

**Table 26**

**Production of natural gas liquids – by end use**

Thousand metric tons

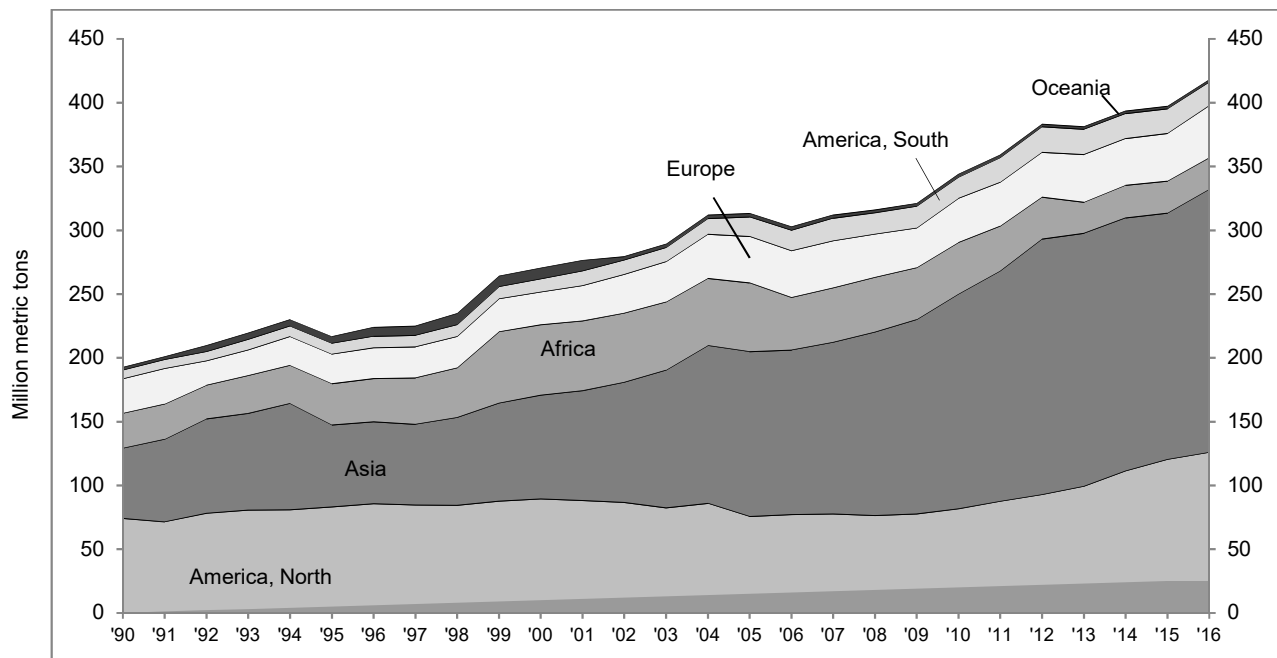
**Table Notes**

**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, 1990-2016**



**Figure 67: Production of natural gas liquids by end-use product, 2016**

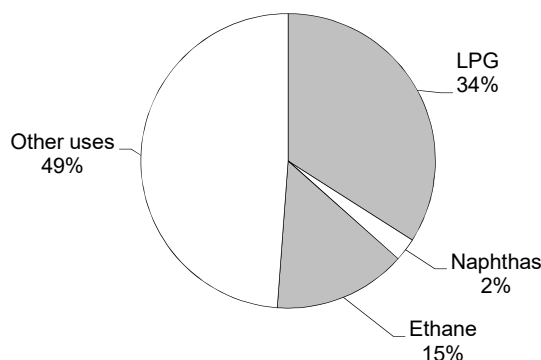


Table 26

## 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		
<b>World</b>	2013	381,261	127,118	16,848	51,683	6,012	-44,352	106,940
	2014	393,563	137,690	18,272	55,205	6,665	-45,958	103,386
	2015	397,279	137,278	11,066	58,140	6,671	-47,217	108,531
	2016	417,992	142,269	10,609	61,081	9,337	-57,726	107,601
<b>Africa</b>	2013	24,272	10,150	1,196	0	..	-9,532	3,288
	2014	25,492	11,375	439	0	..	-8,506	5,239
	2015	25,155	11,471	480	0	..	-8,437	4,967
	2016	24,648	11,485	459	0	..	-8,486	4,267
Algeria	2013	15,656	6,887	171	0	..	-5,416	3,115
	2014	18,318	8,372	168	0	..	-4,805	5,067
	2015	18,346	8,611	120	0	..	-5,016	4,797
	2016	17,924	8,593	101	0	..	-5,209	4,097
Angola	2013	677	677	..	..	..	..	..
	2014	520	520	..	..	..	..	..
	2015	530	543	..	..	..	..	..
	2016	532	*532	..	..	..	..	..
Congo	2013	601	..	..	..	..	-575	26
	2014	730	..	..	..	..	-705	25
	2015	730	..	..	..	..	-707	23
	2016	730	..	..	..	..	-707	23
Côte d'Ivoire	2013	0	0	..	..	..	..	..
	2014	2	2	..	..	..	..	..
	2015	5	5	..	..	..	..	..
	2016	6	6	..	..	..	..	..
Egypt	2013	*1,542	1,542	..	..	..	..	0
	2014	1,462	1,462	..	..	..	..	0
	2015	1,366	1,366	..	..	..	..	..
	2016	1,312	1,312	..	..	..	..	..
Equatorial Guinea	2013	645	645	..	..	..	..	..
	2014	587	587	..	..	..	..	..
	2015	542	542	..	..	..	..	..
	2016	605	605	..	..	..	..	..
Libya	2013	3,541	256	1,025	..	..	-2,260	..
	2014	2,154	292	271	..	..	-1,591	..
	2015	2,097	272	360	..	..	-1,465	..
	2016	2,124	297	358	..	..	-1,469	..
South Africa	2013	147	..	..	..	..	..	147
	2014	147	..	..	..	..	..	147
	2015	147	..	..	..	..	..	147
	2016	147	..	..	..	..	..	147
Tunisia	2013	272	143	..	..	..	-90	..
	2014	245	140	..	..	..	-78	..
	2015	217	132	..	..	..	-74	..
	2016	237	140	..	..	..	-70	..
<b>America, North</b>	2013	99,296	34,706	..	23,278	2,485	-6,225	21,271
	2014	111,231	41,013	..	26,026	2,649	-7,360	20,421
	2015	120,377	47,531	..	26,702	2,853	-8,787	19,992
	2016	125,842	47,228	..	29,861	3,109	-9,463	20,166
Belize	2013	*1	1	..	..	..	..	..
