

Table 27

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.

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
World	2020	450,769	166,654	15,019	78,966	6,809	-48,716	112,593
	2021	481,238	166,939	16,784	80,030	8,106	-47,648	124,514
	2022	495,597	181,705	18,911	81,931	10,528	-44,158	134,825
	2023	507,577	180,814	19,667	88,030	10,640	-53,977	130,217
Africa	2020	29,140	12,416	253	..	..	-10,469	4,360
	2021	30,983	12,893	327	..	..	-11,913	4,436
	2022	30,107	12,611	359	..	..	-10,621	5,021
	2023	30,891	13,408	469	..	..	-10,875	4,775
Algeria	2020	15,444	7,741	96	..	..	-3,253	4,231
	2021	16,076	8,285	95	..	..	-3,145	4,305
	2022	16,439	8,333	100	..	..	-2,989	4,899
	2023	17,333	9,049	280	..	..	-3,438	4,588
Angola	2020	*2,827	2,337	..	..	..	*-477	..
	2021	*2,411	2,010	..	..	..	*-377	..
	2022	*2,089	1,738	..	..	..	*-343	..
	2023	1,763	1,763	..	..	..	..	..
Cameroon	2020	25	25	..	..	..	..	..
	2021	35	35	..	..	..	..	..
	2022	28	28	..	..	..	..	..
	2023	35	35	..	..	..	..	..
Congo	2020	128	..	..	..	..	-154	99
	2021	131	..	..	..	..	-30	101
	2022	74	..	..	..	..	-20	57
	2023	146	..	..	..	..	-20	113
Côte d'Ivoire	2020	6	6	..	..	..	..	..
	2021	43	43	..	..	..	..	..
	2022	37	3	..	..	..	..	*34
	2023	46	1	..	..	..	..	*45
Egypt	2020	2,875	1,174	..	..	..	-287	..
	2021	2,656	1,174	..	..	..	-261	..
	2022	2,932	1,174	..	..	..	-255	..
	2023	3,152	1,137	..	..	..	-417	..
Equatorial Guinea	2020	478	478	..	..	..	..	..
	2021	376	376	..	..	..	..	..
	2022	409	409	..	..	..	..	..
	2023	320	320	..	..	..	..	..
Ghana	2020	84	84	..	..	..	..	..
	2021	93	93	..	..	..	..	..
	2022	*111	111	..	..	..	..	..
	2023	*98	98	..	..	..	..	..
Libya	2020	1,758	342	157	..	..	-1,259	..
	2021	3,917	379	232	..	..	-3,307	..
	2022	3,673	359	259	..	..	-3,056	..
	2023	3,641	396	189	..	..	-3,056	..
Mozambique	2020	31	..	..	..	..	*-31	..
	2021	30	..	..	..	..	*-30	..
	2022	37	..	..	..	..	*-37	..
	2023	179	..	..	..	..	-165	..
Nigeria	2020	5,314	136	..	..	..	-4,969	..
	2021	5,034	406	..	..	..	-4,708	..
	2022	4,144	406	..	..	..	-3,876	..
	2023	3,991	514	..	..	..	-3,732	..

