

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, 1990-2018

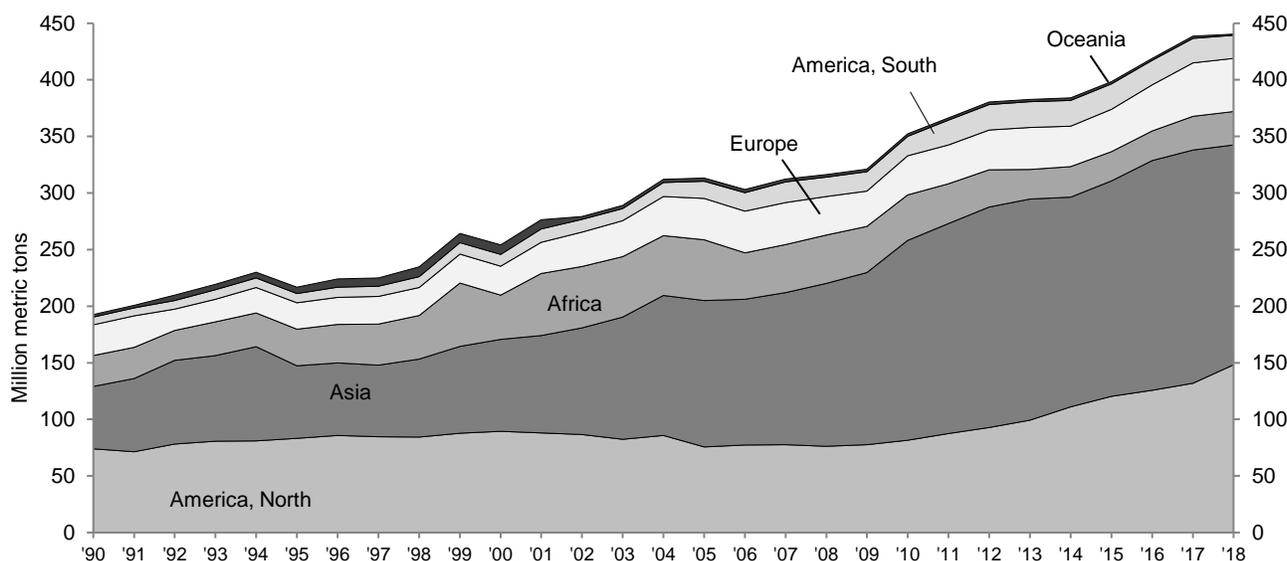


Figure 67: Production of natural gas liquids by end-use product, 2018

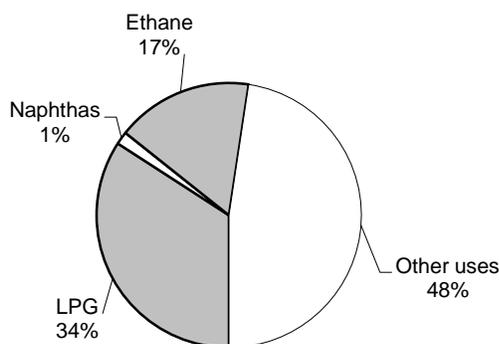


Table 26

Production of natural gas liquids - by end use

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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	2015	398,362	140,342	9,887	58,293	8,545	-47,559	109,662
	2016	419,074	144,599	9,189	64,402	9,305	-56,541	110,466
	2017	438,522	150,684	6,332	66,390	10,021	-60,785	119,090
	2018	440,448	150,338	6,928	73,452	11,315	-57,164	117,398
Africa	2015	26,003	10,928	492	0	..	-9,783	4,965
	2016	26,183	11,162	459	0	..	-10,204	4,157
	2017	29,672	11,763	574	..	..	-12,994	4,900
	2018	29,616	11,516	736	..	..	-13,799	4,662
Algeria	2015	18,346	8,611	120	0	..	-5,016	4,797
	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
Angola	2015	0	0	..	..	..	0	..
	2016	904	225	..	..	..	-810	..
	2017	3,962	941	..	..	..	-3,803	..
	2018	4,091	822	..	..	..	-4,341	..
Congo	2015	301	..	..	..	..	-280	21
	2016	301	..	..	..	..	-280	21
	2017	301	..	..	..	..	-276	24
	2018	301	..	..	..	..	-276	25
Côte d'Ivoire	2015	5	5	..	..	..	..	..
	2016	6	6	..	..	..	..	..
	2017	6	6	..	..	..	..	..
	2018	5	5	..	..	..	..	..
Egypt	2015	1,366	1,366	..	..	..	..	..
	2016	1,312	1,312	..	..	..	..	..
	2017	1,230	1,230	..	..	..	..	..
	2018	1,299	1,299	..	..	..	..	..
Equatorial Guinea	2015	542	542	..	..	..	..	..
	2016	605	605	..	..	..	..	..
	2017	660	660	..	..	..	..	..
	2018	587	587	..	..	..	..	..
Ghana	2015	..	..	..	..	..	..	..
	2016	..	..	..	..	..	..	..
	2017	112	114	..	..	..	..	..
	2018	80	80	..	..	..	..	..
Libya	2015	2,109	272	372	..	..	-1,465	..
	2016	2,108	281	358	..	..	-1,469	..
	2017	2,831	277	461	..	..	-2,093	..
	2018	3,375	292	655	..	..	-2,428	..
Nigeria	2015	2,970	..	..	..	..	-2,948	..
	2016	2,747	..	..	..	..	-2,366	..
	2017	2,557	..	..	..	..	-2,553	..
	2018	2,424	..	..	..	..	-2,413	..
South Africa	2015	147	..	..	..	..	..	147
	2016	39	..	..	..	..	..	39
	2017	63	..	..	..	..	..	63
	2018	63	63
Tunisia	2015	217	132	-74	..
	2016	237	140	-70	..
	2017	206	123	-69	..
	2018	172	118	-51	..

