

Production of natural gas liquids – by end use

Thousand metric tons

Table Notes

Production refers to production of natural gas liquids.

End-use products refers to the output of natural gas liquids plants, arranged by product.

Net imports refers to imports minus exports.

Inputs of NGLs to refineries refers to quantities of natural gas liquids that are transformed in oil refineries. Data may not add up due to statistical differences or the presence of other natural gas liquid flows such as stock changes, transfers or energy industries own use.

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 66: Production of natural gas liquids by region, 1990-2019

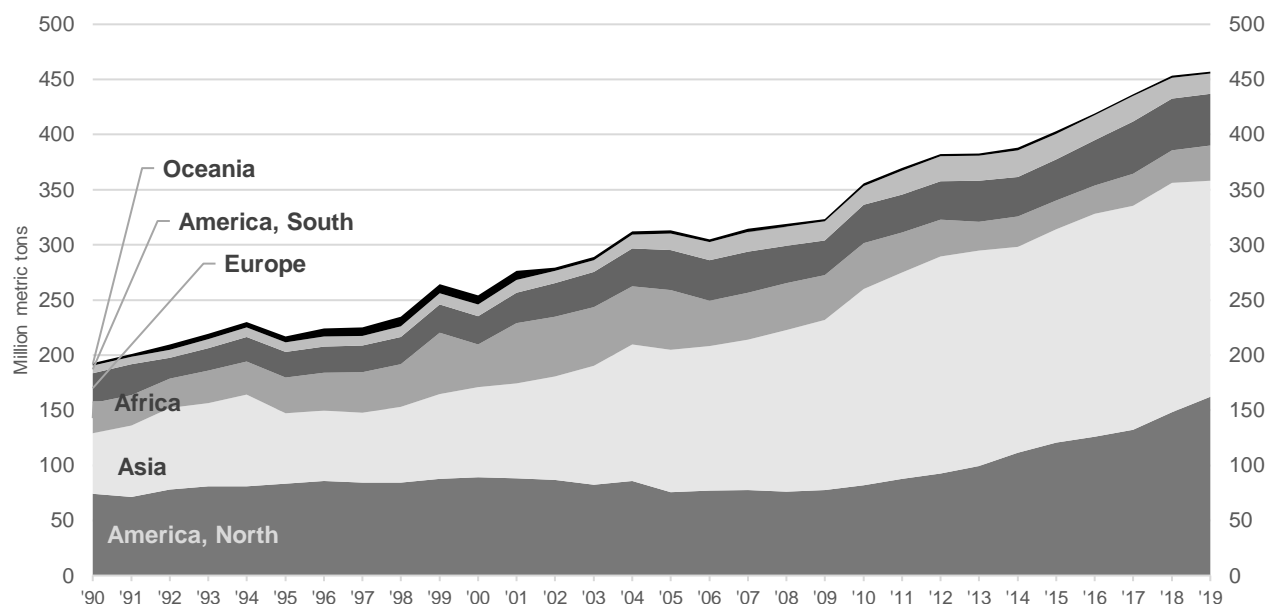


Figure 67: Production of natural gas liquids by end-use product, 2019

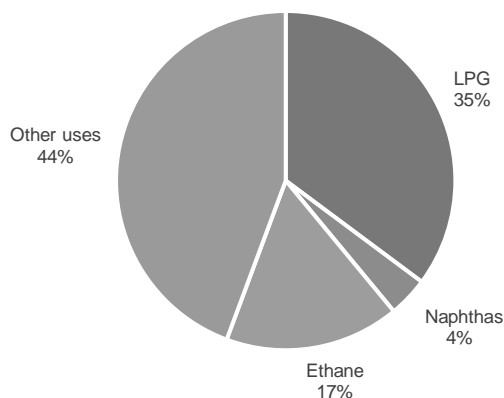


Table 26

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
World	2016	419,291	145,093	8,913	61,420	8,266	-60,210	111,832
	2017	436,602	150,534	5,976	65,801	8,735	-58,154	119,746
	2018	453,362	153,188	6,425	73,230	7,372	-71,222	118,036
	2019	457,064	160,811	17,452	76,160	7,727	-79,661	111,630
Africa	2016	25,907	11,162	183	0	..	-10,204	4,157
	2017	29,328	11,764	219	..	..	-13,003	4,900
	2018	29,135	11,516	231	..	..	-13,807	4,662
	2019	31,675	11,478	232	..	..	-16,611	3,738
Algeria	2016	17,924	8,593	101	0	..	-5,209	4,097
	2017	17,744	8,412	113	..	..	-4,200	4,813
	2018	17,220	8,314	81	..	..	-4,290	4,574
	2019	16,517	8,259	107	..	..	-4,374	3,650
Angola	2016	904	225	..	..	..	-810	..
	2017	3,962	941	..	..	..	-3,803	..
	2018	4,091	822	..	..	..	-4,341	..
	2019	4,478	1,057	..	..	..	-4,282	..
Cameroon	2016	..	..	..	..	..	..	..
	2017	..	..	..	..	..	..	..
	2018	16	..	..	..	..	..	..
	2019	24	..	..	..	..	..	..
Congo	2016	301	..	..	..	..	-280	21
	2017	301	..	..	..	..	-276	24
	2018	301	..	..	..	..	-276	25
	2019	301	..	..	..	..	-276	25
Côte d'Ivoire	2016	6	6	..	..	..	..	..
	2017	6	6	..	..	..	..	..
	2018	5	5	..	..	..	..	..
	2019	6	6	..	..	..	..	..
Egypt	2016	1,312	1,312	..	..	..	..	..
	2017	1,230	1,230	..	..	..	..	..
	2018	1,299	1,299	..	..	..	..	..
	2019	1,193	1,193	..	..	..	..	..
Equatorial Guinea	2016	605	605	..	..	..	..	..
	2017	660	660	..	..	..	..	..
	2018	587	587	..	..	..	..	..
	2019	512	512	..	..	..	..	..
Ghana	2016	..	..	..	..	..	..	..
	2017	114	114	..	..	..	..	..
	2018	80	80	..	..	..	..	..
	2019	66	66	..	..	..	..	..
Libya	2016	1,832	281	82	..	..	-1,469	..
