

Table A21. International petroleum and other liquids supply, disposition, and prices
(million barrels per day, unless otherwise noted)

Supply, disposition, and prices	Reference case							Annual growth 2013-2040 (percent)
	2012	2013	2020	2025	2030	2035	2040	
Crude oil spot prices								
(2013 dollars per barrel)								
Brent.....	113	109	79	91	106	122	141	1.0%
West Texas Intermediate.....	96	98	73	85	99	116	136	1.2%
(nominal dollars per barrel)								
Brent.....	112	109	90	112	142	180	229	2.8%
West Texas Intermediate.....	94	98	83	105	133	171	220	3.0%
Petroleum and other liquids consumption¹								
OECD								
United States (50 states).....	18.47	18.96	19.65	19.61	19.41	19.29	19.27	0.1%
United States territories.....	0.29	0.30	0.31	0.32	0.34	0.36	0.38	1.0%
Canada.....	2.29	2.29	2.31	2.25	2.21	2.17	2.14	-0.3%
Mexico and Chile.....	2.50	2.46	2.71	2.78	2.80	2.83	2.92	0.6%
OECD Europe ²	14.07	13.96	14.20	14.15	14.09	14.03	14.12	0.0%
Japan.....	4.73	4.56	4.27	4.18	4.03	3.86	3.65	-0.8%
South Korea.....	2.41	2.43	2.58	2.57	2.53	2.46	2.40	0.0%
Australia and New Zealand.....	1.17	1.16	1.16	1.12	1.11	1.11	1.15	-0.1%
Total OECD consumption.....	45.93	46.14	47.20	46.97	46.52	46.10	46.04	0.0%
Non-OECD								
Russia.....	3.20	3.30	3.31	3.24	3.23	3.17	3.01	-0.3%
Other Europe and Eurasia ³	2.00	2.06	2.22	2.28	2.39	2.50	2.59	0.9%
China.....	10.29	10.67	13.13	14.75	17.03	18.92	20.19	2.4%
India.....	3.63	3.70	4.30	4.89	5.52	6.13	6.79	2.3%
Other Asia ⁴	7.35	7.37	9.08	10.69	12.35	14.20	16.49	3.0%
Middle East.....	7.32	7.61	8.40	8.81	9.56	10.28	11.13	1.4%
Africa.....	3.36	3.42	3.93	4.28	4.78	5.39	6.18	2.2%
Brazil.....	2.93	3.11	3.33	3.44	3.74	4.09	4.50	1.4%
Other Central and South America.....	3.35	3.38	3.49	3.55	3.72	3.90	4.15	0.8%
Total non-OECD consumption.....	43.41	44.60	51.20	55.92	62.31	68.58	75.01	1.9%
Total consumption.....	89.3	90.7	98.4	102.9	108.8	114.7	121.0	1.1%
Petroleum and other liquids production								
OPEC ⁵								
Middle East.....	26.29	26.32	24.56	26.23	29.34	33.12	36.14	1.2%
North Africa.....	3.37	2.90	3.51	3.56	3.67	3.85	4.06	1.3%
West Africa.....	4.40	4.26	5.00	5.16	5.24	5.33	5.43	0.9%
South America.....	2.99	3.01	3.10	3.16	3.27	3.49	3.79	0.9%
Total OPEC production.....	37.05	36.49	36.16	38.10	41.53	45.79	49.42	1.1%
Non-OPEC								
OECD								
United States (50 states).....	11.04	12.64	16.92	16.74	16.52	15.84	15.89	0.8%
Canada.....	4.00	4.15	5.05	5.68	6.26	6.61	6.76	1.8%
Mexico and Chile.....	2.96	2.94	2.93	3.12	3.32	3.52	3.79	0.9%
OECD Europe ²	4.04	3.88	3.35	3.06	2.98	2.97	3.19	-0.7%
Japan and South Korea.....	0.18	0.18	0.17	0.17	0.18	0.18	0.18	0.1%
Australia and New Zealand.....	0.57	0.49	0.60	0.80	0.86	0.91	0.96	2.5%
Total OECD production.....	22.80	24.29	29.03	29.58	30.12	30.03	30.77	0.9%
Non-OECD								
Russia.....	10.52	10.50	10.71	10.78	11.22	11.81	12.16	0.5%
Other Europe and Eurasia ³	3.20	3.27	3.41	4.14	4.42	4.70	5.18	1.7%
China.....	4.39	4.48	5.11	5.46	5.66	5.75	5.84	1.0%
Other Asia ⁴	3.88	3.82	3.85	3.72	3.67	3.71	4.01	0.2%
Middle East.....	1.31	1.20	1.03	0.93	0.85	0.78	0.77	-1.6%
Africa.....	2.31	2.41	2.70	2.86	2.94	3.03	3.33	1.2%
Brazil.....	2.61	2.73	3.70	4.56	5.43	5.90	6.12	3.0%
Other Central and South America.....	2.17	2.21	2.71	2.76	2.97	3.16	3.47	1.7%
Total non-OECD production.....	30.38	30.63	33.21	35.22	37.17	38.85	40.88	1.1%
Total petroleum and other liquids production.....	90.2	91.4	98.4	102.9	108.8	114.7	121.1	1.0%
OPEC market share (percent).....	41.1	39.9	36.7	37.0	38.2	39.9	40.8	--

Table A21. International petroleum and other liquids supply, disposition, and prices (continued)
(million barrels per day, unless otherwise noted)

