

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 69: Production of natural gas liquids by region, 1990-2021

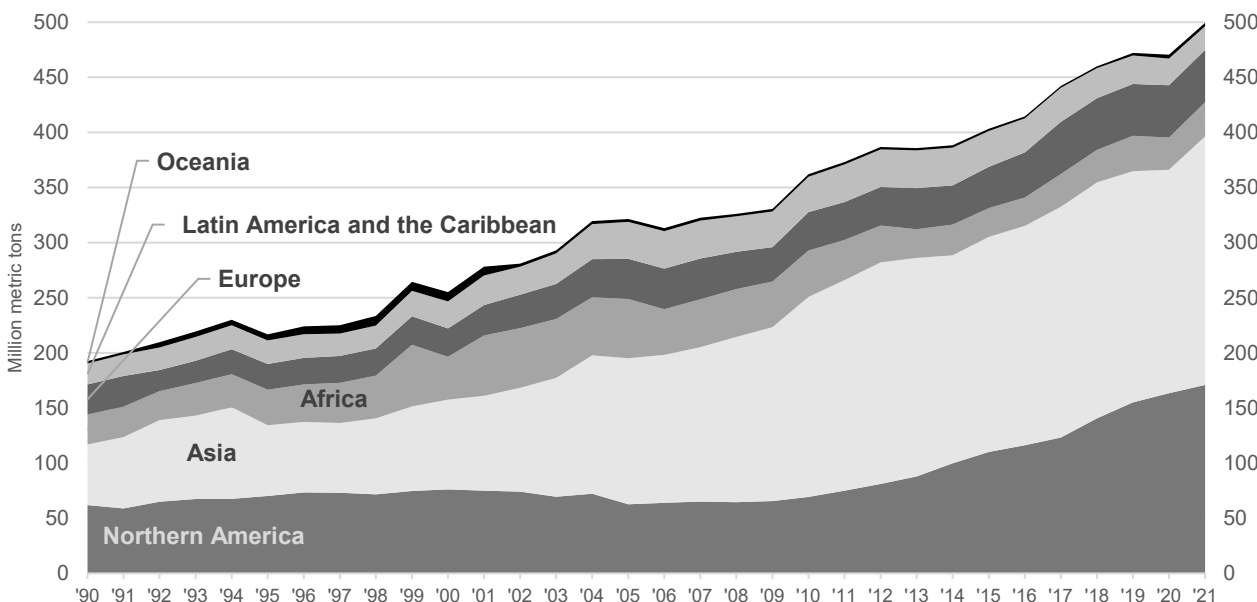


Figure 70: Production of natural gas liquids by end-use product, 2021

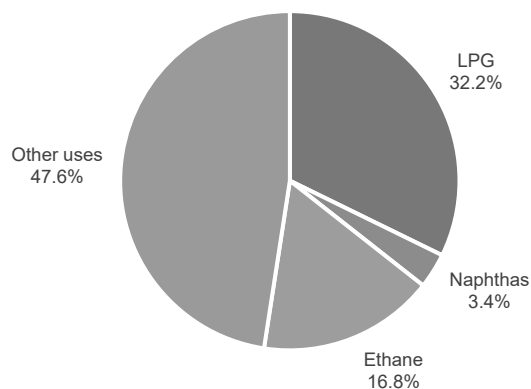


Table 27

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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	2018	459,924	156,301	15,075	75,324	7,674	-54,427	118,075
	2019	472,035	162,386	16,280	75,702	8,361	-63,832	105,232
	2020	470,433	164,270	15,143	81,264	7,109	-61,831	110,189
	2021	499,418	161,005	16,793	84,074	8,598	-68,560	105,601
Africa	2018	29,451	12,805	231	..	..	-10,366	4,662
	2019	32,053	12,810	240	..	..	-13,175	3,738
	2020	29,155	12,371	190	..	..	-10,564	4,285
	2021	30,919	12,813	216	..	..	-12,136	4,360
Algeria	2018	17,220	8,314	81	..	..	-4,290	4,574
	2019	16,517	8,259	107	..	..	-4,374	3,650
	2020	15,444	7,741	96	..	..	-3,253	4,231
	2021	16,076	8,285	95	..	..	-3,145	4,305
Angola	2018	*2,493	2,075	..	..	..	*-449	..
	2019	*2,818	2,358	..	..	..	*-429	..
	2020	*2,827	2,337	..	..	..	*-477	..
	2021	*2,411	2,010	..	..	..	*-377	..
Cameroon	2018	16	16	..	..	..	..	..
	2019	24	24	..	..	..	..	..
	2020	25	25	..	..	..	..	..
	2021	35	35	..	..	..	..	..
Congo	2018	301	..	..	..	..	-276	25
	2019	301	..	..	..	..	-276	25
	2020	301	..	..	..	..	-277	24
	2021	301	..	..	..	..	-276	25
Côte d'Ivoire	2018	5	5	..	..	..	..	..
	2019	6	6	..	..	..	..	..
	2020	6	6	..	..	..	..	..
	2021	43	43	..	..	..	..	..
Egypt	2018	3,193	1,299	..	..	..	-451	..
	2019	3,218	1,193	..	..	..	-418	..
	2020	2,875	1,196	..	..	..	-287	..
	2021	2,656	1,193	..	..	..	-261	..
Equatorial Guinea	2018	606	606	..	..	..	..	..
	2019	528	528	..	..	..	..	..
	2020	478	478	..	..	..	..	..
	2021	376	376	..	..	..	..	..
Ghana	2018	80	80	..	..	..	..	..
	2019	66	66	..	..	..	..	..
	2020	84	84	..	..	..	..	..
	2021	93	93	..	..	..	..	..
Libya	2018	2,870	292	150	..	..	-2,428	..
	2019	3,420	273	133	..	..	-3,014	..
	2020	1,625	275	94	..	..	-1,256	..
	2021	3,707	279	121	..	..	-3,307	..
Mozambique	2018	8	..	..	..	..	-8	..
	2019	7	..	..	..	..	-7	..
	2020	6	..	..	..	..	-6	..
	2021	6	..	..	..	..	-6	..
