

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 - May 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
HGL Production															
Natural Gas Processing Plants															
Ethane	2.49	2.65	2.63	2.71	2.59	2.75	2.76	2.74	2.73	2.78	2.73	2.82	2.62	2.71	2.77
Propane	1.89	2.00	2.05	2.10	2.01	2.01	2.04	2.08	2.11	2.14	2.14	2.15	2.01	2.04	2.13
Butanes	0.99	1.06	1.09	1.10	1.06	1.08	1.10	1.12	1.12	1.14	1.15	1.16	1.06	1.09	1.14
Natural Gasoline (Pentanes Plus)	0.64	0.73	0.81	0.79	0.72	0.69	0.72	0.69	0.67	0.71	0.75	0.71	0.74	0.71	0.71
Refinery and Blender Net Production															
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	0.01	0.01
Propane	0.27	0.29	0.28	0.27	0.27	0.28	0.28	0.27	0.28	0.30	0.29	0.28	0.28	0.28	0.29
Propylene (refinery-grade)	0.24	0.26	0.25	0.26	0.25	0.28	0.27	0.28	0.27	0.28	0.27	0.28	0.25	0.27	0.28
Butanes/Butylenes	-0.05	0.28	0.21	-0.19	-0.06	0.26	0.20	-0.19	-0.08	0.27	0.20	-0.19	0.07	0.05	0.05
Renewable Fuels and Oxygenate Plant Net Production															
Natural Gasoline (Pentanes Plus)	-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
HGL Net Imports															
Ethane	-0.50	-0.49	-0.50	-0.40	-0.50	-0.51	-0.50	-0.50	-0.50	-0.51	-0.51	-0.55	-0.47	-0.50	-0.52
Propane/Propylene	-1.40	-1.40	-1.45	-1.65	-1.60	-1.49	-1.42	-1.46	-1.55	-1.57	-1.50	-1.49	-1.47	-1.49	-1.53
Butanes/Butylenes	-0.42	-0.41	-0.42	-0.41	-0.41	-0.48	-0.47	-0.37	-0.45	-0.50	-0.50	-0.42	-0.42	-0.43	-0.47
Natural Gasoline (Pentanes Plus)	-0.15	-0.09	-0.06	-0.11	-0.11	-0.14	-0.14	-0.16	-0.19	-0.14	-0.14	-0.15	-0.10	-0.14	-0.15
HGL Refinery and Blender Net Inputs															
Butanes/Butylenes	0.48	0.29	0.35	0.57	0.46	0.30	0.35	0.56	0.46	0.30	0.34	0.55	0.42	0.42	0.41
Natural Gasoline (Pentanes Plus)	0.18	0.20	0.21	0.21	0.19	0.17	0.18	0.18	0.16	0.17	0.18	0.18	0.20	0.18	0.17
HGL Consumption															
Ethane/Ethylene	1.99	2.19	2.07	2.25	2.24	2.23	2.25	2.26	2.23	2.24	2.26	2.27	2.13	2.24	2.25
Propane	0.98	0.62	0.62	0.95	1.04	0.57	0.66	1.02	1.10	0.64	0.70	1.05	0.79	0.82	0.87
Propylene (refinery-grade)	0.25	0.27	0.27	0.28	0.26	0.30	0.29	0.29	0.30	0.30	0.29	0.29	0.27	0.29	0.29
Butanes/Butylenes	0.18	0.28	0.29	0.34	0.25	0.25	0.26	0.29	0.22	0.26	0.25	0.30	0.27	0.26	0.26
Natural Gasoline (Pentanes Plus)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HGL Inventories (million barrels)															
Ethane	53.0	54.2	52.4	68.0	55.0	54.1	56.1	56.8	56.3	60.2	58.9	60.4	56.9	55.5	59.0
Propane	55.8	79.2	102.2	79.8	46.4	66.8	86.4	73.4	48.4	66.8	86.9	74.7	79.8	73.4	74.7
Propylene (at refineries only)	1.1	1.1	1.2	0.9	0.9	1.3	1.6	1.5	1.4	1.6	1.8	1.6	0.9	1.5	1.6