	2014	*1	1	..	..	..	..	..
	2015	*1	1	..	..	..	..	..
	2016	*1	1	..	..	..	..	..

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## 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		
Canada	2013	13,544	..	..	..	..	-2,192	2,599
	2014	13,663	..	..	..	..	-1,422	1,441
	2015	13,807	..	..	..	..	-2,073	1,175
	2016	15,938	..	..	..	..	-2,082	1,156
Curaçao	2013	..	..	..	..	..	36	..
	2014	..	..	..	..	..	44	..
	2015	..	..	..	..	..	56	..
	2016	..	..	..	..	..	51	..
Mexico	2013	10,225	5,366	..	2,264	..	..	2,393
	2014	10,217	5,178	..	2,394	..	..	2,416
	2015	9,218	4,501	..	2,230	..	..	2,296
	2016	8,691	4,181	..	2,216	..	..	2,110
Trinidad and Tobago	2013	1,180	671	..	..	561	..	..
	2014	1,126	647	..	..	526	..	..
	2015	1,032	597	..	..	477	..	..
	2016	865	499	..	..	401	..	..
United States	2013	74,346	28,668	..	21,014	1,924	-4,069	16,279
	2014	86,224	35,187	..	23,632	2,123	-5,982	16,564
	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
<b>America, South</b>	<b>2013</b>	<b>20,012</b>	<b>10,464</b>	..	<b>1,046</b>	<b>3,356</b>	<b>-15</b>	<b>1,699</b>
	<b>2014</b>	<b>19,502</b>	<b>10,462</b>	..	<b>1,034</b>	<b>3,853</b>	<b>0</b>	<b>1,093</b>
	<b>2015</b>	<b>19,410</b>	<b>7,827</b>	..	<b>1,075</b>	<b>3,618</b>	..	<b>4,174</b>
	<b>2016</b>	<b>18,540</b>	<b>7,651</b>	<b>108</b>	<b>1,095</b>	<b>3,465</b>	..	<b>3,674</b>
Argentina	2013	2,839	*1,681	..	1,046	0	..	61
	2014	2,504	1,410	..	1,034	0	..	60
	2015	2,839	1,705	..	1,075	0	..	59
	2016	*2,657	1,523	..	1,095	0	..	39
Bolivia (Plur. State of)	2013	364	270	..	..	..	..	94
	2014	378	312	..	..	..	..	66
	2015	569	279	..	..	..	..	290
	2016	552	400	..	..	..	..	152
Brazil	2013	5,247	1,054	..	..	978	..	..
	2014	5,636	1,189	..	..	1,577	..	..
	2015	5,629	1,431	..	..	1,698	..	..
	2016	5,349	1,450	108	..	1,462	..	..
Chile	2013	160	..	..	..	..	..	..
	2014	76	..	..	..	..	..	..
	2015	38	..	..	..	..	..	..
	2016	41	..	..	..	..	..	..
Colombia	2013	218	204	..	..	..	-15	..
	2014	249	233	..	..	..	0	..
	2015	277	259	..	..	..	..	..
	2016	279	260	..	..	..	..	..
Ecuador	2013	*158	97	..	..	61	..	..
	2014	*150	92	..	..	58	..	..
	2015	*161	96	..	..	65	..	..
	2016	*176	97	..	..	79	..	..
Peru	2013	3,946	1,622	..	..	2,317	..	..
	2014	3,901	1,586	..	..	2,218	..	..
	2015	3,447	1,432	..	..	1,855	..	..
	2016	3,491	1,408	..	..	1,924	..	..