Nigeria	2018	2,424	-2,413	..
	2019	4,943	-4,623	..
	2020	5,314	136	-4,969	..
	2021	5,034	406	-4,708	..

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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	2018	63	..	..	..	..	..	63
	2019	63	..	..	..	..	..	63
	2020	30	..	..	..	..	..	30
	2021	30	..	..	..	..	..	30
Tunisia	2018	172	118	..	..	..	-51	..
	2019	142	102	..	..	..	-34	..
	2020	140	93	..	..	..	-39	..
	2021	151	93	..	..	..	-56	..
Asia	2018	214,020	72,386	13,885	32,775	148	-39,332	48,388
	2019	209,736	69,537	15,196	31,580	178	-42,203	39,445
	2020	202,643	66,346	14,147	33,733	175	-44,752	44,410
	2021	225,295	61,646	15,806	33,764	59	-45,871	40,436
Azerbaijan	2018	2,889	12	20	..	..	-2,510	347
	2019	3,904	12	20	..	..	-3,534	338
	2020	4,199	14	23	..	..	-3,544	619
	2021	5,343	13	23	..	..	-4,192	1,115
Bahrain	2018	385	..	..	..	..	-365	..
	2019	651	..	..	..	..	-693	..
	2020	636	..	..	..	..	-627	..
	2021	520	..	..	..	..	-505	..
Bangladesh	2018	407	6	..	..	148	..	243
	2019	392	7	..	..	178	..	189
	2020	361	5	..	..	175	..	162
	2021	309	1	..	..	59	..	244
Brunei Darussalam	2018	518	17	..	..	..	-392	126
	2019	524	18	..	..	..	-406	100
	2020	432	18	..	..	..	-388	27
	2021	382	17	..	..	..	-365	..
India	2018	*4,932	*2,086	*1,250	..	..	..	*1,596
	2019	*4,763	*2,100	*1,280	..	..	..	*1,383
	2020	*4,212	*1,859	975	..	..	..	*1,378
	2021	4,051	*1,649	*971	..	..	..	*1,425
Indonesia	2018	*969	1,143	..	..	..	241	67
	2019	*1,164	1,140	..	..	..	1,583	..
	2020	1,063	1,024	..	..	..	..	..
	2021	*1,039	1,039	..	..	..	..	..
Iran (Islamic Rep. of)	2018	29,353	2,656	..	10,013	..	-11,167	2,491
	2019	28,577	3,002	..	9,332	..	-10,872	2,425
	2020	29,086	2,834	..	9,719	..	-11,066	2,468
	2021	30,810	2,945	..	10,353	..	-11,722	2,615
Iraq	2018	1,978	1,540	..	..	..	..	438
	2019	2,019	1,573	..	..	..	..	447
	2020	1,977	1,540	..	..	..	..	437
	2021	2,076	1,617	..	..	..	..	459
Japan	2018	215	..	..	..	..	1,725	1,870
	2019	198	..	..	..	..	2,232	2,390
	2020	185	..	..	..	..	1,232	1,415
	2021	180	..	..	..	..	311	403
Kazakhstan	2018	12,863	1,493	-11,371	..
	2019	11,912	1,552	-10,360	..
	2020	12,649	1,571	-11,078	..
	2021	12,691	1,195	1	*-11,495	..