Butanes/Butylenes	40.2	70.1	90.2	50.1	37.0	64.5	82.5	53.5	43.7	74.0	95.2	66.3	50.1	53.5	66.3
Natural Gasoline (Pentanes Plus)	22.9	23.4	27.4	26.8	23.8	24.5	24.8	23.5	20.7	21.8	22.5	21.7	26.8	23.5	21.7
Refinery and Blender Net Inputs															
Crude Oil	15.25	16.15	16.51	15.93	15.38	16.20	16.20	15.75	15.23	16.09	16.09	15.66	15.96	15.88	15.77
Hydrocarbon Gas Liquids	0.66	0.49	0.56	0.78	0.65	0.47	0.54	0.74	0.63	0.46	0.52	0.72	0.62	0.60	0.58
Other Hydrocarbons/Oxygenates	1.13	1.20	1.21	1.18	1.12	1.20	1.20	1.17	1.14	1.20	1.19	1.17	1.18	1.17	1.18
Unfinished Oils	0.19	0.21	0.00	0.12	-0.01	0.30	0.31	0.29	0.08	0.29	0.30	0.27	0.13	0.22	0.24
Motor Gasoline Blend Components	0.34	0.85	0.64	0.23	0.46	0.89	0.73	0.28	0.39	0.60	0.57	0.33	0.52	0.59	0.47
Aviation Gasoline Blend Components	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Refinery and Blender Net Inputs	17.58	18.90	18.92	18.25	17.61	19.06	18.97	18.23	17.47	18.65	18.68	18.16	18.41	18.47	18.24
Refinery Processing Gain															
.....	0.97	1.01	1.07	1.05	0.94	1.04	1.05	1.04	0.97	1.03	1.06	1.05	1.03	1.02	1.03
Refinery and Blender Net Production															
Hydrocarbon Gas Liquids	0.47	0.83	0.75	0.36	0.47	0.85	0.76	0.37	0.49	0.86	0.78	0.38	0.60	0.61	0.63
Finished Motor Gasoline	9.28	9.83	9.81	9.64	9.25	9.85	9.82	9.66	9.15	9.50	9.53	9.59	9.64	9.65	9.44
Jet Fuel	1.62	1.72	1.78	1.71	1.68	1.74	1.76	1.68	1.65	1.73	1.77	1.68	1.71	1.71	1.71
Distillate Fuel	4.69	4.91	4.99	5.04	4.56	4.87	4.89	4.95	4.59	4.88	4.88	4.91	4.91	4.82	4.81
Residual Fuel	0.27	0.27	0.27	0.28	0.38	0.34	0.29	0.26	0.29	0.28	0.30	0.26	0.27	0.32	0.28
Other Oils (a)	2.21	2.35	2.40	2.26	2.21	2.45	2.49	2.36	2.27	2.44	2.49	2.38	2.30	2.38	2.40
Total Refinery and Blender Net Production	18.54	19.91	19.99	19.30	18.54	20.10	20.02	19.28	18.43	19.67	19.74	19.20	19.44	19.49	19.27
Refinery Distillation Inputs															
.....	15.78	16.75	17.02	16.47	15.75	16.59	16.63	16.15	15.64	16.48	16.53	16.06	16.51	16.28	16.18
Refinery Operable Distillation Capacity															
.....	18.12	18.27	18.27	18.32	18.35	18.19	18.20	18.20	17.94	17.94	17.94	17.94	18.25	18.24	17.94
Refinery Distillation Utilization Factor															
.....	0.87	0.92	0.93	0.90	0.86	0.91	0.91	0.89	0.87	0.92	0.92	0.90	0.90	0.89	0.90

(a) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

- = no data available

Notes: EIA completed modeling and analysis for this report on May 2, 2024.

The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208.

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

Forecasts: EIA Short-Term Integrated Forecasting System.