## 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		
Venezuela (Bolivar. Rep.)	2013	7,080	5,536	..	..	..	..	1,544
	2014	6,608	5,641	..	..	..	..	967
	2015	6,450	2,625	..	..	..	..	3,825
	2016	5,995	2,512	..	..	..	..	3,483
<b>Asia</b>	<b>2013</b>	<b>198,411</b>	<b>63,442</b>	<b>15,173</b>	<b>25,011</b>	<b>171</b>	<b>-36,619</b>	<b>51,408</b>
	<b>2014</b>	<b>198,536</b>	<b>66,177</b>	<b>17,097</b>	<b>25,518</b>	<b>163</b>	<b>-39,628</b>	<b>47,730</b>
	<b>2015</b>	<b>192,993</b>	<b>61,333</b>	<b>10,044</b>	<b>27,700</b>	<b>200</b>	<b>-38,213</b>	<b>50,351</b>
	<b>2016</b>	<b>206,240</b>	<b>67,061</b>	<b>8,464</b>	<b>27,305</b>	<b>2,763</b>	<b>-47,077</b>	<b>48,233</b>
Azerbaijan	2013	2,731	..	..	..	..	-2,447	284
	2014	2,633	..	..	..	..	-2,324	309
	2015	2,593	..	..	..	..	-2,267	326
	2016	2,798	..	..	..	..	-2,494	304
Bahrain	2013	336	..	..	..	..	-320	..
	2014	357	..	..	..	..	-354	..
	2015	350	..	..	..	..	-351	..
	2016	356	..	..	..	..	-367	..
Bangladesh	2013	249	8	..	..	138	0	82
	2014	246	7	..	..	136	0	78
	2015	294	7	..	..	178	0	85
	2016	321	8	..	..	154	..	146
Brunei Darussalam	2013	583	16	..	..	..	-412	161
	2014	538	16	..	..	..	-408	117
	2015	621	18	..	..	..	-471	135
	2016	513	16	..	..	..	-435	85
India	2013	4,301	2,140	1,468	..	..	..	..
	2014	*3,245	1,887	1,358	..	..	..	..
	2015	*4,016	489	2,517	..	..	..	..
	2016	*4,295	358	2,339	..	..	..	..
Indonesia	2013	4,320	1,824	..	..	..	-2,567	..
	2014	4,670	2,381	..	..	..	-1,968	913
	2015	4,886	1,631	..	..	..	-1,716	*189
	2016	4,857	1,410	..	..	1,792	649	..
Iran (Islamic Rep. of)	2013	19,092	1,938	..	7,814	..	-9,033	1,640
	2014	23,556	1,995	..	7,702	..	-10,133	1,587
	2015	22,532	1,860	..	10,176	..	-7,625	2,287
	2016	26,429	2,749	..	8,658	..	-16,438	2,243
Iraq	2013	1,497	1,166	..	..	..	..	331
	2014	1,362	1,061	..	..	..	..	301
	2015	1,021	795	..	..	..	..	226
	2016	1,609	1,253	..	..	..	..	356
Japan	2013	289	..	..	..	..	9,882	9,886
	2014	261	..	..	..	..	6,818	6,855
	2015	242	..	..	..	..	6,498	6,489
	2016	236	..	..	..	..	6,004	6,148
Kazakhstan	2013	12,303	1,321	..	..	..	*-10,982	..
	2014	12,918	1,433	..	..	..	*-11,485	..
	2015	12,936	1,241	..	..	..	*-11,695	..
	2016	12,614	*1,267	..	..	..	*-10,952	..
Kuwait	2013	6,415	4,480	..	1,935	..	..	..
	2014	6,377	4,442	..	1,935	..	..	..
	2015	6,680	4,745	..	1,935	..	..	..
	2016	8,089	6,154	..	1,935	..	..	..