	2017	2,476	277	106	..	..	-2,093	..
	2018	2,870	292	150	..	..	-2,428	..
	2019	3,423	284	125	..	..	-3,014	..
Mozambique	2016	..	..	..	..	..	..	..
	2017	9	..	..	..	..	-9	..
	2018	8	..	..	..	..	-8	..
	2019	7	-7	..
Nigeria	2016	2,747	-2,366	..
	2017	2,557	-2,553	..
	2018	2,424	-2,413	..
	2019	4,943	-4,623	..

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
South Africa	2016	39	..	..	..	..	..	39
	2017	63	..	..	..	..	..	63
	2018	63	..	..	..	..	..	63
	2019	63	..	..	..	..	..	63
Tunisia	2016	237	140	..	..	..	-70	..
	2017	206	123	..	..	..	-69	..
	2018	172	118	..	..	..	-51	..
	2019	142	102	..	..	..	-34	..
America, North	2016	125,842	47,279	..	29,861	3,109	-9,583	20,166
	2017	132,039	49,954	..	32,996	3,482	-9,852	20,936
	2018	148,230	56,383	..	38,883	3,609	-11,476	20,950
	2019	162,134	65,029	..	41,214	4,558	-13,110	19,259
Belize	2016	*1	1	..	..	..	..	..
	2017	*1	1	..	..	..	..	..
	2018	*1	1	..	..	..	..	..
	2019	*1	1	..	..	..	..	..
Canada	2016	15,938	..	..	..	..	-2,202	1,156
	2017	15,946	..	..	..	..	-3,348	1,400
	2018	17,550	..	..	..	..	-4,300	1,700
	2019	18,587	..	..	..	..	-6,362	1,109
Curaçao	2016	..	51	..	..	..	51	..
	2017	..	36	..	..	..	36	..
	2018	..	27	..	..	..	27	..
	2019	..	0	..	..	..	0	..
Mexico	2016	8,691	4,181	..	2,216	..	..	2,110
	2017	7,920	3,807	..	2,106	..	..	1,866
	2018	6,764	3,357	..	1,767	..	..	1,549
	2019	6,218	3,048	..	1,593	..	..	1,486
Trinidad and Tobago	2016	865	499	..	..	401	..	..
	2017	921	547	..	..	406	..	..
	2018	805	454	..	..	388	..	..
	2019	801	436	..	..	408	..	..
United States	2016	100,347	42,547	..	27,645	2,708	-7,432	16,900
	2017	107,251	45,564	..	30,890	3,075	-6,540	17,670
	2018	123,109	52,545	..	37,116	3,221	-7,202	17,701
	2019	136,527	61,544	..	39,621	4,150	-6,748	16,664
America, South	2016	22,640	7,547	108	1,022	4,651	-244	7,445
	2017	22,943	7,415	108	980	4,582	-256	6,260
	2018	19,255	6,446	20	1,102	3,277	-263	5,682
	2019	18,465	6,246	0	1,074	2,802	-270	4,846
Argentina	2016	3,478	1,537	..	1,022	0	-244	675
	2017	3,435	1,573	..	980	..	-256	626
	2018	3,859	1,747	..	1,102	..	-263	747
	2019	4,106	1,995	..	1,074	..	-270	767
Bolivia (Plur. State of)	2016	1,047	421	..	..	..	..	564
	2017	1,057	418	..	..	..	..	573
	2018	1,032	443	..	..	..	..	527
	2019	1,016	451	..	..	..	..	474
Brazil	2016	5,349	1,450	108	..	1,462	..	1,206
	2017	6,201	1,456	108	..	1,465	..	1,363
	2018	5,517	1,334	20	..	1,580	..	1,664
	2019	5,735	1,288	0	..	1,120	..	1,764