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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		
Kuwait	2018	9,004	6,849	..	2,155	..	..
	2019	8,026	5,871	..	2,155	..	..
	2020	8,403	6,248	..	2,155	..	..
	2021	7,070	5,106	..	1,964	..	..
Malaysia	2018	2,398	1,906	230	..	..	..
	2019	1,937	1,837	*191	..	..	..
	2020	1,837	1,891	*230	..	..	..
	2021	1,114	1,207	*163	..	..	..
Myanmar	2018	13	13	5	..	..	..
	2019	13	7	4	..	..	..
	2020	5	..	*5	..	..	..
	2021	5	..	5	..	..	..
Oman	2018	239	239	..	..	..	..
	2019	281	281	..	..	..	..
	2020	216	216	..	..	..	..
	2021	215	215	..	..	..	..
Pakistan	2018	270	270	..	..	..	..
	2019	255	255	..	..	..	..
	2020	277	277	..	..	..	..
	2021	284	284	..	..	..	..
Qatar	2018	42,758	10,523	..	1,006	..	-18,840	12,390
	2019	40,268	8,031	..	1,007	..	-18,840	12,390
	2020	39,788	7,056	..	2,618	..	-18,255	11,859
	2021	39,248	5,691	..	2,635	..	-17,111	13,811
Saudi Arabia	2018	57,207	28,099	8,717	13,356	..	4,341	8,494
	2019	55,889	26,872	9,533	*12,913	..	0	*871
	2020	49,228	25,267	8,631	*12,778	..	-157	7,559
	2021	67,772	24,071	8,588	*12,597	..	0	*19
Syrian Arab Republic	2018	76	76	..	..	..	..	..
	2019	86	86	..	..	..	..	..
	2020	95	95	..	..	..	..	..
	2021	95	95	..	..	..	..	..
Thailand	2018	6,861	4,309	..	2,388	..	-18	..
	2019	6,673	4,238	..	2,220	..	-33	..
	2020	6,151	3,526	..	1,911	..	-49	..
	2021	6,228	3,628	..	1,897	..	-22	..
Turkmenistan	2018	989	668	..	..	..	..	321
	2019	1,015	832	..	..	..	..	183
	2020	968	794	..	..	..	..	174
	2021	981	804	..	..	..	..	177
United Arab Emirates	2018	35,981	9,886	3,663	3,857	..	..	17,861
	2019	36,867	11,104	4,168	3,953	..	..	16,408
	2020	37,196	11,409	4,283	4,552	..	..	16,174
	2021	41,518	11,409	6,056	4,317	..	..	18,235
Uzbekistan	2018	2,145	..	..	..	..	0	2,145
	2019	2,310	..	..	..	..	11	2,321
	2020	2,028	..	..	..	..	108	2,136
	2021	*1,824	*110	*1,934
Viet Nam	2018	381	381
	2019	391	391
	2020	392	372
	2021	360	360

