

**Table E12. World unconventional liquids production by region and country, Traditional High Oil Price case, 2007-2035**  
(Million barrels per day)

Region/country	History (estimates)			Projections					Average annual percent change, 2008-2035
	2007	2008	2009	2015	2020	2025	2030	2035	
<b>OPEC<sup>a</sup></b>	<b>0.6</b>	<b>0.7</b>	<b>0.5</b>	<b>1.1</b>	<b>1.4</b>	<b>1.6</b>	<b>1.7</b>	<b>1.8</b>	<b>3.8</b>
Biofuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Extra-heavy oil (Venezuela)	0.6	0.7	0.5	0.9	1.2	1.3	1.4	1.6	3.3
Coal-to-liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Gas-to-liquids (primarily Qatar)	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	15.3
<b>Non-OPEC</b>	<b>2.8</b>	<b>3.2</b>	<b>3.6</b>	<b>6.5</b>	<b>8.7</b>	<b>11.6</b>	<b>14.6</b>	<b>17.4</b>	<b>6.4</b>
<b>OECD</b>	<b>2.0</b>	<b>2.4</b>	<b>2.7</b>	<b>5.1</b>	<b>6.7</b>	<b>8.7</b>	<b>10.7</b>	<b>12.4</b>	<b>6.3</b>
Biofuels	0.6	0.9	1.0	1.4	1.9	2.6	3.2	3.7	5.5
Oil sands/bitumen (Canada)	1.4	1.5	1.7	3.6	4.5	5.3	6.0	6.5	5.5
Extra-heavy oil (Mexico)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	9.5
Coal-to-liquids	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.6	31.4
Gas-to-liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	--
Shale oil	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	--
<b>Non-OECD</b>	<b>0.7</b>	<b>0.9</b>	<b>1.0</b>	<b>1.4</b>	<b>2.1</b>	<b>2.9</b>	<b>3.9</b>	<b>5.0</b>	<b>6.8</b>
Biofuels	0.5	0.6	0.8	1.1	1.5	2.0	2.3	2.5	5.1
Extra-heavy oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Coal-to-liquids	0.2	0.2	0.2	0.2	0.4	0.9	1.6	2.5	10.6
Gas-to-liquids	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	1.4
Shale oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
<b>World</b>									
Biofuels	1.2	1.5	1.8	2.5	3.4	4.6	5.5	6.2	5.4
Oil sands/bitumen	1.4	1.5	1.7	3.6	4.5	5.3	6.0	6.5	5.5
Extra-heavy oil	0.6	0.7	0.5	1.0	1.3	1.4	1.5	1.7	3.5
Coal-to-liquids	0.2	0.2	0.2	0.3	0.7	1.5	2.7	4.1	12.7
Gas-to-liquids	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	8.0
Shale oil	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	16.3
<b>World total</b>	<b>3.4</b>	<b>3.9</b>	<b>4.2</b>	<b>7.6</b>	<b>10.2</b>	<b>13.1</b>	<b>16.3</b>	<b>19.2</b>	<b>6.1</b>
<b>Selected country highlights</b>									
<b>Biofuels</b>									
Brazil	0.3	0.5	0.6	0.9	1.3	1.6	1.8	1.9	5.3
China	0.2	0.0	0.0	0.0	0.1	0.2	0.3	0.3	7.9
India	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.8
United States	0.5	0.7	0.8	1.2	1.6	2.3	2.9	3.3	6.3
<b>Coal-to-liquids</b>									
Australia and New Zealand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
China	0.0	0.0	0.0	0.0	0.1	0.5	1.2	2.1	32.7
Germany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
India	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	--
South Africa	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	2.1
United States	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.6	--
<b>Gas-to-liquids</b>									
Qatar	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	14.8
South Africa	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	1.1

<sup>a</sup>OPEC=Organization of the Petroleum Exporting Countries (OPEC-13).

Sources: History: U.S. Energy Information Administration (EIA), Office of Energy Markets and End Use. Projections: EIA, Generate World Oil Balance Model (2011).