Supply, disposition, and prices	Reference case							Annual growth 2013-2040 (percent)
	2012	2013	2020	2025	2030	2035	2040	
Selected world production subtotals:								
Crude oil and equivalents ⁶	77.35	77.93	82.19	85.20	89.77	94.33	99.09	0.9%
Tight oil	2.63	3.62	7.49	8.31	9.16	9.82	10.15	3.9%
Bitumen ⁷	1.94	2.11	3.00	3.52	3.95	4.21	4.26	2.6%
Refinery processing gain ⁸	2.37	2.40	2.42	2.61	2.74	2.88	2.97	0.8%
Natural gas plant liquids	9.11	9.36	11.28	11.93	12.42	12.93	13.79	1.4%
Liquids from renewable sources ⁹	1.93	2.14	2.56	2.92	3.36	3.78	4.22	2.5%
Liquids from coal ¹⁰	0.21	0.21	0.33	0.51	0.69	0.87	1.05	6.2%
Liquids from natural gas ¹¹	0.14	0.24	0.33	0.43	0.51	0.57	0.61	3.5%
Liquids from kerogen ¹²	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.7%
Crude oil production⁶								
OPEC ⁵								
Middle East	23.24	23.13	21.20	22.66	25.59	29.11	31.79	1.2%
North Africa	2.91	2.43	2.93	2.93	2.92	2.93	2.96	0.7%
West Africa	4.34	4.20	4.89	5.05	5.13	5.21	5.29	0.9%
South America	2.80	2.82	2.86	2.86	2.98	3.20	3.48	0.8%
Total OPEC production	33.30	32.60	31.89	33.51	36.62	40.46	43.52	1.1%
Non-OPEC								
OECD								
United States (50 states)	7.54	8.90	11.58	11.28	11.01	10.37	10.41	0.6%
Canada	3.28	3.42	4.35	4.93	5.48	5.83	5.92	2.0%
Mexico and Chile	2.61	2.59	2.61	2.81	3.00	3.22	3.45	1.1%
OECD Europe ²	2.99	2.82	2.17	1.80	1.66	1.58	1.69	-1.9%
Japan and South Korea	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.6%
Australia and New Zealand	0.45	0.37	0.47	0.61	0.67	0.71	0.75	2.7%
Total OECD production	16.87	18.10	21.18	21.44	21.83	21.71	22.23	0.8%
Non-OECD								
Russia	10.04	10.02	10.15	10.11	10.42	10.85	11.10	0.4%
Other Europe and Eurasia ³	2.95	3.05	3.18	3.83	4.03	4.21	4.66	1.6%
China	4.07	4.16	4.54	4.68	4.56	4.36	4.13	0.0%
Other Asia ⁴	3.14	3.04	2.94	2.63	2.45	2.38	2.47	-0.8%
Middle East	1.26	1.16	1.00	0.90	0.82	0.76	0.74	-1.6%
Africa	1.88	1.97	2.18	2.31	2.38	2.45	2.70	1.2%
Brazil	2.06	2.02	2.87	3.50	4.16	4.47	4.60	3.1%
Other Central and South America	1.77	1.81	2.25	2.29	2.49	2.67	2.94	1.8%
Total non-OECD production	27.18	27.24	29.11	30.25	31.32	32.15	33.35	0.8%
Total crude oil production⁶	77.3	77.9	82.2	85.2	89.8	94.3	99.1	0.9%
OPEC market share (percent)	43.1	41.8	38.8	39.3	40.8	42.9	43.9	--

¹Estimated consumption. Includes both OPEC and non-OPEC consumers in the regional breakdown.

²OECD Europe = Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³Other Europe and Eurasia = Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Kazakhstan, Kosovo, Kyrgyzstan, Latvia, Lithuania, Macedonia, Malta, Moldova, Montenegro, Romania, Serbia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

⁴Other Asia = Afghanistan, Bangladesh, Bhutan, Brunei, Cambodia (Kampuchea), Fiji, French Polynesia, Guam, Hong Kong, India (for production), Indonesia, Kiribati, Laos, Malaysia, Macau, Maldives, Mongolia, Myanmar (Burma), Nauru, Nepal, New Caledonia, Niue, North Korea, Pakistan, Papua New Guinea, Philippines, Samoa, Singapore, Solomon Islands, Sri Lanka, Taiwan, Thailand, Tonga, Vanuatu, and Vietnam.

⁵OPEC = Organization of the Petroleum Exporting Countries = Algeria, Angola, Ecuador, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

⁶Includes crude oil, lease condensate, tight oil (shale oil), extra-heavy oil, and bitumen (oil sands).

⁷Includes diluted and upgraded/synthetic bitumen (syncrude).

⁸The 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.

⁹Includes liquids produced from energy crops.

¹⁰Includes liquids converted from coal via the Fischer-Tropsch coal-to-liquids process.

¹¹Includes liquids converted from natural gas via the Fischer-Tropsch gas-to-liquids process.

¹²Includes liquids produced from kerogen (oil shale, not to be confused with tight oil (shale oil)).

OECD = Organization for Economic Cooperation and Development.

-- = 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 Brent and West Texas Intermediate crude oil spot prices: Thomson Reuters. 2012 quantities derived from: Energy Information Administration (EIA), International Energy Statistics database as of September 2014. **2013 quantities and projections:** EIA, AEO2015 National Energy Modeling System run REF2015.D021915A and EIA, Generate World Oil Balance application.