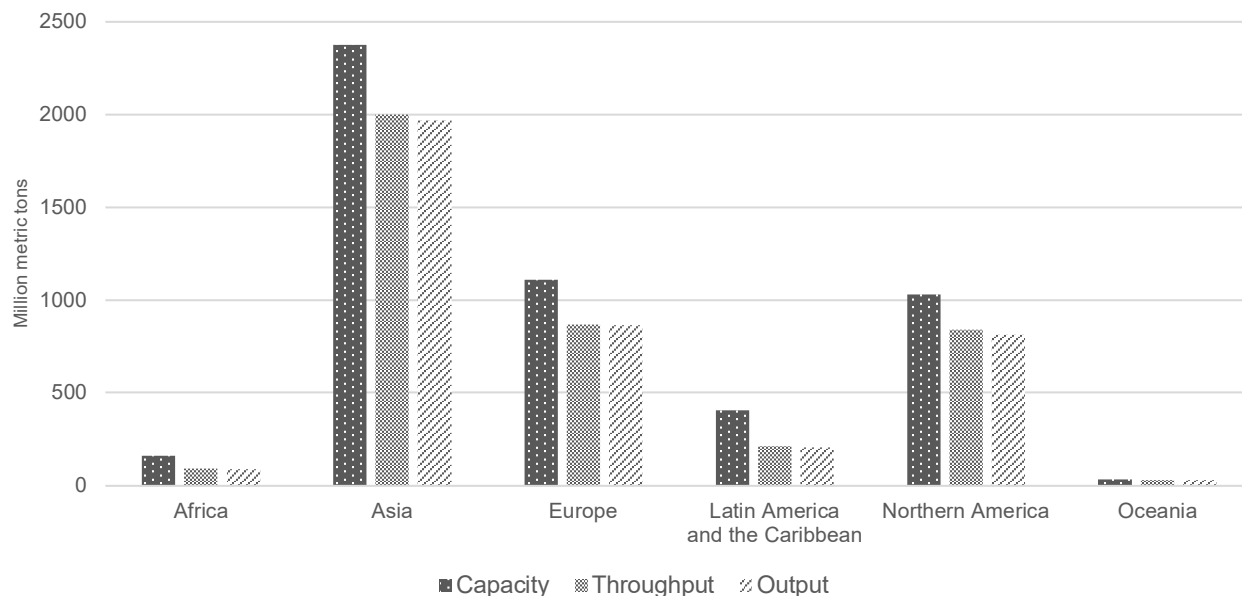


Figure 44: Total refinery distillation capacity by region, 1990-2020

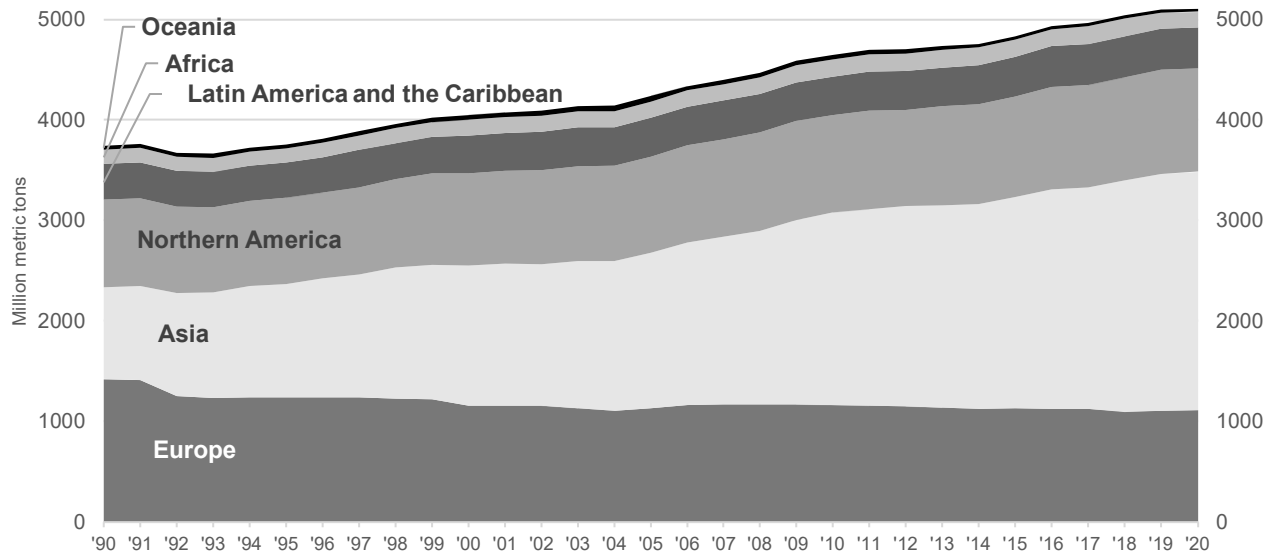


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2017	4,966,388	4,347,718	4,253,054
	2018	5,041,603	4,388,316	4,308,604
	2019	5,098,907	4,376,826	4,303,586
	2020	5,111,019	4,033,455	3,963,121
Africa	2017	181,235	100,461	95,454
	2018	182,182	103,565	98,631
	2019	161,752	100,086	97,688
	2020	158,390	90,492	86,060
Algeria	2017	32,459	28,513	28,317
	2018	32,858	30,784	29,914
	2019	32,858	28,628	28,298
	2020	32,858	28,943	27,815
Angola	2017	4,005	2,577	2,556
	2018	4,005	1,852	1,858
	2019	4,005	2,520	2,519
	2020	4,005	2,286	1,828
Cameroon	2017	2,100	1,485	1,313
	2018	2,100	1,346	1,191
	2019	2,100	696	616
	2020	0	..	..
Chad	2017	*998	674	*656
	2018	*998	700	*656
	2019	*998	700	*677
	2020	*998	*700	*657
Congo	2017	1,047	838	716
	2018	1,047	851	725
	2019	1,047	860	735
	2020	1,047	831	713
Côte d'Ivoire	2017	3,192	3,296	*3,064
	2018	*3,740	3,433	3,366
	2019	*3,740	3,738	3,711
	2020	3,800	3,427	3,329
Egypt	2017	38,040	27,107	23,888
	2018	38,040	26,328	26,083
	2019	39,133	28,489	28,310
	2020	39,133	31,448	29,692
Gabon	2017	*1,197	811	793
	2018	*1,197	699	683
	2019	1,197	595	582
	2020	1,247	831	818
Ghana	2017	2,244	24	19
	2018	*2,244	405	310
	2019	2,244	619	624
	2020	2,244	506	496
Libya	2017	18,953	4,835	4,793
	2018	18,953	5,647	5,598
	2019	*18,953	4,350	4,259
	2020	*18,953	1,759	1,722
Morocco	2017	7,725	..	..
