

Table A11. Petroleum and other liquids supply and disposition
(million barrels per day, unless otherwise noted)

Supply and disposition	Reference case							Annual growth 2013-2040 (percent)
	2012	2013	2020	2025	2030	2035	2040	
Crude oil								
Domestic crude production ¹	6.50	7.44	10.60	10.28	10.04	9.38	9.43	0.9%
Alaska	0.53	0.52	0.42	0.32	0.24	0.18	0.34	-1.6%
Lower 48 states	5.98	6.92	10.18	9.96	9.80	9.20	9.09	1.0%
Net imports	8.46	7.60	5.51	6.09	6.44	7.35	7.58	0.0%
Gross imports	8.53	7.73	6.14	6.72	7.07	7.98	8.21	0.2%
Exports	0.07	0.13	0.63	0.63	0.63	0.63	0.63	5.9%
Other crude supply ²	0.04	0.27	0.00	0.00	0.00	0.00	0.00	--
Total crude supply	15.00	15.30	16.11	16.37	16.48	16.73	17.01	0.4%
Net product imports	-1.05	-1.37	-2.80	-3.24	-3.56	-3.94	-4.26	--
Gross refined product imports ³	0.82	0.82	1.21	1.28	1.31	1.31	1.26	1.6%
Unfinished oil imports	0.60	0.66	0.60	0.56	0.52	0.49	0.45	-1.4%
Blending component imports	0.62	0.60	0.59	0.55	0.49	0.45	0.40	-1.5%
Exports	3.08	3.43	5.20	5.63	5.89	6.18	6.36	2.3%
Refinery processing gain ⁴	1.06	1.09	0.98	1.00	0.97	0.99	0.98	-0.4%
Product stock withdrawal	-0.07	0.11	0.00	0.00	0.00	0.00	0.00	--
Natural gas plant liquids	2.41	2.61	4.04	4.16	4.19	4.13	4.07	1.7%
Supply from renewable sources	0.88	0.93	1.01	1.01	1.01	1.04	1.12	0.7%
Ethanol	0.82	0.83	0.84	0.84	0.84	0.87	0.95	0.5%
Domestic production	0.84	0.85	0.86	0.86	0.86	0.87	0.93	0.4%
Net imports	-0.02	-0.02	-0.02	-0.02	-0.02	0.00	0.02	--
Stock withdrawal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Biodiesel	0.06	0.10	0.14	0.11	0.11	0.11	0.11	0.4%
Domestic production	0.06	0.09	0.13	0.10	0.10	0.10	0.10	0.3%
Net imports	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Stock withdrawal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Other biomass-derived liquids ⁵	0.00	0.00	0.03	0.06	0.06	0.06	0.06	31.9%
Domestic production	0.00	0.00	0.03	0.06	0.06	0.06	0.06	31.9%
Net imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Stock withdrawal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Liquids from gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Liquids from coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Other ⁶	0.19	0.21	0.28	0.29	0.30	0.31	0.32	1.6%
Total primary supply⁷	18.43	18.87	19.62	19.59	19.38	19.26	19.24	0.1%
Product supplied								
by fuel								
Liquefied petroleum gases and other ⁸	2.30	2.50	2.91	3.19	3.30	3.27	3.25	1.0%
Motor gasoline ⁹	8.69	8.85	8.49	7.89	7.41	7.16	7.05	-0.8%
of which: E85 ¹⁰	0.01	0.01	0.02	0.08	0.13	0.16	0.19	9.9%
Jet fuel ¹¹	1.40	1.43	1.55	1.64	1.75	1.82	1.87	1.0%
Distillate fuel oil ¹²	3.74	3.83	4.26	4.31	4.34	4.38	4.38	0.5%
of which: Diesel	3.46	3.56	3.94	4.02	4.09	4.15	4.17	0.6%
Residual fuel oil	0.37	0.32	0.27	0.28	0.28	0.28	0.28	-0.4%
Other ¹³	1.97	2.04	2.18	2.30	2.33	2.37	2.43	0.7%
by sector								
Residential and commercial	0.82	0.86	0.76	0.71	0.67	0.64	0.61	-1.3%
Industrial ¹⁴	4.49	4.69	5.50	5.90	6.04	6.04	6.09	1.0%
Transportation	13.04	13.36	13.46	13.08	12.79	12.71	12.66	-0.2%
Electric power ¹⁵	0.10	0.12	0.08	0.08	0.08	0.08	0.08	-1.4%
Unspecified sector ¹⁶	0.02	-0.12	-0.15	-0.16	-0.17	-0.17	-0.17	--
Total product supplied	18.47	18.96	19.65	19.61	19.41	19.29	19.27	0.1%
Discrepancy ¹⁷	-0.03	-0.10	-0.03	-0.02	-0.03	-0.03	-0.03	--

Table A11. Petroleum and other liquids supply and disposition (continued)
(million barrels per day, unless otherwise noted)

Supply and disposition	Reference case							Annual growth 2013-2040 (percent)
	2012	2013	2020	2025	2030	2035	2040	
Domestic refinery distillation capacity ¹⁸	17.4	17.8	18.8	18.8	18.8	18.8	18.8	0.2%
Capacity utilization rate (percent) ¹⁹	88.7	88.3	87.8	89.0	89.4	90.7	92.0	0.2%
Net import share of product supplied (percent).....	40.1	33.0	13.7	14.5	14.8	17.7	17.4	-2.3%
Net expenditures for imported crude oil and petroleum products (billion 2013 dollars)	345	308	167	211	259	339	405	1.0%

¹Includes lease condensate.

²Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude oil stock withdrawals.

³Includes other hydrocarbons and alcohols.

⁴The volumetric amount by which total output is greater than input due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

⁵Includes pyrolysis oils, biomass-derived Fischer-Tropsch liquids, biobutanol, and renewable feedstocks used for the on-site production of diesel and gasoline.

⁶Includes domestic sources of other blending components, other hydrocarbons, and ethers.

⁷Total crude supply, net product imports, refinery processing gain, product stock withdrawal, natural gas plant liquids, supply from renewable sources, liquids from gas, liquids from coal, and other supply.

⁸Includes ethane, natural gasoline, and refinery olefins.

⁹Includes ethanol and ethers blended into gasoline.

¹⁰E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

¹¹Includes only kerosene type.

¹²Includes distillate fuel oil from petroleum and biomass feedstocks.

¹³Includes kerosene, aviation gasoline, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, methanol, and miscellaneous petroleum products.

¹⁴Includes energy for combined heat and power plants that have a non-regulatory status, and small on-site generating systems.

¹⁵Includes consumption of energy by electricity-only and combined heat and power plants that have a regulatory status.

¹⁶Represents consumption unattributed to the sectors above.

¹⁷Balancing item. Includes unaccounted for supply, losses, and gains.

¹⁸End-of-year operable capacity.

¹⁹Rate is calculated by dividing the gross annual input to atmospheric crude oil distillation units by their operable refining capacity in barrels per calendar day.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2012 and 2013 are model results and may differ from official EIA data reports.

Sources: 2012 and 2013 product supplied based on: U.S. Energy Information Administration (EIA), *Monthly Energy Review*, DOE/EIA-0035(2014/11) (Washington, DC, November 2014). Other 2012 data: EIA, *Petroleum Supply Annual 2012*, DOE/EIA-0340(2012)/1 (Washington, DC, September 2013). Other 2013 data: EIA, *Petroleum Supply Annual 2013*, DOE/EIA-0340(2013)/1 (Washington, DC, September 2014). Projections: EIA, AEO2015 National Energy Modeling System run REF2015.D021915A.