Table 27

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
South Africa	2020	30	..	..	..	..	..	30
	2021	30	..	..	..	..	..	30
	2022	30	..	..	..	..	..	30
	2023	30	..	..	..	..	..	30
Tunisia	2020	140	93	..	..	..	-39	..
	2021	151	93	..	..	..	-56	..
	2022	101	50	..	..	..	-46	..
	2023	158	95	..	..	..	-48	..
Asia	2020	183,160	68,852	13,917	31,435	175	-32,927	46,808
	2021	206,428	67,645	15,643	29,720	60	-25,175	59,181
	2022	201,770	75,238	17,418	27,370	178	-25,908	61,332
	2023	199,909	69,272	18,277	28,106	237	-37,732	52,650
Azerbaijan	2020	4,199	14	23	..	..	-3,544	619
	2021	5,343	13	23	..	..	-4,192	1,115
	2022	5,014	11	23	..	..	-4,407	573
	2023	5,203	11	25	..	..	-4,555	613
Bahrain	2020	636	..	..	..	..	-627	..
	2021	520	..	..	..	..	-505	..
	2022	553	..	..	..	..	-552	..
	2023	554	..	..	..	..	-513	..
Bangladesh	2020	361	5	..	..	175	..	156
	2021	405	1	..	..	60	..	334
	2022	416	1	..	..	178	..	214
	2023	577	1	..	..	237	..	*316
Brunei Darussalam	2020	432	18	..	..	..	-388	27
	2021	382	17	..	..	..	-365	..
	2022	359	16	..	..	..	-342	..
	2023	356	17	..	..	..	-339	..
India	2020	*4,212	*1,859	975	..	..	..	*1,378
	2021	4,051	*1,649	*971	..	..	..	*1,425
	2022	*3,543	*1,717	*831	..	..	..	*995
	2023	3,482	1,600	958	..	..	..	923
Indonesia	2020	1,063	1,024	..	..	..	..	..
	2021	*1,039	1,039	..	..	..	..	..
	2022	*1,085	1,085	..	..	..	138	..
	2023	*1,017	1,017	..	..	..	-311	..
Iran (Islamic Rep. of)	2020	8,340	6,718	..	7,024	..	..	2,702
	2021	8,744	8,750	..	5,658	..	..	2,833
	2022	9,101	11,044	..	3,951	..	..	2,916
	2023	10,046	11,254	..	5,299	..	..	3,002
Iraq	2020	1,977	1,540	..	..	..	..	437
	2021	2,076	1,617	..	..	..	..	459
	2022	2,170	1,690	..	..	..	..	480
	2023	2,379	1,852	..	..	..	..	526
Japan	2020	185	..	..	..	..	1,232	1,415
	2021	180	..	..	..	..	311	403
	2022	163	..	..	..	..	176	305
	2023	150	..	..	..	..	318	468
Kazakhstan	2020	12,649	1,571	..	..	..	-11,078	..
	2021	12,691	1,195	..	..	1	-223	11,273
	2022	13,645	1,832	..	..	..	-171	11,460
	2023	13,672	1,302	..	..	..	-11,710	417

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Kuwait	2020	8,403	6,248	..	2,155	..	..
	2021	7,070	5,106	..	1,964	..	..
	2022	12,052	6,203	..	2,291	..	1,126	
	2023	12,169	6,731	..	2,173	..	429	
Malaysia	2020	1,837	1,837	..	..	..	..
	2021	1,114	1,114	..	..	..	..
	2022	1,181	1,181	..	..	..	..
	2023	1,377	1,377	..	..	..	..
Myanmar	2020	5	..	*5	..	..	..
	2021	5	..	5	..	..	..
	2022	8	..	8	..	..	..
	2023	8	..	8	..	..	..
Oman	2020	216	216	..	..	..	..
	2021	189	189	..	..	..	..
	2022	210	210	..	..	..	..
	2023	198	198	..	..	..	..
Pakistan	2020	277	277	..	..	..	..
	2021	284	284	..	..	..	..
	2022	441	441	..	..	..	..
	2023	459	459	..	..	..	..
Qatar	2020	38,508	5,757	..	2,618	..	-16,675	13,458
	2021	39,578	6,042	..	2,635	..	-17,099	13,801
	2022	39,749	6,238	..	2,714	..	-17,043	13,755
	2023	36,011	2,137	..	2,863	..	-17,161	13,851
Saudi Arabia	2020	50,315	25,267	8,631	*12,778	..	-157	7,559
	2021	69,268	24,071	8,588	*12,597	..	-696	6,819
	2022	56,543	27,199	8,663	12,669	..	-696	7,316
	2023	52,909	25,500	7,403	11,995	..	-696	7,316
Syrian Arab Republic	2020	95	95	..	..	..	..	..
	2021	95	95	..	..	..	..	..
	2022	93	93	..	..	..	..	..
	2023	91	91	..	..	..	..	..
Thailand	2020	7,555	3,383	..	3,033	..	-39	577
	2021	7,605	3,469	..	3,009	..	-17	572
	2022	5,725	2,938	..	1,870	..	-1	476
	2023	5,894	3,086	..	1,902	..	-18	465
Turkmenistan	2020	968	914	..	..	..	..	169
	2021	981	925	..	..	..	..	171
	2022	968	914	..	..	..	..	169
	2023	944	894	..	..	..	..	165
United Arab Emirates	2020	37,196	11,409	4,283	3,828	..	*-778	16,174
	2021	41,400	11,409	6,056	3,856	..	*-1,576	18,042
	2022	45,755	11,409	7,893	3,875	..	*-2,918	19,660
	2023	50,472	11,409	9,883	3,875	..	*-3,644	21,660
Uzbekistan	2020	2,028	..	..	..	..	108	2,136
	2021	*1,824	..	..	..	..	*110	*1,934
	2022	1,287	..	..	..	..	*600	*1,887
	2023	1,199	..	..	..	..	*1,301	*2,500
Viet Nam	2020	392	372	..	..	..	..	..
	2021	360	360	..	..	..	..	..
	2022	763	763	..	..	..	..	..
	2023	215	215	..	..	..	..	..