	2018	7,725	..	..
	2019	7,716	..	..
	2020	7,716	..	..

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Niger	2017	*1,200	931	814
	2018	*1,200	818	763
	2019	*1,200	755	634
	2020	*1,200	*857	645
Nigeria	2017	22,195	4,722	4,379
	2018	*22,195	2,744	2,389
	2019	10,743	588	528
	2020	10,471	0	0
Senegal	2017	1,248	1,319	1,202
	2018	1,248	1,051	981
	2019	1,248	1,024	886
	2020	1,248	821	757
Sierra Leone	2017	499	..	..
	2018	*499	..	..
	2019	*499	..	..
	2020	*499	..	..
South Africa	2017	35,062	17,998	17,918
	2018	*35,062	21,704	19,125
	2019	*25,000	22,141	21,120
	2020	*23,900	13,112	12,803
Sudan	2017	6,074	*3,799	3,609
	2018	6,074	*3,495	3,320
	2019	*6,074	*3,540	*3,390
	2020	*6,074	*3,484	*3,331
Tunisia	2017	1,800	912	848
	2018	1,800	1,062	1,074
	2019	1,800	142	141
	2020	*1,800	1,114	1,108
Zambia	2017	1,197	620	569
	2018	1,197	647	595
	2019	1,197	700	658
	2020	*1,197	372	344
Asia	2017	2,207,066	2,007,506	1,968,973
	2018	2,301,337	2,060,799	2,027,183
	2019	2,359,458	2,080,478	2,046,481
	2020	2,374,088	1,999,823	1,967,003
Afghanistan	2017	150	*117	*112
	2018	*185	*185	*176
	2019	*185	*119	*112
	2020	*185	*51	*46
Azerbaijan	2017	5,985	5,878	5,559
	2018	*5,985	6,091	5,963
	2019	*5,985	6,194	6,041
	2020	*5,985	5,931	5,795
Bahrain	2017	12,968	13,182	13,303
	2018	12,968	12,940	13,227
	2019	13,314	13,149	13,386
	2020	13,314	11,093	11,200
Bangladesh	2017	1,502	1,621	1,432
	2018	1,920	1,439	1,249
	2019	1,920	1,576	1,408
	2020	1,920	1,125	1,057