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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		
Yemen	2018	214	214	..	..	..	..
	2019	328	328	..	..	..	..
	2020	329	329	..	..	..	..
	2021	301	301	..	..	..	..
Europe	2018	46,944	6,691	939	2,563	640	7,024	38,220
	2019	47,025	6,465	843	1,835	824	3,298	36,404
	2020	47,528	6,363	807	1,707	305	5,085	38,329
	2021	47,665	5,290	771	1,314	682	3,091	38,688
Austria	2018	18	..	..	..	..	..	18
	2019	16	..	..	..	..	..	16
	2020	14	..	..	..	..	..	14
	2021	11	..	..	..	..	..	11
Belarus	2018	100	97	..	..	3	..	..
	2019	102	98	..	..	4	..	..
	2020	107	103	..	..	4	..	..
	2021	107	103	..	..	4	..	..
Belgium	2018	..	..	..	..	..	21	..
	2019	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..
	2021	..	..	..	..	..	..	..
Croatia	2018	58	38	..	..	..	..	19
	2019	59	40	..	..	..	..	13
	2020	51	34	17	..	..	..	..
	2021	50	33	17	..	..	..	..
Finland	2018	..	..	..	..	..	1,189	1,261
	2019	..	..	..	..	..	549	673
	2020	..	..	..	..	..	647	665
	2021	..	..	..	..	..	587	619
France	2018	..	..	..	..	335	335	..
	2019	..	..	..	..	186	186	..
	2020	..	..	..	..	..	..	..
	2021	..	..	..	..	..	24	..
Hungary	2018	242	75	..	..	..	..	159
	2019	184	43	..	..	..	..	137
	2020	145	35	..	..	..	..	110
	2021	168	39	..	..	..	..	124
Italy	2018	..	..	..	..	..	..	..
	2019	..	..	..	..	..	..	..
	2020	10	..	..	..	..	..	10
	2021	10	..	..	..	..	..	10
Montenegro	2018	..	..	..	..	..	4	..
	2019	..	..	..	..	..	5	..
	2020	..	..	..	..	..	4	..
	2021	..	..	..	..	..	4	..
Netherlands (Kingd. of the)	2018	204	..	..	..	302	6,053	3,202
	2019	132	..	..	..	634	4,759	2,365
	2020	112	..	..	..	301	6,502	3,606
	2021	98	..	..	..	678	4,618	2,021
Norway	2018	10,006	5,598	939	1,447
	2019	9,061	5,309	843	1,098
	2020	8,759	5,073	789	1,012
	2021	7,699	4,340	754	715

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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		
Romania	2018	91	..	..	..	..	-16	63
	2019	129	..	..	..	..	-30	78
	2020	123	..	..	..	..	-27	70
	2021	123	..	..	..	..	-27	87
Russian Federation	2018	32,199	..	..	..	..	-229	31,963
	2019	33,431	..	..	..	..	-1,838	31,589
	2020	34,099	..	..	..	..	-1,709	32,386
	2021	36,001	..	..	..	..	-1,509	34,492
Serbia	2018	34	..	..	..	..	2	36
	2019	31	..	..	..	..	31	61
	2020	32	..	..	..	..	23	54
	2021	28	..	..	..	..	27	53
Slovakia	2018	2	..	..	..	..	..	2
	2019	2	..	..	..	..	..	2
	2020	2	..	..	..	..	..	2
	2021	2	..	..	..	..	..	2
Slovenia	2018	1	..	..	..	..	-1	..
	2019	0	..	..	..	..	0	..
	2020	0	..	..	..	..	0	..
	2021	0	..	..	..	..	0	..
Ukraine	2018	669	..	..	..	..	44	704
	2019	735	..	..	..	..	1	737
	2020	746	..	..	..	..	..	746
	2021	744	..	..	..	..	..	738
United Kingdom	2018	3,320	883	..	1,116	..	-379	793
	2019	3,144	975	..	736	..	-365	733
	2020	3,327	1,119	..	695	..	-355	667
	2021	2,625	776	..	599	..	-633	530
Latin America & Carib.	2018	27,191	10,215	20	2,869	3,665	-251	7,404
	2019	25,816	9,740	0	2,667	3,209	-286	6,541
	2020	24,271	8,960	0	2,851	3,074	-291	5,488
	2021	21,488	8,929	..	2,439	2,837	-275	4,455
Argentina	2018	3,859	1,747	..	1,102	..	-263	747
	2019	4,106	1,995	..	1,074	..	-270	767
	2020	*4,129	1,723	..	1,379	..	-277	750
	2021	*4,218	1,928	..	1,296	..	-255	739
Belize	2018	*1	1	..	..	..	..	..
	2019	*1	1	..	..	..	..	..
	2020	1	1	..	..	..	..	..
	2021	*1	*1	..	..	..	..	..
Bolivia (Plur. State of)	2018	1,029	419	..	..	..	-15	595
	2019	1,034	469	..	..	..	-16	549
	2020	977	433	..	..	..	-14	530
	2021	1,111	506	..	..	..	-20	585
Brazil	2018	5,517	1,334	20	..	1,580	..	1,664
	2019	5,735	1,288	0	..	1,120	..	1,764
	2020	6,142	1,293	0	..	1,147	..	1,546
	2021	5,255	1,306	1,157	..	810
Chile	2018	224
	2019	307
	2020	285
	2021	254