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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		
America, North	2015	120,377	47,531	..	26,702	2,853	-8,709	19,992
	2016	125,842	47,228	..	29,861	3,109	-9,583	20,166
	2017	132,039	49,919	..	32,996	3,481	-9,852	20,936
	2018	148,229	56,357	..	38,883	3,609	-11,476	20,950
Belize	2015	*1	1	..	..	..	..	..
	2016	*1	1	..	..	..	..	..
	2017	*1	1	..	..	..	..	..
	2018	*1	1	..	..	..	..	..
Canada	2015	13,807	..	..	..	..	-1,995	1,175
	2016	15,938	..	..	..	..	-2,202	1,156
	2017	15,946	..	..	..	..	-3,348	1,400
	2018	17,550	..	..	..	..	-4,300	1,700
Curaçao	2015	..	..	..	..	..	56	..
	2016	..	..	..	..	..	51	..
	2017	..	..	..	..	..	36	..
	2018	..	..	..	..	..	27	..
Mexico	2015	9,218	4,501	..	2,230	..	..	2,296
	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
Trinidad and Tobago	2015	1,032	597	..	..	477	..	..
	2016	865	499	..	..	401	..	..
	2017	921	547	..	..	406	..	..
	2018	805	454	..	..	388	..	..
United States	2015	96,319	42,432	..	24,472	2,376	-6,770	16,521
	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	-7,203	17,701
America, South	2015	22,297	7,897	..	907	3,716	-244	7,595
	2016	21,497	7,515	108	1,022	3,540	-244	7,677
	2017	21,745	7,376	108	980	3,423	-256	7,411
	2018	20,305	7,569	20	1,102	3,280	-263	6,638
Argentina	2015	3,547	1,705	..	907	0	-244	691
	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
Bolivia (Plur. State of)	2015	940	322	..	..	..	..	564
	2016	1,047	421	..	..	..	..	564
	2017	1,057	418	..	..	..	..	573
	2018	1,032	443	..	..	..	..	527
Brazil	2015	5,629	1,431	..	..	1,698	..	817
	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
Chile	2015	38	..	..	..	..	..	..
	2016	41	..	..	..	..	..	..
	2017	108
	2018	224
Colombia	2015	260	260
	2016	262	262
	2017	322	322
	2018	298	298

