

**Table G9. World other liquid fuels<sup>a</sup> production by region and country, Low Oil Price case, 2011–40**  
(million barrels per day, unless otherwise noted)

Region/country	History (estimates)		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
<b>OPEC<sup>b</sup></b>	<b>3.7</b>	<b>3.8</b>	<b>4.3</b>	<b>4.5</b>	<b>4.5</b>	<b>4.9</b>	<b>4.8</b>	<b>0.8</b>
Natural gas plant liquids	3.6	3.7	4.0	4.2	4.4	4.8	4.7	0.8
Liquids from renewable sources <sup>c</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Liquids from coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Liquids from natural gas	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.3
Refinery gain	0.0	0.0	0.0	0.0	0.1	0.1	0.1	—
<b>Non-OPEC</b>	<b>9.9</b>	<b>10.2</b>	<b>12.8</b>	<b>13.3</b>	<b>13.9</b>	<b>14.4</b>	<b>15.0</b>	<b>1.4</b>
<b>OECD</b>	<b>6.6</b>	<b>6.8</b>	<b>8.6</b>	<b>8.7</b>	<b>8.8</b>	<b>8.7</b>	<b>8.6</b>	<b>0.9</b>
Natural gas plant liquids	3.6	3.8	5.3	5.3	5.3	5.2	5.0	1.0
Liquids from renewable sources <sup>c</sup>	1.3	1.3	1.5	1.5	1.6	1.6	1.6	0.9
Liquids from coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Liquids from natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Liquids from kerogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Refinery processing gain	1.7	1.7	1.8	1.9	1.9	1.9	2.0	0.5
<b>Non-OECD</b>	<b>3.3</b>	<b>3.4</b>	<b>4.1</b>	<b>4.6</b>	<b>5.2</b>	<b>5.8</b>	<b>6.4</b>	<b>2.3</b>
Natural gas plant liquids	1.8	1.8	2.1	2.4	2.6	2.9	3.3	2.1
Liquids from renewable sources <sup>c</sup>	0.6	0.7	0.9	1.1	1.4	1.7	1.9	3.9
Liquids from coal	0.2	0.2	0.3	0.1	0.0	0.0	0.0	—
Liquids from natural gas	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-3.8
Refinery gain	0.6	0.7	0.9	1.0	1.1	1.2	1.2	2.2
<b>Total World</b>	<b>13.7</b>	<b>14.0</b>	<b>17.1</b>	<b>17.9</b>	<b>18.5</b>	<b>19.3</b>	<b>19.9</b>	<b>1.3</b>
<b>Natural gas plant liquids</b>	<b>9.0</b>	<b>9.4</b>	<b>11.3</b>	<b>11.9</b>	<b>12.3</b>	<b>12.8</b>	<b>13.0</b>	<b>1.2</b>
United States	2.2	2.4	3.9	4.0	4.0	3.9	3.7	1.5
Russia	0.6	0.6	0.6	0.7	0.8	1.0	1.2	2.3
<b>Liquids from renewable sources<sup>c</sup></b>	<b>1.9</b>	<b>1.9</b>	<b>2.4</b>	<b>2.7</b>	<b>3.0</b>	<b>3.3</b>	<b>3.5</b>	<b>2.2</b>
Brazil	0.4	0.4	0.5	0.7	0.8	0.9	1.0	3.1
China	0.0	0.0	0.1	0.2	0.3	0.4	0.4	9.0
India	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.8
United States	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.4
<b>Liquids from coal</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>—</b>
Australia and New Zealand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
China	0.0	0.0	0.1	0.1	0.0	0.0	0.0	—
Germany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
India	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
South Africa	0.2	0.2	0.2	0.0	0.0	0.0	0.0	—
United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
<b>Liquids from natural gas</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>-0.5</b>
Qatar	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.3
South Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
<b>Refinery processing gain</b>	<b>2.4</b>	<b>2.4</b>	<b>2.8</b>	<b>2.9</b>	<b>3.0</b>	<b>3.1</b>	<b>3.2</b>	<b>1.0</b>
United States	1.1	1.1	1.2	1.2	1.2	1.3	1.3	0.7
China	0.3	0.3	0.4	0.4	0.5	0.5	0.6	2.4

<sup>a</sup>Other liquid fuels include natural gas plant liquids, liquids from renewable sources (biofuels, including ethanol, biodiesel, and biomass-to-liquids [BTL]), liquids from natural gas (gas-to-liquids [GTL]), liquids from coal (coal-to-liquids [CTL]), and liquids from kerogen (oil shale).

<sup>b</sup>OPEC=Organization of the Petroleum Exporting Countries (OPEC-12). Indonesia reactivated its OPEC membership on January 1, 2016, but this is not reflected in the IEO2016 projections. Indonesia is reported as part of non-OPEC, non-OECD Asia.

<sup>c</sup>Liquids from renewable sources (biofuels) include ethanol, biodiesel, and biomass-to-liquids (BTL). All values, including ethanol, are reported on a volume basis.

Notes: Totals may not equal sum of components due to independent rounding.

Source File: \\nem6\D\IEO2015\_GWOB\Final\_Files\GWOB\_HighPriceCase-IEO.xlsm]A6. Other Liquids.