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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		
Colombia	2018	334	334	..	..	0	..	..
	2019	376	376	..	..	0	..	..
	2020	442	442	..	..	..	..	..
	2021	447	447	..	..	..	..	..
Curaçao	2018	..	27	..	..	..	27	..
	2019	..	0	..	..	..	0	..
	2020	..	..	..	..	..	..	..
	2021	..	..	..	..	..	..	..
Ecuador	2018	*178	100	..	..	71	..	8
	2019	*164	91	..	..	64	..	9
	2020	*151	79	..	..	64	..	8
	2021	*171	95	..	..	68	..	7
Mexico	2018	6,764	3,357	..	1,767	..	..	1,549
	2019	6,218	3,047	..	1,593	..	..	1,486
	2020	5,875	2,873	..	1,472	..	..	1,420
	2021	4,802	2,503	..	1,143	..	..	1,087
Peru	2018	3,362	1,210	..	..	1,537	..	..
	2019	3,411	1,262	..	..	1,534	..	..
	2020	3,350	1,273	..	..	1,487	..	..
	2021	2,594	1,313	..	..	1,281	..	..
Trinidad and Tobago	2018	805	454	..	..	388	..	..
	2019	801	436	..	..	408	..	..
	2020	673	360	..	..	350	..	..
	2021	574	303	..	..	305	..	..
Venezuela (Bolivar. Rep.)	2018	5,117	1,233	..	..	89	..	2,841
	2019	3,662	775	..	..	83	..	1,966
	2020	2,246	483	..	..	26	..	1,234
	2021	2,061	528	..	..	25	..	1,227
Northern America	2018	140,659	52,545	..	37,116	3,221	-11,502	19,401
	2019	155,114	61,544	..	39,621	4,150	-11,466	19,104
	2020	163,441	66,835	..	42,973	3,556	-11,308	17,677
	2021	170,974	69,250	..	46,557	5,018	-13,369	17,662
Canada	2018	17,550	..	..	..	..	-4,300	1,700
	2019	18,587	..	..	..	..	-4,719	2,440
	2020	18,042	..	..	..	..	-3,724	2,590
	2021	18,426	..	..	..	..	-5,622	2,559
United States	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
	2020	145,399	66,835	..	42,973	3,556	-7,584	15,086
	2021	152,548	69,250	..	46,557	5,018	-7,747	15,104
Oceania	2018	1,659	1,659	..	..	..	..	..
	2019	2,291	2,291	..	..	..	..	..
	2020	3,395	3,395	..	..	..	..	..
	2021	3,077	3,077	..	..	..	..	..
Australia	2018	1,475	1,475	..	..	..	..	..
	2019	2,120	2,120	..	..	..	..	..
	2020	3,226	3,226	..	..	..	..	..
	2021	2,926	2,926	..	..	..	..	..
New Zealand	2018	184	184	..	..	..	..	..
	2019	172	172	..	..	..	..	..
	2020	169	169	..	..	..	..	..
	2021	151	151	..	..	..	..	..