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Brunei Darussalam	2017	900	285	232
	2018	900	358	320
	2019	*8,734	1,879	1,330
	2020	*8,734	8,441	8,137
China	2017	*790,000	671,438	675,125
	2018	*835,611	713,743	711,792
	2019	*860,000	766,235	763,910
	2020	*860,000	812,744	808,477
Georgia	2017	*5,440	25	24
	2018	*5,440	24	22
	2019	*5,440	38	37
	2020	*5,440	37	37
India	2017	247,566	262,114	260,900
	2018	249,366	267,061	273,711
	2019	249,866	*263,999	263,195
	2020	249,866	*230,431	231,656
Indonesia	2017	46,957	44,402	38,923
	2018	58,210	42,375	38,887
	2019	58,309	*48,174	42,353
	2020	59,202	47,632	40,742
Iran (Islamic Rep. of)	2017	92,347	89,736	87,782
	2018	104,314	89,466	87,516
	2019	109,776	89,349	88,203
	2020	109,902	82,816	82,221
Iraq	2017	26,421	26,640	24,090
	2018	40,648	30,129	28,267
	2019	41,087	31,956	29,738
	2020	55,700	27,182	25,838
Israel	2017	15,225	14,088	14,088
	2018	15,225	14,782	14,782
	2019	*15,225	15,268	15,268
	2020	*15,225	12,832	12,832
Japan	2017	175,960	161,081	157,198
	2018	175,511	154,243	150,956
	2019	172,459	150,937	147,427
	2020	172,459	122,547	121,298
Jordan	2017	*4,509	2,779	2,671
	2018	*4,509	2,356	2,264
	2019	*4,509	2,403	2,140
	2020	*4,509	*1,880	1,786
Kazakhstan	2017	16,958	*14,523	13,619
	2018	16,958	16,257	14,617
	2019	21,446	17,070	15,910
	2020	*15,785	15,801	14,925
Korea, Dem.Ppl's.Rep.	2017	3,494	532	515
	2018	3,494	532	515
	2019	3,494	532	515
	2020	*3,494	532	515
Korea, Republic of	2017	154,826	161,936	153,142
	2018	159,762	165,075	158,099
	2019	159,762	163,247	157,811
	2020	159,762	152,301	147,105

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Kuwait	2017	39,202	33,813	32,150
	2018	36,708	35,101	32,450
	2019	39,900	31,400	30,906
	2020	36,835	28,919	26,138
Kyrgyzstan	2017	*800	445	431
	2018	*800	549	544
	2019	800	322	318
	2020	800	180	162
Malaysia	2017	26,862	26,333	26,501
	2018	26,862	24,727	24,093
	2019	26,862	23,399	22,506
	2020	*26,862	23,398	21,630
Myanmar	2017	2,545	*410	406
	2018	2,545	258	247
	2019	*2,545	213	207
	2020	2,545	238	237
Oman	2017	15,112	10,523	9,625
	2018	15,112	12,910	12,141
	2019	*15,112	13,028	12,031
	2020	*15,112	11,309	10,451
Other Asia	2017	56,898	44,364	44,406
	2018	56,898	46,511	46,752
	2019	56,898	46,560	46,305
	2020	54,946	38,056	38,920
Pakistan	2017	19,950	*14,440	13,751
	2018	20,818	13,856	13,472
	2019	20,798	12,504	11,939
	2020	20,798	9,845	9,872
Philippines	2017	*13,766	10,380	9,847
	2018	*13,766	11,743	11,110
	2019	*13,766	8,129	7,735
	2020	*13,766	4,729	4,525
Qatar	2017	21,446	15,943	15,883
	2018	21,446	15,947	15,867
	2019	21,446	16,239	16,047
	2020	21,446	14,863	14,572
Saudi Arabia	2017	142,475	150,891	148,540
	2018	140,960	149,454	146,532
	2019	144,404	*126,366	125,274
	2020	146,350	116,998	115,982
Singapore	2017	67,057	54,108	53,684
	2018	67,057	53,541	49,002
	2019	67,057	50,147	50,315
	2020	67,057	45,600	42,417
Sri Lanka	2017	2,494	1,646	1,642
	2018	2,494	1,703	1,629
	2019	2,494	1,865	1,825
	2020	2,494	1,715	1,669
Syrian Arab Republic	2017	11,963	6,494	6,418
	2018	11,963	8,191	8,096
	2019	11,963	7,035	6,953
	2020	11,963	6,421	6,346

