Table 4b. U.S. Hydrocarbon Gas Liquids (HGL) and Petroleum Refinery Balances (million barrels per day, except inventories and utilization factor)

U.S. Energy Information Administration | Short-Term Energy Outlook - December 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
HGL production, consumption, and inventories															
Total HGL production	**6.62**	**7.24**	**7.37**	**7.09**	**6.95**	**7.81**	**7.73**	**7.20**	**7.26**	**7.81**	**7.71**	**7.36**	**7.08**	**7.42**	**7.53**
Natural gas processing plant production	**6.17**	**6.43**	**6.64**	**6.74**	**6.51**	**7.01**	**7.03**	**6.84**	**6.79**	**6.96**	**6.94**	**6.99**	**6.50**	**6.85**	**6.92**
Ethane	2.56	2.64	2.67	2.74	2.63	2.92	2.80	2.71	2.70	2.77	2.73	2.81	2.65	2.76	2.75
Propane	1.93	1.99	2.05	2.11	2.05	2.14	2.18	2.20	2.17	2.22	2.21	2.21	2.02	2.14	2.20
Butanes	1.01	1.05	1.09	1.10	1.07	1.12	1.15	1.17	1.18	1.19	1.20	1.20	1.06	1.13	1.19
Natural gasoline (pentanes plus)	0.68	0.75	0.83	0.80	0.75	0.84	0.89	0.76	0.74	0.78	0.81	0.77	0.76	0.81	0.78
Refinery and blender net production	**0.47**	**0.83**	**0.75**	**0.36**	**0.46**	**0.82**	**0.73**	**0.37**	**0.50**	**0.86**	**0.78**	**0.39**	**0.60**	**0.60**	**0.63**
Ethane/ethylene	0.01	0.00	0.01	0.02	0.01	-0.01	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
Propane	0.27	0.29	0.28	0.27	0.27	0.28	0.28	0.27	0.29	0.31	0.30	0.29	0.28	0.27	0.30
Propylene (refinery-grade)	0.24	0.26	0.25	0.26	0.24	0.27	0.26	0.27	0.27	0.28	0.27	0.27	0.25	0.26	0.27
Butanes/butylenes	-0.05	0.29	0.21	-0.19	-0.05	0.28	0.21	-0.19	-0.07	0.27	0.20	-0.19	0.07	0.06	0.05
Renewable/oxygenate plant net production of natural gasoli	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.02**
Total HGL consumption	**3.53**	**3.32**	**3.32**	**3.85**	**3.80**	**3.39**	**3.40**	**3.75**	**3.85**	**3.34**	**3.39**	**3.87**	**3.50**	**3.58**	**3.61**
Ethane/Ethylene	2.07	2.19	2.11	2.26	2.24	2.26	2.27	2.25	2.23	2.25	2.26	2.27	2.16	2.26	2.25
Propane	0.98	0.56	0.62	0.96	1.02	0.53	0.52	0.92	1.11	0.54	0.58	1.02	0.78	0.75	0.81
Propylene (refinery-grade)	0.25	0.27	0.27	0.28	0.26	0.28	0.27	0.29	0.29	0.29	0.28	0.29	0.27	0.27	0.29
Butanes/butylenes	0.23	0.30	0.33	0.34	0.28	0.31	0.33	0.30	0.22	0.26	0.26	0.30	0.30	0.30	0.26
HGL net imports	**-2.48**	**-2.48**	**-2.50**	**-2.59**	**-2.59**	**-2.68**	**-2.76**	**-2.80**	**-2.84**	**-3.00**	**-2.91**	**-2.80**	**-2.51**	**-2.71**	**-2.89**
Ethane	-0.48	-0.49	-0.50	-0.41	-0.48	-0.46	-0.49	-0.50	-0.50	-0.51	-0.51	-0.55	-0.47	-0.48	-0.52
Propane/propylene	-1.44	-1.44	-1.46	-1.64	-1.60	-1.61	-1.67	-1.71	-1.61	-1.77	-1.70	-1.62	-1.50	-1.65	-1.68
Butanes/butylenes	-0.39	-0.38	-0.40	-0.41	-0.41	-0.47	-0.46	-0.43	-0.52	-0.55	-0.54	-0.47	-0.40	-0.44	-0.52
Natural gasoline (pentanes plus)	-0.16	-0.17	-0.13	-0.14	-0.11	-0.13	-0.14	-0.16	-0.20	-0.16	-0.16	-0.17	-0.15	-0.14	-0.17
HGL inventories (million barrels)	**173.9**	**225.7**	**277.2**	**223.3**	**169.2**	**235.1**	**277.4**	**228.9**	**188.4**	**238.8**	**277.8**	**234.9**	**223.3**	**228.9**	**234.9**