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Chile	2016	41	..	..	..	..	..	..
	2017	108	..	..	..	..	..	..
	2018	224	..	..	..	..	..	..
	2019	307	..	..	..	..	..	..
Colombia	2016	1,405	294	..	..	1,111	..	..
	2017	1,521	362	..	..	1,159	..	..
	2018	334	334	..	..	0	..	..
	2019	372	372	..	..	0	..	..
Ecuador	2016	176	97	..	..	79	..	..
	2017	174	100	..	..	78	..	..
	2018	125	145	..	..	71	..	0
	2019	137	88	..	..	64	..	0
Peru	2016	3,491	1,435	..	..	1,891	..	..
	2017	3,336	1,351	..	..	1,773	..	..
	2018	3,142	1,210	..	..	1,537	..	..
	2019	3,188	1,262	..	..	1,534	..	..
Venezuela (Bolivar. Rep.)	2016	7,653	2,313	..	..	108	..	*5,000
	2017	7,112	2,156	..	..	107	..	3,698
	2018	5,022	1,233	..	..	89	..	2,744
	2019	3,603	790	..	..	83	..	1,840
Asia	2016	202,180	69,565	7,461	27,747	154	-47,089	48,845
	2017	203,262	71,432	4,559	29,136	138	-44,144	48,265
	2018	208,143	69,681	5,235	30,682	148	-52,698	48,523
	2019	196,187	69,240	16,377	32,038	178	-52,955	47,465
Azerbaijan	2016	2,835	14	23	..	..	-2,494	304
	2017	2,688	12	20	..	..	-2,357	299
	2018	2,921	12	20	..	..	-2,510	379
	2019	*3,940	12	*24	..	..	-3,534	370
Bahrain	2016	356	..	..	..	..	-367	..
	2017	337	..	..	..	..	-315	..
	2018	385	..	..	..	..	-365	..
	2019	651	..	..	..	..	-693	..
Bangladesh	2016	321	8	..	..	154	..	146
	2017	409	6	..	..	138	..	256
	2018	407	6	..	..	148	..	243
	2019	392	7	..	..	178	..	189
Brunei Darussalam	2016	513	16	..	..	..	-435	85
	2017	544	17	..	..	..	-464	81
	2018	518	17	..	..	..	-392	126
	2019	524	18	..	..	..	-406	100
India	2016	*4,295	358	2,339	..	..	..	*1,598
	2017	*4,609	2,210	1,220	..	..	..	*1,179
	2018	*4,932	*2,086	*1,250	..	..	..	*1,596
	2019	*4,763	*2,100	*1,280	..	..	..	*1,383
Indonesia	2016	4,857	1,410	..	..	..	649	..
	2017	4,285	1,162	..	..	..	423	185
	2018	4,084	1,143	..	..	..	241	67
	2019	3,945	1,140	..	..	..	1,583	..
Iran (Islamic Rep. of)	2016	26,429	2,749	..	8,658	..	-16,438	2,243
	2017	28,801	2,720	..	9,711	..	-10,958	2,567
	2018	30,432	2,656	..	10,479	..	-11,578	2,633
	2019	29,827	2,775	..	10,098	..	-11,348	2,531