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Tajikistan	2017	150	24	23
	2018	*150	45	46
	2019	150	33	30
	2020	150	35	16
Thailand	2017	61,571	62,657	60,098
	2018	61,571	62,698	61,335
	2019	61,571	56,796	56,394
	2020	62,070	55,643	57,279
Türkiye	2017	*33,067	32,071	31,940
	2018	*33,067	28,498	28,227
	2019	*44,067	37,430	37,005
	2020	*44,067	35,657	35,315
Turkmenistan	2017	13,017	8,881	8,526
	2018	13,017	8,923	8,566
	2019	13,017	8,861	8,507
	2020	*13,017	8,849	8,313
United Arab Emirates	2017	56,119	53,299	46,361
	2018	56,210	51,926	48,737
	2019	56,210	48,511	45,284
	2020	63,441	43,633	40,054
Uzbekistan	2017	*7,880	3,971	3,609
	2018	5,420	4,207	3,847
	2019	5,420	3,808	3,611
	2020	5,420	3,616	3,368
Viet Nam	2017	6,500	6,128	6,122
	2018	16,484	11,047	10,301
	2019	*16,484	13,938	12,815
	2020	*16,484	15,508	14,888
Yemen	2017	*6,983	309	295
	2018	*6,983	1,910	1,826
	2019	*6,983	1,769	1,690
	2020	*6,983	1,235	1,180
Europe	2017	1,119,656	984,939	969,768
	2018	1,096,597	974,373	966,237
	2019	1,102,318	961,144	962,571
	2020	1,110,600	866,450	865,117
Albania	2017	1,494	513	503
	2018	1,494	298	291
	2019	1,494	335	323
	2020	1,494	134	131
Austria	2017	9,576	8,653	8,496
	2018	9,576	9,281	9,165
	2019	9,576	9,642	9,530
	2020	9,576	8,519	8,438
Belarus	2017	24,605	18,743	18,451
	2018	27,082	19,040	18,752
	2019	27,082	17,870	17,607
	2020	*24,000	16,312	16,083
Belgium	2017	38,703	35,510	35,283
	2018	*38,703	34,344	34,070
	2019	*38,703	35,478	35,152
	2020	*38,703	27,659	27,511

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Bosnia and Herzegovina	2017	*11,970	878	862
	2018	*11,970	697	704
	2019	*11,970	83	74
	2020	*11,970	13	13
Bulgaria	2017	*9,726	7,588	7,142
	2018	*9,726	6,486	6,189
	2019	*9,726	7,347	6,968
	2020	*9,726	5,315	5,061
Croatia	2017	*10,699	3,947	3,882
	2018	9,000	3,979	3,929
	2019	8,300	2,933	2,908
	2020	8,300	2,615	2,560
Czechia	2017	*9,676	8,250	8,183
	2018	*9,676	7,864	7,848
	2019	*9,676	8,161	8,089
	2020	8,728	6,361	6,341
Denmark	2017	9,027	8,796	8,759
	2018	*9,027	9,114	9,095
	2019	*9,027	8,653	8,635
	2020	*8,900	8,193	8,176
Finland	2017	13,017	14,886	14,727
	2018	13,017	14,877	14,866
	2019	13,017	14,927	14,808
	2020	13,017	13,681	13,668
France	2017	70,124	59,828	59,348
	2018	70,124	56,115	55,639
	2019	70,124	51,216	50,842
	2020	70,124	37,158	36,896
Germany	2017	104,400	103,934	101,529
	2018	*104,400	99,453	97,088
	2019	*104,400	99,884	97,682
	2020	*104,400	95,400	93,170
Greece	2017	*26,234	31,777	31,766
	2018	*26,234	32,785	32,771
	2019	*26,234	30,138	30,133
	2020	*26,234	28,795	28,766
Hungary	2017	8,100	7,220	7,146
	2018	8,229	7,737	7,658
	2019	8,229	7,476	7,398
	2020	8,229	7,363	7,292
Ireland	2017	3,741	3,190	3,184
	2018	3,741	3,061	3,057
	2019	3,741	2,767	2,742
	2020	3,741	2,892	2,892
Italy	2017	100,904	75,646	74,946
	2018	100,904	72,400	71,741
	2019	100,900	74,242	73,437
	2020	100,900	60,871	60,231
Lithuania	2017	*10,220	10,128	10,021
	2018	10,220	9,891	9,782
	2019	10,220	9,720	9,605
	2020	10,220	8,000	7,905