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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		
Ecuador	2015	161	96	..	..	65	..	..
	2016	176	97	..	..	79	..	..
	2017	174	100	..	..	78	..	..
	2018	125	145	..	..	71	..	0
Peru	2015	3,447	1,460	..	..	1,824	..	..
	2016	3,491	1,435	..	..	1,891	..	..
	2017	3,336	1,351	..	..	1,773	..	..
	2018	3,141	1,282	..	..	1,540	..	..
Venezuela (Bolivar. Rep.)	2015	8,275	2,623	..	..	129	..	*5,523
	2016	7,653	2,313	..	..	108	..	*5,232
	2017	7,112	2,156	..	..	107	..	*4,849
	2018	6,109	2,320	..	..	89	..	*3,700
Asia	2015	190,341	64,283	8,635	28,021	1,858	-36,881	48,181
	2016	202,830	69,216	7,461	30,699	2,656	-43,420	47,247
	2017	206,037	71,728	4,559	29,699	3,006	-46,785	46,458
	2018	194,276	66,389	5,233	30,876	4,124	-38,648	46,928
Azerbaijan	2015	2,634	15	26	..	..	-2,267	326
	2016	2,835	14	23	..	..	-2,494	304
	2017	2,688	12	20	..	..	-2,357	299
	2018	2,921	12	20	..	..	-2,510	379
Bahrain	2015	350	..	..	..	..	-351	..
	2016	356	..	..	..	..	-367	..
	2017	337	..	..	..	..	-315	..
	2018	385	..	..	..	..	-365	..
Bangladesh	2015	294	7	..	..	178	0	85
	2016	321	8	..	..	154	..	146
	2017	409	6	..	..	138	..	256
	2018	407	6	..	..	148	..	243
Brunei Darussalam	2015	621	18	..	..	..	-471	135
	2016	513	16	..	..	..	-435	85
	2017	544	17	..	..	..	-464	81
	2018	518	17	..	..	..	-392	126
India	2015	*4,016	489	2,517	..	..	..	..
	2016	*4,295	358	2,339	..	..	..	..
	2017	*4,609	2,210	1,220	..	..	..	..
	2018	*4,932	*2,086	*1,250	..	..	..	..
Indonesia	2015	4,886	1,631	..	..	894	-1,716	*189
	2016	4,857	1,410	..	..	1,792	649	..
	2017	4,285	1,162	..	..	*2,168	423	185
	2018	4,084	1,143	..	..	3,414	241	67
Iran (Islamic Rep. of)	2015	22,532	1,860	..	10,176	..	-7,625	2,287
	2016	26,429	2,138	..	11,672	..	-16,438	2,243
	2017	30,250	2,720	..	10,336	..	-18,177	2,567
	2018	31,025	2,656	..	10,735	..	-15,821	2,633
Iraq	2015	1,021	795	..	..	..	..	226
	2016	1,609	1,253	..	..	..	..	356
	2017	1,861	1,449	..	..	..	..	412
	2018	1,978	1,540	..	..	..	..	438
Japan	2015	242	6,498	6,490
	2016	236	6,004	6,149
	2017	240	2,049	2,055
	2018	215	1,725	1,870

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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		
Kazakhstan	2015	12,936	1,241	..	..	..	-11,695	..
	2016	12,462	*1,267	..	..	..	-11,195	..
	2017	13,270	1,238	..	..	..	-12,032	..
	2018	1,493	1,493	..	..	..	..	..
Kuwait	2015	6,838	4,745	..	2,093	..	..	..
	2016	7,961	5,868	..	2,093	..	..	..
	2017	8,781	6,688	..	2,093	..	..	..
	2018	8,942	6,849	..	2,093	..	..	..
Malaysia	2015	1,522	1,106	..	..	..	..	..
	2016	2,456	1,893	..	..	..	..	..
	2017	2,338	1,838	243	..	..	..	..
	2018	2,398	1,906	230	..	..	..	..
Myanmar	2015	8	4	4	..	..	..	..
	2016	10	6	4	..	..	..	..
	2017	12	8	4	..	..	..	..
	2018	13	7	3	..	3	..	..
Oman	2015	241	241	..	..	..	..	..
	2016	254	254	..	..	..	..	..
	2017	238	238	..	..	..	..	..
	2018	239	239	..	..	..	..	..
Pakistan	2015	467	467	..	..	..	1,235	..
	2016	489	489	..	..	..	3,656	..
	2017	571	*571	..	..	..	5,882	..
	2018	564	*564	..	..	..	6,922	..
Qatar	2015	39,625	9,782	..	1,573	..	-20,008	8,271
	2016	42,516	9,830	..	1,070	..	-22,439	9,188
	2017	42,546	9,682	..	960	..	-20,144	11,760
	2018	39,177	6,942	..	1,006	..	-18,840	12,390
Saudi Arabia	2015	45,615	25,931	*2,630	10,680	..	-153	9,624
	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
Syrian Arab Republic	2015	76	76	..	..	..	..	..
	2016	76	76	..	..	..	..	..
	2017	76	76	..	..	..	..	..
	2018	76	76	..	..	..	..	..
Thailand	2015	6,382	4,216	..	2,199	..	-65	..
	2016	6,415	4,377	..	2,059	..	-54	..
	2017	6,759	4,473	..	2,333	..	-33	..
	2018	6,816	4,565	..	2,388	..	-18	..
Turkmenistan	2015	980	674	..	..	..	..	306
	2016	934	638	..	..	..	..	296
	2017	943	655	..	..	..	..	288
	2018	989	707	..	..	..	..	282
United Arab Emirates	2015	35,808	10,723	*3,458	1,300	..	..	18,423
	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
Uzbekistan	2015	1,728	97	1,819
	2016	1,747	91	1,839
	2017	1,953	23	1,976
	2018	2,145	0	2,145