Table 26

## 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		
Malaysia	2013	1,237	1,237	..	..	..	..	
	2014	1,649	1,237	..	..	..	..	
	2015	1,522	1,106	..	..	..	..	
	2016	1,893	1,893	..	..	..	..	
Myanmar	2013	9	6	3	..	..	2	
	2014	10	4	4	..	..	1	
	2015	12	4	4	..	..	..	
	2016	13	6	4	..	..	..	
Oman	2013	268	268	..	..	..	..	
	2014	246	246	..	..	..	..	
	2015	241	241	..	..	..	..	
	2016	254	*288	..	..	..	..	
Pakistan	2013	265	265	..	..	..	..	
	2014	277	277	..	..	..	..	
	2015	467	467	..	..	..	..	
	2016	489	489	..	..	..	..	
Qatar	2013	39,872	10,521	..	1,016	..	-19,508	8,827
	2014	39,488	10,606	..	1,397	..	-18,951	8,534
	2015	39,634	9,782	..	1,573	..	-20,008	8,271
	2016	42,527	9,830	..	1,070	..	-22,439	9,188
Saudi Arabia	2013	55,466	25,078	9,200	10,976	..	-671	9,541
	2014	56,893	25,931	10,224	10,914	..	-212	9,612
	2015	45,632	25,931	*2,630	10,517	..	-153	*10,824
	2016	47,854	27,819	*865	12,186	..	-153	9,659
Syrian Arab Republic	2013	133	133	..	..	..	..	..
	2014	95	95	..	..	..	..	..
	2015	76	76	..	..	..	..	..
	2016	76	76	..	..	..	..	..
Thailand	2013	6,192	4,147	..	2,074	..	-170	..
	2014	6,375	4,271	..	2,106	..	-211	..
	2015	6,382	4,216	..	2,199	..	-65	..
	2016	6,415	4,377	..	2,059	..	-54	..
Turkmenistan	2013	918	728	..	..	..	..	190
	2014	937	634	..	..	..	..	303
	2015	980	674	..	..	..	..	306
	2016	934	638	..	..	..	..	296
United Arab Emirates	2013	40,509	7,166	4,502	1,196	..	..	20,466
	2014	35,091	8,771	5,511	1,464	..	..	19,121
	2015	41,231	7,788	4,893	1,300	..	..	21,213
	2016	42,387	*8,364	*5,256	*1,397	..	..	19,808
Viet Nam	2013	325	292	..	..	33	..	..
	2014	282	255	..	..	27	..	..
	2015	178	156	..	..	22	..	..
	2016	817	..	..	..	817	..	..
Yemen	2013	708	708	..	..	..	..	..
	2014	629	629	..	..	..	..	..
	2015	107	107	..	..	..	..	..
	2016	66	66	..	..	..	..	..
<b>Europe</b>	<b>2013</b>	<b>37,258</b>	<b>6,354</b>	<b>479</b>	<b>2,348</b>	..	<b>8,048</b>	<b>29,274</b>
	<b>2014</b>	<b>36,596</b>	<b>6,465</b>	<b>736</b>	<b>2,627</b>	..	<b>9,543</b>	<b>28,903</b>
	<b>2015</b>	<b>37,360</b>	<b>7,140</b>	<b>542</b>	<b>2,663</b>	..	<b>8,229</b>	<b>29,047</b>
	<b>2016</b>	<b>40,901</b>	<b>7,027</b>	<b>1,578</b>	<b>2,820</b>	..	<b>7,305</b>	<b>31,261</b>