Table 27

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Yemen	2020	329	329	..	..	..	..
	2021	301	301	..	..	..	..
	2022	252	252	..	..	..	..
	2023	121	121	..	..	..	..
Europe	2020	47,528	6,336	807	1,707	4	5,348	38,330
	2021	47,665	5,291	771	1,314	4	3,089	38,688
	2022	54,601	4,894	986	544	4	6,114	49,169
	2023	52,692	4,981	878	393	4	6,786	47,056
Austria	2020	14	..	..	..	..	..	14
	2021	11	..	..	..	..	..	11
	2022	11	..	..	..	..	..	11
	2023	10	..	..	..	..	..	10
Belarus	2020	107	103	..	..	4	..	..
	2021	107	103	..	..	4	..	..
	2022	107	104	..	..	4	..	..
	2023	108	104	..	..	4	..	..
Croatia	2020	51	34	17	..	..	..	..
	2021	50	33	17	..	..	..	..
	2022	46	30	16	..	..	..	..
	2023	39	26	13	..	..	..	..
Finland	2020	..	..	..	..	..	647	665
	2021	..	..	..	..	..	587	619
	2022	..	..	..	..	..	713	754
	2023	..	..	..	..	..	911	913
France	2020	..	..	..	..	..	..	..
	2021	..	..	..	..	..	24	..
	2022	..	..	..	..	..	6	..
	2023	..	..	..	..	..	0	..
Hungary	2020	145	35	..	..	..	..	110
	2021	168	39	..	..	..	..	124
	2022	163	28	..	..	..	..	130
	2023	160	21	..	..	..	..	135
Italy	2020	10	..	..	..	..	..	10
	2021	10	..	..	..	..	..	10
	2022	10	..	..	..	..	..	10
	2023	9	..	..	..	..	..	9
Montenegro	2020	..	..	..	..	..	4	..
	2021	..	..	..	..	..	4	..
	2022	..	..	..	..	..	..	..
	2023	..	..	..	..	..	..	..
Netherlands (Kingd. of the)	2020	112	..	..	..	..	6,503	3,606
	2021	98	..	..	..	..	4,617	2,021
	2022	92	..	..	..	..	7,183	3,748
	2023	85	..	..	..	..	7,679	3,405
Norway	2020	8,759	5,073	789	1,012	..	..	..
	2021	7,699	4,340	754	715	..	..	..
	2022	6,405	3,745	970	178	..	..	..
	2023	6,660	3,965	865	116	..	..	..
Romania	2020	123	..	..	..	..	-27	70
	2021	123	..	..	..	..	-27	87
	2022	112	..	..	..	..	-22	68
	2023	104	..	..	..	..	-22	59

