

Table A14. Oil and gas supply

Production and supply	Reference case							Annual growth 2012-2040 (percent)
	2011	2012	2020	2025	2030	2035	2040	
Crude oil								
Lower 48 average wellhead price¹ (2012 dollars per barrel)	98.12	94.94	92.93	104.90	114.69	125.59	137.63	1.3%
Production (million barrels per day)²								
United States total	5.66	6.49	9.55	9.00	8.30	7.87	7.48	0.5%
Lower 48 onshore	3.66	4.60	7.21	7.04	6.38	5.79	5.23	0.5%
Tight oil ³	1.31	2.25	4.79	4.54	4.17	3.69	3.20	1.3%
Carbon dioxide enhanced oil recovery	0.28	0.28	0.36	0.47	0.58	0.66	0.74	3.6%
Other	2.07	2.07	2.06	2.03	1.63	1.44	1.29	-1.7%
Lower 48 offshore	1.43	1.37	1.90	1.64	1.68	1.70	1.99	1.4%
Alaska	0.57	0.53	0.44	0.33	0.24	0.38	0.26	-2.5%
Lower 48 end of year reserves² (billion barrels).....	25.10	24.71	31.78	33.01	34.42	34.58	35.45	1.3%
Natural gas plant liquids production (million barrels per day)								
United States total	2.22	2.40	2.65	2.87	2.98	3.05	2.98	0.8%
Lower 48 onshore	0.00	2.31	2.42	2.66	2.75	2.81	2.71	0.6%
Lower 48 offshore	0.15	0.14	0.20	0.19	0.22	0.22	0.26	2.3%
Alaska	0.05	0.05	0.03	0.02	0.01	0.02	0.02	-4.1%
Natural gas								
Natural gas spot price at Henry Hub (2012 dollars per million Btu)	4.07	2.75	4.38	5.23	6.03	6.92	7.65	3.7%
Dry production (trillion cubic feet)⁴								
United States total	22.55	24.06	29.09	31.86	34.43	36.09	37.54	1.6%
Lower 48 onshore	20.35	22.07	26.65	29.52	30.82	32.46	33.43	1.5%
Associated-dissolved ⁵	1.67	2.06	2.65	2.60	2.25	2.06	1.91	-0.3%
Non-associated	18.68	20.02	24.00	26.92	28.57	30.39	31.52	1.6%
Tight gas	5.01	4.86	6.48	7.06	8.06	8.53	8.41	2.0%
Shale gas	7.94	9.72	13.33	15.99	16.92	18.50	19.82	2.6%
Coalbed methane	1.73	1.58	1.66	1.61	1.61	1.64	1.71	0.3%
Other	4.00	3.86	2.53	2.25	1.98	1.72	1.58	-3.1%
Lower 48 offshore	1.86	1.66	2.16	2.09	2.42	2.46	2.95	2.1%
Associated-dissolved ⁵	0.51	0.48	0.68	0.56	0.58	0.59	0.71	1.4%
Non-associated	1.35	1.18	1.48	1.53	1.84	1.87	2.24	2.3%
Alaska	0.33	0.33	0.28	0.26	1.19	1.17	1.17	4.6%
Lower 48 end of year dry reserves⁴ (trillion cubic feet).....	324.64	320.09	352.47	368.52	382.58	393.60	402.59	0.8%
Supplemental gas supplies (trillion cubic feet)⁶	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.1%
Total lower 48 wells drilled (thousands).....	41.81	42.49	50.46	60.06	59.28	61.73	61.57	1.3%

¹Represents lower 48 onshore and offshore supplies.

²Includes lease condensate.

³Tight oil represents resources in low-permeability reservoirs, including shale and chalk formations. The specific plays included in the tight oil category are Bakken/Three Forks/Sanish, Eagle Ford, Woodford, Austin Chalk, Spraberry, Niobrara, Avalon/Bone Springs, and Monterey.

⁴Marketed production (wet) minus extraction losses.

⁵Gas which occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved).

⁶Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Note: Totals may not equal sum of components due to independent rounding. Data for 2011 and 2012 are model results and may differ from official EIA data reports.

Sources: 2011 and 2012 crude oil lower 48 average wellhead price: U.S. Energy Information Administration (EIA), *Petroleum Marketing Monthly*, DOE/EIA-0380(2013/08) (Washington, DC, August 2013). 2011 and 2012 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: EIA, *Petroleum Supply Annual 2012*, DOE/EIA-0340(2012)/1 (Washington, DC, September 2013). 2011 U.S. crude oil and natural gas reserves: EIA, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216(2010) (Washington, DC, August 2012). 2011 Alaska and total natural gas production, and supplemental gas supplies: EIA, *Natural Gas Annual 2011*, DOE/EIA-0131(2011) (Washington, DC, December 2012). 2011 and 2012 natural gas spot price at Henry Hub: Thomson Reuters. 2012 Alaska and total natural gas production, and supplemental gas supplies: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2013/06) (Washington, DC, June 2013). Other 2011 and 2012 values: EIA, Office of Energy Analysis. Projections: EIA, AEO2014 National Energy Modeling System run REF2014.D102413A.