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Iraq	2016	1,609	1,253	..	..	..	356
	2017	1,861	1,449	..	..	..	412
	2018	1,978	1,540	..	..	..	438
	2019	2,018	1,571	..	..	..	446
Japan	2016	236	..	..	..	6,004	6,149
	2017	240	..	..	..	2,049	2,054
	2018	215	..	..	..	1,725	1,870
	2019	198	..	..	..	2,232	2,390
Kazakhstan	2016	12,462	*1,267	..	..	-11,195	..
	2017	13,270	1,238	..	..	-12,032	..
	2018	12,863	1,493	..	..	-11,371	..
	2019	11,912	1,552	..	..	-10,360	..
Kuwait	2016	8,023	5,868	..	2,155	..	..
	2017	8,843	6,688	..	2,155	..	..
	2018	9,004	6,849	..	2,155	..	..
	2019	8,026	5,871	..	2,155	..	..
Malaysia	2016	2,456	1,893	..	..	..	..
	2017	2,338	1,838	243	..	..	..
	2018	2,398	1,906	230	..	..	..
	2019	1,789	1,837	*191	..	..	..
Myanmar	2016	10	6	4	..	..	..
	2017	12	8	4	..	..	..
	2018	13	13	5	..	..	..
	2019	13	7	4	..	..	..
Oman	2016	254	254	..	..	..	..
	2017	238	238	..	..	..	..
	2018	239	239	..	..	..	..
	2019	281	281	..	..	..	..
Pakistan	2016	489	489	..	..	..	..
	2017	571	*571	..	..	..	..
	2018	564	*564	..	..	..	..
	2019	599	*599	..	..	..	..
Qatar	2016	42,544	9,834	..	1,070	-22,452	9,188	
	2017	41,876	9,687	..	960	-18,840	12,390	
	2018	42,758	10,523	..	1,006	-18,840	12,390	
	2019	40,268	8,031	..	1,007	-18,840	12,390	
Saudi Arabia	2016	47,837	27,829	*865	12,408	..	9,473	
	2017	46,923	27,469	*350	12,590	4,095	8,416	
	2018	47,596	25,264	*961	13,356	4,341	8,494	
	2019	46,250	*26,872	*9,533	*12,913	*11,741	*8,674	
Syrian Arab Republic	2016	76	76	..	..	..	..
	2017	76	76	..	..	..	..
	2018	76	76	..	..	..	..
	2019	86	86	..	..	..	..
Thailand	2016	6,439	4,166	..	2,059	-54	..	
	2017	6,804	4,235	..	2,333	-33	..	
	2018	6,861	4,309	..	2,388	-18	..	
	2019	6,673	4,238	..	2,220	-33	..	
Turkmenistan	2016	934	638	296	
	2017	943	655	288	
	2018	989	707	282	
	2019	1,015	736	279	