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Netherlands	2017	65,835	60,004	59,664
	2018	65,835	61,097	60,920
	2019	*64,374	62,099	61,855
	2020	61,300	55,646	55,352
North Macedonia	2017	2,494	0	0
	2018	2,494	..	..
	2019	2,494	..	..
	2020	2,494	..	..
Norway	2017	17,955	17,030	17,294
	2018	*17,955	17,926	17,698
	2019	*17,955	16,094	15,865
	2020	*17,955	14,735	14,579
Poland	2017	29,250	27,220	26,694
	2018	29,250	28,858	28,226
	2019	29,250	28,983	28,457
	2020	27,724	27,417	26,988
Portugal	2017	16,459	15,478	15,478
	2018	16,459	14,115	14,063
	2019	16,459	12,813	12,762
	2020	16,459	11,959	11,908
Republic of Moldova	2017	19	15	15
	2018	19	10	10
	2019	19	6	5
	2020	19	6	7
Romania	2017	18,853	12,484	12,462
	2018	*18,853	12,595	12,584
	2019	*18,853	13,337	13,327
	2020	*18,853	11,737	11,728
Russian Federation	2017	287,200	289,136	281,548
	2018	*287,200	286,135	285,776
	2019	*287,200	286,916	297,661
	2020	*304,239	274,181	280,926
Serbia	2017	10,715	3,659	3,638
	2018	*10,715	3,880	3,858
	2019	*10,715	3,514	3,495
	2020	*10,715	3,627	3,607
Slovakia	2017	*5,736	6,150	6,119
	2018	*5,736	5,950	5,930
	2019	*5,736	5,602	5,580
	2020	5,736	6,069	6,045
Slovenia	2017	673	..	..
	2018	673	..	..
	2019	673	..	..
	2020	673	..	..
Spain	2017	71,197	66,825	65,766
	2018	71,197	68,717	67,599
	2019	*79,083	66,539	65,221
	2020	*79,083	56,618	55,673
Sweden	2017	*21,796	20,703	21,132
	2018	*21,796	21,994	21,649
	2019	*21,796	18,933	18,078
	2020	*21,796	19,963	19,720