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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		
Viet Nam	2015	1,052	156	..	..	786	..	..
	2016	1,017	308	..	..	710	..	..
	2017	1,017	317	..	..	700	..	..
	2018	979	420	..	..	559	..	..
Yemen	2015	107	107	..	..	..	..	..
	2016	95	*95	..	..	..	..	..
	2017	*97	*97	..	..	..	..	..
	2018	12	12	..	..	..	..	..
Europe	2015	37,360	7,727	760	2,663	118	8,067	28,929
	2016	40,901	7,661	1,161	2,820	0	6,914	31,219
	2017	47,307	8,181	1,091	2,715	111	9,105	39,384
	2018	46,944	7,430	939	2,591	302	7,024	38,220
Austria	2015	21	..	..	..	..	31	53
	2016	6	..	..	..	..	0	6
	2017	37	..	..	..	..	..	37
	2018	18	..	..	..	..	..	18
Belarus	2015	66	..	..	..	..	..	..
	2016	63	..	..	..	..	..	..
	2017	74	..	..	..	..	..	..
	2018	100	..	..	..	..	..	..
Belgium	2015	..	..	..	..	..	114	45
	2016	..	..	..	..	..	58	46
	2017	..	..	..	..	..	23	0
	2018	..	..	..	..	..	21	..
Croatia	2015	56	39	..	0	..	..	17
	2016	59	40	..	..	..	..	19
	2017	64	42	..	..	..	..	22
	2018	58	38	..	..	..	..	19
Finland	2015	..	..	..	..	..	815	765
	2016	..	..	..	..	..	904	938
	2017	..	..	..	..	..	1,367	1,272
	2018	..	..	..	..	..	1,189	1,261
France	2015	0	..	..	..	0	489	138
	2016	0	..	..	..	0	794	404
	2017	..	..	..	..	0	626	136
	2018	..	..	..	..	0	335	..
Hungary	2015	232	198	..	..	..	120	101
	2016	260	121	..	..	..	0	117
	2017	282	89	..	..	..	-19	130
	2018	242	75	..	..	..	..	159
Lithuania	2015	..	..	..	..	..	198	198
	2016	..	..	..	..	..	0	0
	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..
Montenegro	2015	..	..	..	..	..	..	..
	2016	..	..	..	..	..	..	..
	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	4	..
Netherlands	2015	402	118	6,638	3,575
	2016	291	6,019	3,042
	2017	240	111	6,919	4,141
	2018	204	302	6,053	3,202

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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		
Norway	2015	9,848	6,398	760	1,667	..	..
	2016	10,263	6,433	1,161	1,636	..	..
	2017	10,504	6,902	1,091	1,483	..	..
	2018	10,006	6,474	939	1,477	..	..
Romania	2015	101	..	..	..	..	0	96
	2016	116	..	..	..	..	-33	77
	2017	96	..	..	..	..	-24	66
	2018	91	..	..	..	..	-16	63
Russian Federation	2015	23,483	..	..	..	..	-1,122	22,354
	2016	26,019	..	..	..	..	-1,274	24,832
	2017	31,862	..	..	..	..	-1	31,874
	2018	32,199	..	..	..	..	-229	31,963
Serbia	2015	31	..	..	..	..	65	96
	2016	33	..	..	..	..	60	93
	2017	35	..	..	..	..	40	76
	2018	34	..	..	..	..	2	36
Slovakia	2015	2	..	..	..	..	..	2
	2016	2	..	..	..	..	..	2
	2017	2	..	..	..	..	..	2
	2018	2	..	..	..	..	..	2
Ukraine	2015	656	..	..	..	..	..	642
	2016	650	..	..	..	..	14	665
	2017	665	..	..	..	..	109	762
	2018	669	..	..	..	..	44	704
United Kingdom	2015	2,462	1,092	..	996	..	719	847
	2016	3,139	1,067	..	1,184	..	372	978
	2017	3,446	1,148	..	1,232	..	65	867
	2018	3,320	843	..	1,114	..	-378	793
Oceania	2015	1,984	1,976	..	..	..	-9	..
	2016	1,821	1,817	..	..	..	-5	..
	2017	1,722	1,717	..	..	..	-2	..
	2018	1,077	1,077	..	..	..	-2	..
Australia	2015	1,779	1,779	..	..	..	..	..
	2016	1,644	1,644	..	..	..	..	..
	2017	1,536	1,536	..	..	..	..	..
	2018	893	893	..	..	..	..	..
New Zealand	2015	205	197	..	..	..	-9	..
	2016	177	173	..	..	..	-5	..
	2017	186	181	..	..	..	-2	..
	2018	184	184	..	..	..	-2	..