## 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		
Austria	2013	30	..	..	..	..	51	81
	2014	23	..	..	..	..	153	175
	2015	21	..	..	..	..	31	53
	2016	6	..	..	..	..	0	6
Belarus	2013	51	..	..	..	..	..	..
	2014	72	..	..	..	..	..	..
	2015	66	..	..	..	..	..	..
	2016	63	..	..	..	..	..	..
Belgium	2013	..	..	..	..	..	360	333
	2014	..	..	..	..	..	544	242
	2015	..	..	..	..	..	114	45
	2016	..	..	..	..	..	58	46
Croatia	2013	61	41	..	0	..	..	20
	2014	54	36	..	0	..	..	18
	2015	56	39	..	0	..	..	17
	2016	59	40	..	..	..	..	19
Finland	2013	..	..	..	..	..	688	780
	2014	..	..	..	..	..	641	652
	2015	..	..	..	..	..	815	765
	2016	..	..	..	..	..	904	938
France	2013	19	..	..	..	..	321	105
	2014	0	..	..	..	..	407	9
	2015	0	..	..	..	..	464	138
	2016	0	..	..	..	..	794	404
Hungary	2013	272	243	..	..	..	116	128
	2014	244	203	..	..	..	106	121
	2015	232	198	..	..	..	120	101
	2016	260	121	..	..	..	0	117
Lithuania	2013	..	..	..	..	..	..	..
	2014	..	..	..	..	..	..	..
	2015	..	..	..	..	..	198	198
	2016	..	..	..	..	..	0	0
Netherlands	2013	397	..	..	..	..	7,624	3,861
	2014	369	..	..	..	..	6,788	2,754
	2015	402	..	..	..	..	6,825	3,693
	2016	291	..	..	..	..	6,401	3,223
Norway	2013	9,007	5,063	479	1,505	..	..	..
	2014	9,517	5,383	736	1,684	..	..	..
	2015	9,848	5,811	542	1,667	..	..	..
	2016	10,263	5,799	1,578	1,636	..	..	..
Romania	2013	88	..	..	..	..	0	83
	2014	89	..	..	..	..	0	84
	2015	101	..	..	..	..	0	96
	2016	116	..	..	..	..	-33	77
Russian Federation	2013	24,205	..	..	..	..	-2,075	22,125
	2014	23,034	..	..	..	..	129	23,155
	2015	23,483	..	..	..	..	-1,122	22,354
	2016	26,019	..	..	..	..	-1,274	24,818
Serbia	2013	36	..	..	..	..	66	103
	2014	36	..	..	..	..	60	96
	2015	31	..	..	..	..	65	96
	2016	33	..	..	..	..	60	93

Table 26

## 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		
Slovakia	2013	3	..	..	..	..	..	3
	2014	3	..	..	..	..	..	3
	2015	2	..	..	..	..	..	2
	2016	2	..	..	..	..	..	2
Ukraine	2013	899	..	..	..	..	32	782
	2014	701	..	..	..	..	..	707
	2015	656	..	..	..	..	..	642
	2016	650	..	..	..	..	14	540
United Kingdom	2013	2,190	1,007	..	843	..	865	870
	2014	2,454	843	..	943	..	715	887
	2015	2,462	1,092	..	996	..	719	847
	2016	3,139	1,067	..	1,184	..	381	978
<b>Oceania</b>	<b>2013</b>	<b>2,012</b>	<b>2,002</b>	..	..	..	<b>-9</b>	..
	<b>2014</b>	<b>2,206</b>	<b>2,197</b>	..	..	..	<b>-7</b>	..
	<b>2015</b>	<b>1,984</b>	<b>1,976</b>	..	..	..	<b>-9</b>	..
	<b>2016</b>	<b>1,821</b>	<b>1,817</b>	..	..	..	<b>-5</b>	..
Australia	2013	1,825	1,825	..	..	..	..	..
	2014	1,987	1,987	..	..	..	..	..
	2015	1,779	1,779	..	..	..	..	..
	2016	1,644	1,644	..	..	..	..	..
New Zealand	2013	187	177	..	..	..	-9	..
	2014	219	210	..	..	..	-7	..
	2015	205	197	..	..	..	-9	..
	2016	177	173	..	..	..	-5	..