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Switzerland	2017	3,392	2,895	2,877
	2018	3,392	3,070	3,069
	2019	*3,392	2,781	2,763
	2020	*3,392	2,864	2,881
Ukraine	2017	43,566	3,584	3,050
	2018	*19,600	3,890	4,008
	2019	*19,600	3,707	*2,843
	2020	*19,600	4,103	*2,693
United Kingdom	2017	*62,300	60,270	59,805
	2018	*62,300	58,715	58,205
	2019	*62,300	58,949	58,726
	2020	*62,300	48,245	47,876
Latin America & Carib.	2017	406,495	268,192	260,409
	2018	407,855	246,550	242,275
	2019	409,172	233,665	225,044
	2020	406,419	210,373	205,463
Argentina	2017	31,621	25,559	25,741
	2018	31,621	24,082	24,053
	2019	31,621	24,379	24,127
	2020	31,621	21,434	22,811
Aruba	2017	*11,463	..	..
	2018	*11,463	..	..
	2019	*11,463	..	..
	2020	*11,463	..	..
Bolivia (Plur. State of)	2017	3,394	2,685	2,439
	2018	3,394	2,551	2,326
	2019	3,394	2,223	2,020
	2020	3,341	2,089	1,964
Brazil	2017	123,309	93,719	93,083
	2018	123,122	90,953	91,463
	2019	123,396	91,799	91,193
	2020	123,309	96,861	94,945
Chile	2017	11,471	9,934	9,648
	2018	*11,471	10,307	9,727
	2019	11,521	10,978	10,245
	2020	11,521	8,478	8,507
Colombia	2017	20,948	18,861	17,180
	2018	21,220	19,923	19,408
	2019	21,496	19,840	19,254
	2020	18,883	18,099	15,588
Cuba	2017	6,135	*2,763	2,632
	2018	6,135	*2,888	2,751
	2019	*6,135	*1,883	1,789
	2020	*6,135	*2,300	2,185
Curaçao	2017	16,708	4,598	4,295
	2018	*16,708	3,433	3,060
	2019	*16,708	0	0
	2020	*16,708	..	..
Dominican Republic	2017	1,721	955	899
	2018	1,721	1,279	1,208
	2019	2,486	1,283	1,156
	2020	2,486	498	462

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Ecuador	2017	8,786	8,359	7,751
	2018	8,865	8,571	8,136
	2019	8,865	7,794	7,158
	2020	8,865	6,410	5,949
Guatemala	2017	247	88	85
	2018	*249	*151	147
	2019	*250	*210	203
	2020	*250	*165	175
Jamaica	2017	1,796	1,115	1,048
	2018	1,796	1,035	1,032
	2019	1,747	1,240	1,240
	2020	1,747	1,007	1,099
Mexico	2017	81,147	45,496	44,357
	2018	81,796	34,035	33,417
	2019	81,796	33,668	32,418
	2020	81,796	33,103	32,316
Nicaragua	2017	998	701	692
	2018	998	*678	639
	2019	*998	547	518
	2020	*998	546	516
Paraguay	2017	370	..	..
	2018	370	..	..
	2019	370	..	..
	2020	370	..	..
Peru	2017	9,923	9,595	8,370
	2018	10,468	9,285	8,012
	2019	10,468	8,869	7,581
	2020	10,468	4,686	4,660
Suriname	2017	748	737	685
	2018	748	725	671
	2019	748	690	637
	2020	748	656	618
Trinidad and Tobago	2017	8,379	6,740	6,387
	2018	*8,379	5,373	5,032
	2019	*8,379	..	..
	2020	*8,379	..	..
Uruguay	2017	2,494	585	557
	2018	2,494	2,165	2,073
	2019	2,494	2,054	1,991
	2020	2,494	1,897	1,845
Venezuela (Bolivar. Rep.)	2017	64,838	35,702	34,559
	2018	64,838	29,117	29,120
	2019	64,838	26,208	23,514
	2020	64,838	12,143	11,823
Northern America	2017	1,021,277	957,068	930,594
	2018	1,022,948	972,174	945,712
	2019	1,035,189	970,178	940,999
	2020	1,029,476	838,714	812,272
Canada	2017	95,342	97,848	92,827
	2018	95,342	95,716	89,859
	2019	97,134	113,743	108,474
	2020	98,703	102,061	97,925

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
United States	2017	925,935	859,220	837,767
	2018	927,606	876,458	855,853
	2019	938,055	856,434	832,525
	2020	930,773	736,653	714,347
Oceania	2017	30,658	29,552	27,855
	2018	30,683	30,857	28,567
	2019	31,017	31,276	30,802
	2020	32,045	27,603	27,207
Australia	2017	22,329	22,604	21,135
	2018	22,354	24,065	22,070
	2019	22,688	24,000	23,680
	2020	23,711	21,495	21,217
New Zealand	2017	6,733	5,527	5,343
	2018	6,733	5,532	5,330
	2019	6,733	5,956	6,053
	2020	6,738	4,637	4,637
Papua New Guinea	2017	*1,596	1,421	1,378
	2018	*1,596	1,260	1,167
	2019	*1,596	1,320	1,069
	2020	*1,596	1,472	1,352