Table 27

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Russian Federation	2020	34,099	..	..	..	..	-1,709	32,386
	2021	36,001	..	..	..	..	-1,509	34,492
	2022	44,133	..	..	..	..	-1,555	42,567
	2023	43,233	..	..	..	..	-1,633	41,600
Serbia	2020	32	..	..	..	..	23	54
	2021	28	..	..	..	..	27	53
	2022	26	..	..	..	..	26	53
	2023	24	..	..	..	..	23	47
Slovakia	2020	2	..	..	..	..	..	2
	2021	2	..	..	..	..	..	2
	2022	1	..	..	..	..	..	1
	2023	1	..	..	..	..	..	1
Ukraine	2020	746	..	..	..	..	..	746
	2021	744	..	..	..	..	..	738
	2022	679	..	..	..	..	..	*674
	2023	..	..	..	..	..	..	..
United Kingdom	2020	3,327	1,092	..	695	..	-92	667
	2021	2,625	776	..	599	..	-633	530
	2022	2,817	987	..	366	..	-237	1,153
	2023	2,259	865	..	277	..	-172	879
Latin America & Carib.	2020	24,070	8,828	0	2,851	3,074	-291	5,419
	2021	22,067	8,783	..	2,439	3,023	-275	4,548
	2022	19,491	8,723	..	1,909	3,361	-307	4,435
	2023	20,097	8,919	..	2,086	3,092	-237	4,967
Argentina	2020	*4,129	1,723	..	1,379	..	-277	750
	2021	4,218	1,928	..	1,296	..	-255	739
	2022	4,063	2,107	..	958	..	-296	702
	2023	4,128	2,121	..	1,112	..	-229	665
Belize	2020	1	1	..	..	..	..	..
	2021	..	..	..	..	..	..	..
	2022	..	..	..	..	..	..	..
	2023	..	..	..	..	..	..	..
Bolivia (Plur. State of)	2020	977	433	..	..	..	-14	530
	2021	1,111	506	..	..	..	-20	585
	2022	1,068	516	..	..	..	-11	541
	2023	939	470	..	..	..	-8	460
Brazil	2020	6,142	1,293	0	..	1,147	..	1,546
	2021	5,255	1,306	..	..	1,157	..	810
	2022	3,369	1,282	..	..	1,176	..	911
	2023	3,748	1,396	..	..	1,140	..	1,212
Chile	2020	285	..	..	..	..	..	..
	2021	254	..	..	..	..	..	..
	2022	277	..	..	..	..	..	..
	2023	307	..	..	..	..	..	..
Colombia	2020	442	442	..	..	..	..	..
	2021	447	447	..	..	..	..	..
	2022	458	458	..	..	..	..	..
	2023	430	430	..	..	..	..	..
Ecuador	2020	*151	79	..	..	64	..	8
	2021	*171	95	..	..	68	..	7
	2022	*130	64	..	..	51	..	15
	2023	152	72	..	..	52	..	*28

Table 27

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Mexico	2020	5,875	2,873	..	1,472	..	..	1,420
	2021	4,802	2,503	..	1,143	..	..	1,087
	2022	4,527	2,415	..	951	..	..	810
	2023	4,684	2,571	..	974	..	..	1,032
Peru	2020	3,350	1,273	..	..	1,487	..	..
	2021	3,190	1,277	..	..	1,467	..	..
	2022	3,015	1,155	..	..	1,808	..	..
	2023	3,005	1,134	..	..	1,602	..	..
Trinidad and Tobago	2020	673	360	..	..	350	..	..
	2021	574	303	..	..	305	..	..
	2022	537	269	..	..	288	..	..
	2023	490	249	..	..	258	..	..
Venezuela (Bolivar. Rep.)	2020	2,045	351	..	..	26	..	1,165
	2021	2,045	418	..	..	25	..	1,319
	2022	2,046	456	..	..	37	..	1,457
	2023	2,214	476	..	..	40	..	1,569
Northern America	2020	163,441	66,835	..	42,973	3,556	-10,376	17,677
	2021	170,974	69,250	..	46,557	5,018	-13,374	17,662
	2022	185,955	76,715	..	52,108	6,986	-13,436	14,868
	2023	200,458	80,748	..	57,445	7,307	-11,919	20,768
Canada	2020	18,042	..	..	..	..	-2,792	2,590
	2021	18,426	..	..	..	..	-5,627	2,559
	2022	19,577	..	..	..	..	-6,675	2,992
	2023	19,791	..	..	..	..	-6,001	3,084
United States	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
	2022	166,378	76,715	..	52,108	6,986	-6,761	11,877
	2023	180,668	80,748	..	57,445	7,307	-5,917	17,685
Oceania	2020	3,430	3,387	43	..	..	..	..
	2021	3,120	3,077	43	..	..	0	..
	2022	3,673	3,524	148	..	..	0	..
	2023	3,530	3,487	43	..	..	..	..
Australia	2020	3,226	3,226	..	..	..	..	..
	2021	2,926	2,926	..	..	..	..	..
	2022	3,368	3,368	..	..	..	..	..
	2023	3,344	3,344	..	..	..	..	..
New Zealand	2020	161	161	..	..	..	..	..
	2021	151	151	..	..	..	0	..
	2022	156	156	..	..	..	0	..
	2023	143	143	..	..	..	..	..
Papua New Guinea	2020	43	..	43	..	..	..	..
	2021	43	..	43	..	..	..	..
	2022	149	..	148	..	..	..	..
	2023	*43	..	*43	..	..	..	..