Ethane	54.5	51.5	57.3	65.8	58.3	75.3	77.2	74.1	71.8	73.6	71.2	71.5	65.8	74.1	71.5
Propane	55.22	79.2	101.4	79.7	51.7	75.1	97.9	82.3	56.6	73.6	92.8	79.4	79.7	82.3	79.4
Propylene (at refineries only)	1.13	1.1	1.2	0.9	0.9	1.3	1.3	1.3	1.2	1.5	1.7	1.5	0.9	1.3	1.5
Butanes/butylenes	40.3	70.5	90.0	50.1	35.1	59.2	76.4	48.9	39.2	69.3	90.5	61.7	50.1	48.9	61.7
Natural gasoline (pentanes plus)	22.9	23.4	27.3	26.8	23.2	24.2	24.6	22.3	19.6	20.7	21.5	20.8	26.8	22.3	20.8
Refining															
Total refinery and blender net inputs	**17.58**	**18.89**	**18.91**	**18.24**	**17.61**	**19.03**	**19.06**	**18.69**	**17.45**	**18.85**	**18.90**	**18.03**	**18.41**	**18.60**	**18.31**
Crude oil	15.25	16.15	16.52	15.93	15.39	16.47	16.54	16.34	15.49	16.23	16.38	15.79	15.97	16.19	15.97
HGL	0.66	0.49	0.56	0.78	0.69	0.56	0.60	0.74	0.62	0.47	0.53	0.72	0.62	0.64	0.59
Other hydrocarbons/oxygenates	1.13	1.20	1.21	1.18	1.12	1.20	1.20	1.17	1.12	1.18	1.20	1.17	1.18	1.17	1.17
Unfinished oils	0.19	0.20	-0.01	0.11	-0.03	0.09	0.08	0.18	-0.05	0.15	0.17	0.13	0.12	0.08	0.10
Motor gasoline blending components	0.36	0.85	0.64	0.23	0.43	0.71	0.64	0.26	0.27	0.82	0.62	0.24	0.52	0.51	0.49
Refinery Processing Gain	**0.97**	**1.00**	**1.06**	**1.05**	**0.91**	**0.97**	**0.98**	**1.06**	**0.99**	**1.02**	**1.03**	**1.03**	**1.02**	**0.98**	**1.02**
Total refinery and blender net production	**18.56**	**19.89**	**19.98**	**19.29**	**18.52**	**20.00**	**20.03**	**19.75**	**18.44**	**19.87**	**19.92**	**19.06**	**19.43**	**19.58**	**19.33**
HGL	0.47	0.83	0.75	0.36	0.46	0.82	0.73	0.37	0.50	0.86	0.78	0.39	0.60	0.60	0.63
Finished motor gasoline	9.29	9.83	9.81	9.65	9.24	9.80	9.73	9.73	9.04	9.62	9.64	9.46	9.65	9.63	9.44
Jet fuel	1.62	1.72	1.78	1.71	1.70	1.84	1.87	1.81	1.73	1.82	1.82	1.70	1.71	1.81	1.77
Distillate fuel oil	4.69	4.89	4.96	5.03	4.57	4.95	5.08	5.14	4.64	4.86	4.91	4.88	4.89	4.94	4.82
Residual fuel oil	0.27	0.27	0.27	0.28	0.37	0.31	0.29	0.31	0.29	0.29	0.30	0.29	0.27	0.32	0.30
Other oils (a)	2.21	2.35	2.40	2.26	2.17	2.28	2.33	2.39	2.25	2.40	2.47	2.33	2.30	2.29	2.36
Refinery distillation inputs	**15.76**	**16.74**	**17.02**	**16.47**	**15.80**	**16.96**	**16.95**	**16.65**	**15.92**	**16.64**	**16.84**	**16.21**	**16.50**	**16.59**	**16.40**
Refinery operable distillation capacity	**18.12**	**18.27**	**18.27**	**18.32**	**18.39**	**18.33**	**18.33**	**18.34**	**18.17**	**18.08**	**18.08**	**18.03**	**18.25**	**18.35**	**18.09**
Refinery distillation utilization factor	**0.87**	**0.92**	**0.93**	**0.90**	**0.86**	**0.93**	**0.92**	**0.91**	**0.88**	**0.92**	**0.93**	**0.90**	**0.90**	**0.90**	**0.91**

(a) Other oils include aviation gasoline blending components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

Notes:

EIA completed modeling and analysis for this report on December 5, 2024.

- = no data available

The approximate break between historical and forecast values is shown with historical data with no shading; estimates and forecasts are shaded gray.

Minor discrepancies with published historical data are due to independent rounding.

Sources: