

**Table 4d. U.S. Biofuel Supply, Consumption, and Inventories**  
U.S. Energy Information Administration | Short-Term Energy Outlook - September 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
<b>Supply (million barrels per day)</b>															
<b>Total biofuels supply</b> .....	<b>1.18</b>	<b>1.29</b>	<b>1.29</b>	<b>1.28</b>	<b>1.24</b>	<b>1.32</b>	<b>1.33</b>	<b>1.33</b>	<b>1.27</b>	<b>1.34</b>	<b>1.33</b>	<b>1.35</b>	<b>1.26</b>	<b>1.31</b>	<b>1.32</b>
Fuel ethanol production .....	1.00	1.00	1.01	1.05	1.04	1.01	1.06	1.04	1.04	1.03	1.02	1.04	1.02	1.04	1.03
Biodiesel production .....	0.10	0.12	0.11	0.11	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.10	0.11	0.11	0.10
Renewable diesel production .....	0.14	0.17	0.18	0.18	0.19	0.21	0.22	0.22	0.22	0.24	0.24	0.24	0.17	0.21	0.24
Other biofuel production (a) .....	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.02	0.02	0.04
Fuel ethanol net imports .....	-0.09	-0.09	-0.08	-0.10	-0.12	-0.13	-0.10	-0.10	-0.12	-0.10	-0.09	-0.10	-0.09	-0.11	-0.10
Biodiesel net imports .....	0.02	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.00	-0.01	-0.01	0.00	0.02	0.02	-0.01
Renewable diesel net imports (b) .....	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02
Other biofuel net imports (b) .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuel stock draw .....	-0.03	0.05	0.00	-0.03	-0.06	0.05	-0.01	0.00	-0.02	0.01	0.00	0.00	0.00	0.00	0.00
<b>Total distillate fuel oil supply (c)</b> .....	<b>4.24</b>	<b>4.19</b>	<b>4.10</b>	<b>4.15</b>	<b>4.10</b>	<b>4.04</b>	<b>4.15</b>	<b>4.25</b>	<b>4.26</b>	<b>4.25</b>	<b>4.24</b>	<b>4.31</b>	<b>4.17</b>	<b>4.13</b>	<b>4.26</b>
Distillate fuel production .....	4.69	4.89	4.96	5.03	4.57	4.95	5.00	4.93	4.56	4.84	4.86	4.87	4.89	4.86	4.78
Biodiesel production .....	0.10	0.12	0.11	0.11	0.10	0.11	0.11	0.10	0.09	0.10	0.11	0.10	0.11	0.11	0.10
Renewable diesel production .....	0.14	0.17	0.18	0.18	0.19	0.21	0.22	0.22	0.22	0.24	0.24	0.24	0.17	0.21	0.24
Distillate fuel oil net imports .....	-0.75	-0.96	-1.06	-1.02	-0.86	-1.20	-1.21	-0.94	-0.66	-0.87	-0.93	-0.86	-0.95	-1.05	-0.83
Biodiesel net imports .....	0.02	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.00	-0.01	-0.01	0.00	0.02	0.02	-0.01
Renewable diesel net imports .....	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02
Total distillate fuel stock draw .....	0.06	0.01	-0.08	-0.14	0.09	-0.02	0.07	-0.06	0.08	-0.02	0.01	-0.02	-0.04	0.02	0.01
<b>Consumption (million barrels per day)</b>															
<b>Total biofuels consumption</b> .....	<b>1.18</b>	<b>1.29</b>	<b>1.29</b>	<b>1.28</b>	<b>1.24</b>	<b>1.32</b>	<b>1.33</b>	<b>1.33</b>	<b>1.27</b>	<b>1.34</b>	<b>1.33</b>	<b>1.35</b>	<b>1.26</b>	<b>1.31</b>	<b>1.32</b>
Fuel ethanol blended into motor gasoline .....	0.90	0.94	0.94	0.94	0.88	0.93	0.95	0.94	0.90	0.95	0.94	0.94	0.93	0.92	0.93
Biodiesel consumption .....	0.11	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.09	0.09	0.10	0.10	0.13	0.12	0.09
Biodiesel product supplied (d) .....	0.07	0.08	0.09	0.08	0.08	0.08	0.07	0.07	0.05	0.05	0.05	0.06	0.08	0.08	0.05
Biodiesel net inputs (e) .....	0.04	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04
Renewable diesel consumption .....	0.15	0.20	0.20	0.19	0.21	0.24	0.25	0.25	0.24	0.26	0.25	0.26	0.19	0.24	0.26
Renewable diesel product supplied .....	0.14	0.19	0.19	0.18	0.21	0.23	0.24	0.24	0.23	0.25	0.24	0.25	0.18	0.23	0.25
Renewable diesel net inputs .....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Other biofuel consumption .....	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.02	0.02	0.04
<b>Total motor gasoline consumption</b> .....	<b>8.69</b>	<b>9.13</b>	<b>9.02</b>	<b>8.94</b>	<b>8.57</b>	<b>9.12</b>	<b>9.14</b>	<b>8.86</b>	<b>8.66</b>	<b>9.15</b>	<b>9.05</b>	<b>8.79</b>	<b>8.94</b>	<b>8.92</b>	<b>8.91</b>
Petroleum-based gasoline .....	7.79	8.19	8.09	8.00	7.69	8.19	8.19	7.92	7.77	8.20	8.11	7.86	8.02	8.00	7.98
Fuel ethanol blended into motor gasoline .....	0.90	0.94	0.94	0.94	0.88	0.93	0.95	0.94	0.90	0.95	0.94	0.94	0.93	0.92	0.93
<b>Total distillate fuel oil consumption (f)</b> .....	<b>4.24</b>	<b>4.19</b>	<b>4.10</b>	<b>4.15</b>	<b>4.11</b>	<b>4.04</b>	<b>4.15</b>	<b>4.25</b>	<b>4.26</b>	<b>4.25</b>	<b>4.24</b>	<b>4.31</b>	<b>4.17</b>	<b>4.13</b>	<b>4.26</b>
Distillate fuel oil .....	4.03	3.92	3.83	3.88	3.82	3.73	3.84	3.94	3.98	3.95	3.94	4.00	3.92	3.83	3.97
Petroleum-based distillate .....	3.97	3.86	3.77	3.83	3.77	3.66	3.79	3.88	3.93	3.90	3.89	3.94	3.86	3.78	3.91
Biodiesel net inputs (g) .....	0.04	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04
Renewable diesel net inputs .....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Biodiesel product supplied (h) .....	0.07	0.08	0.09	0.08	0.08	0.08	0.07	0.07	0.05	0.05	0.05	0.06	0.08	0.08	0.05
Renewable diesel product supplied (h) .....	0.14	0.19	0.19	0.18	0.21	0.23	0.24	0.24	0.23	0.25	0.24	0.25	0.18	0.23	0.25
<b>End-of-period inventories (million barrels)</b>															
<b>Total biofuels inventories</b> .....	<b>34.28</b>	<b>30.08</b>	<b>30.22</b>	<b>33.11</b>	<b>38.23</b>	<b>33.36</b>	<b>34.15</b>	<b>34.42</b>	<b>36.48</b>	<b>35.24</b>	<b>34.97</b>	<b>35.24</b>	<b>33.11</b>	<b>34.42</b>	<b>35.24</b>
Ethanol .....	24.97	22.31	22.16	23.50	27.19	22.61	23.54	23.82	25.87	24.64	24.37	24.64	23.50	23.82	24.64
Biodiesel .....	5.06	3.98	3.58	3.83	4.40	3.73	3.95	3.95	3.95	3.95	3.95	3.95	3.83	3.95	3.95
Renewable diesel .....	3.68	3.70	4.10	4.71	6.32	6.38	6.15	6.19	6.19	6.19	6.19	6.19	4.05	6.26	6.19
Other biofuels .....	0.31	0.33	0.32	0.31	0.30	0.40	0.47	0.47	0.47	0.47	0.47	0.47	0.32	0.41	0.47
<b>Total distillate fuel oil inventories</b> .....	<b>120.67</b>	<b>119.39</b>	<b>126.64</b>	<b>139.79</b>	<b>131.86</b>	<b>133.41</b>	<b>127.41</b>	<b>132.73</b>	<b>125.90</b>	<b>127.54</b>	<b>126.44</b>	<b>127.83</b>	<b>139.79</b>	<b>132.73</b>	<b>127.83</b>
Distillate fuel oil .....	111.69	111.99	118.84	130.49	121.16	123.12	117.27	122.59	115.76	117.41	116.30	117.69	130.49	122.59	117.69
Biodiesel .....	5.06	3.98	3.58	3.83	4.40	3.73	3.95	3.95	3.95	3.95	3.95	3.95	3.83	3.95	3.95
Renewable diesel .....	3.68	3.70	4.10	4.71	6.32	6.38	6.15	6.19	6.19	6.19	6.19	6.19	4.05	6.26	6.19

(a) Includes renewable heating oil, renewable jet fuel (sustainable aviation fuel, alternative jet fuel, and biojet), renewable naphtha, renewable gasoline, and other emerging biofuels that are in various stages of development and commercialization

(b) Renewable diesel net imports and other biofuel net imports equal imports because we do not collect or receive export data for those fuels.

(c) Total distillate fuel oil supply equals the sum of the seven components shown minus refiner and blender net inputs of biodiesel and renewable diesel, which are listed in rows 44 and 45 of this table.

(d) The volumes of renewable fuels that are not reported as blended with petroleum fuels.

(e) The volumes of renewable fuels that are reported as blended with petroleum fuels.

(f) Equals the sum of distillate fuel oil, biodiesel product supplied, and renewable diesel product supplied.

(g) Prior to 2021, we did not publish biodiesel product supplied and instead included it as part of distillate fuel oil product supplied.

(h) Prior to 2021, we did not publish renewable diesel product supplied, and STEO values for that period are taken from the U.S. Environmental Protection Agency's Moderated Transaction System.

**Notes:**

EIA completed modeling and analysis for this report on September 5, 2024.

- = no data available

The approximate break between historical and forecast values is shown with historical data with no shading; estimates and forecasts are shaded gray.

Minor discrepancies with published historical data are due to independent rounding.

**Sources:**

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: Petroleum Supply Monthly, DOE/EIA-0109; Petroleum Supply Annual, DOE/EIA-0340/2; and Weekly Petroleum Status Report, DOE/EIA-0208.

Forecasts: EIA Short-Term Integrated Forecasting System.