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
United Arab Emirates	2016	36,712	11,090	*4,230	*1,397	..	..	17,169
	2017	34,913	10,802	*2,722	1,387	..	-5,359	18,164
	2018	35,981	9,886	*2,769	1,298	..	-13,540	17,861
	2019	29,919	11,104	5,345	*3,645	..	-22,924	16,390
Uzbekistan	2016	1,747	..	..	..	..	91	1,839
	2017	1,953	..	..	..	..	23	1,976
	2018	2,145	..	..	..	..	0	2,145
	2019	2,310	..	..	..	..	11	2,321
Viet Nam	2016	307	307	..	..	..	..	..
	2017	317	317	..	..	..	..	..
	2018	381	381	..	..	..	..	..
	2019	391	391	..	..	..	..	..
Yemen	2016	41	41	..	..	..	..	..
	2017	35	35	..	..	..	..	..
	2018	12	12	..	..	..	..	..
	2019	12	12	..	..	..	..	..
Europe	2016	40,901	7,722	1,161	2,790	352	6,914	31,219
	2017	47,308	8,252	1,091	2,689	533	9,104	39,384
	2018	46,943	7,567	939	2,563	338	7,024	38,220
	2019	46,955	7,230	843	1,835	190	3,284	36,322
Austria	2016	6	..	..	..	..	0	6
	2017	37	..	..	..	..	..	37
	2018	18	..	..	..	..	..	18
	2019	16	..	..	..	..	..	16
Belarus	2016	63	61	..	..	2	..	..
	2017	74	71	..	..	3	..	..
	2018	100	97	..	..	3	..	..
	2019	102	98	..	..	4	..	..
Belgium	2016	..	..	..	..	..	58	46
	2017	..	..	..	..	..	23	0
	2018	..	..	..	..	..	21	..
	2019	..	..	..	..	..	..	..
Croatia	2016	59	40	..	..	..	..	19
	2017	64	42	..	..	..	..	22
	2018	58	38	..	..	..	..	19
	2019	59	40	..	..	..	..	13
Finland	2016	..	..	..	..	..	904	938
	2017	..	..	..	..	..	1,367	1,272
	2018	..	..	..	..	..	1,189	1,261
	2019	..	..	..	..	..	549	673
France	2016	0	..	..	..	350	794	404
	2017	..	..	..	..	530	626	136
	2018	..	..	..	..	335	335	..
	2019	..	..	..	..	186	186	..
Hungary	2016	260	121	..	..	..	0	117
	2017	282	89	-19	130
	2018	242	75	159
	2019	184	43	137
Montenegro	2016
	2017
	2018	4	..
	2019	5	..

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Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Netherlands	2016	291	..	..	..	..	6,019	3,042
	2017	240	..	..	..	..	6,919	4,141
	2018	204	..	..	..	..	6,053	3,202
	2019	132	..	..	..	..	4,678	2,284
Norway	2016	10,263	6,433	1,161	1,606	..	..	..
	2017	10,504	6,902	1,091	1,457	..	..	..
	2018	10,006	6,474	939	1,447	..	..	..
	2019	9,061	6,074	843	1,098	..	..	..
Romania	2016	116	..	..	..	..	-33	77
	2017	96	..	..	..	..	-24	66
	2018	91	..	..	..	..	-16	63
	2019	129	..	..	..	..	-30	78
Russian Federation	2016	26,019	..	..	..	..	-1,274	24,832
	2017	31,862	..	..	..	..	-1	31,874
	2018	32,199	..	..	..	..	-229	31,963
	2019	33,431	..	..	..	..	-1,838	31,589
Serbia	2016	33	..	..	..	..	60	93
	2017	35	..	..	..	..	40	76
	2018	34	..	..	..	..	2	36
	2019	31	..	..	..	..	31	61
Slovakia	2016	2	..	..	..	..	..	2
	2017	2	..	..	..	..	..	2
	2018	2	..	..	..	..	..	2
	2019	2	..	..	..	..	..	2
Slovenia	2016	..	..	..	..	..	..	..
	2017	0	..	..	..	..	0	..
	2018	1	..	..	..	..	-1	..
	2019	0	..	..	..	..	0	..
Ukraine	2016	650	..	..	..	..	14	665
	2017	665	..	..	..	..	109	762
	2018	669	..	..	..	..	44	704
	2019	735	..	..	..	..	1	737
United Kingdom	2016	3,139	1,067	..	1,184	..	372	978
	2017	3,446	1,148	..	1,232	..	65	867
	2018	3,320	883	..	1,116	..	-379	793
	2019	3,074	975	..	736	..	-297	733
Oceania	2016	1,821	1,817	..	..	..	-5	..
	2017	1,722	1,717	..	..	..	-2	..
	2018	1,656	1,595	..	..	..	-2	..
	2019	1,648	1,588	..	..	..	..	..
Australia	2016	1,644	1,644	..	..	..	..	..
	2017	1,536	1,536	..	..	..	..	..
	2018	1,472	1,411	..	..	..	..	..
	2019	1,476	1,416	..	..	..	..	..
New Zealand	2016	177	173	..	..	..	-5	..
	2017	186	181	..	..	..	-2	..
	2018	184	184	..	..	..	-2	..
	2019	172	172	..	..	..	..	..