

**Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)**

Energy Information Administration/Short-Term Energy Outlook - October 2009

	2008				2009				2010				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2008	2009	2010
<b>Supply</b>															
Hydroelectric Power (a) .....	<b>0.591</b>	<b>0.754</b>	<b>0.602</b>	<b>0.506</b>	<b>0.618</b>	<b>0.823</b>	<b>0.601</b>	<i>0.541</i>	<i>0.667</i>	<i>0.782</i>	<i>0.611</i>	<i>0.548</i>	<b>2.452</b>	2.584	2.607
Geothermal .....	<b>0.085</b>	<b>0.091</b>	<b>0.092</b>	<b>0.090</b>	<b>0.088</b>	<b>0.086</b>	<b>0.091</b>	<i>0.092</i>	<i>0.091</i>	<i>0.092</i>	<i>0.096</i>	<i>0.095</i>	<b>0.358</b>	0.357	0.374
Solar .....	<b>0.022</b>	<b>0.024</b>	<b>0.024</b>	<b>0.022</b>	<b>0.021</b>	<b>0.023</b>	<b>0.024</b>	<i>0.022</i>	<i>0.022</i>	<i>0.024</i>	<i>0.026</i>	<i>0.022</i>	<b>0.091</b>	0.090	0.095
Wind .....	<b>0.124</b>	<b>0.149</b>	<b>0.096</b>	<b>0.145</b>	<b>0.167</b>	<b>0.173</b>	<b>0.134</b>	<i>0.138</i>	<i>0.203</i>	<i>0.216</i>	<i>0.165</i>	<i>0.170</i>	<b>0.514</b>	0.611	0.754
Wood .....	<b>0.507</b>	<b>0.506</b>	<b>0.521</b>	<b>0.507</b>	<b>0.482</b>	<b>0.473</b>	<b>0.519</b>	<i>0.509</i>	<i>0.486</i>	<i>0.461</i>	<i>0.507</i>	<i>0.506</i>	<b>2.041</b>	1.983	1.961
Ethanol (b) .....	<b>0.174</b>	<b>0.190</b>	<b>0.207</b>	<b>0.214</b>	<b>0.203</b>	<b>0.215</b>	<b>0.240</b>	<i>0.241</i>	<i>0.240</i>	<i>0.249</i>	<i>0.256</i>	<i>0.258</i>	<b>0.784</b>	0.900	1.003
Biodiesel (b) .....	<b>0.018</b>	<b>0.022</b>	<b>0.025</b>	<b>0.022</b>	<b>0.013</b>	<b>0.014</b>	<b>0.019</b>	<i>0.020</i>	<i>0.020</i>	<i>0.023</i>	<i>0.023</i>	<i>0.023</i>	<b>0.087</b>	0.066	0.088
Other Renewables .....	<b>0.110</b>	<b>0.108</b>	<b>0.107</b>	<b>0.106</b>	<b>0.108</b>	<b>0.106</b>	<b>0.117</b>	<i>0.111</i>	<i>0.122</i>	<i>0.111</i>	<i>0.123</i>	<i>0.120</i>	<b>0.431</b>	0.441	0.476
Total .....	<b>1.631</b>	<b>1.842</b>	<b>1.673</b>	<b>1.612</b>	<b>1.701</b>	<b>1.913</b>	<b>1.737</b>	<i>1.674</i>	<i>1.852</i>	<i>1.958</i>	<i>1.806</i>	<i>1.742</i>	<b>6.758</b>	7.024	7.358
<b>Consumption</b>															
<b>Electric Power Sector</b>															
Hydroelectric Power (a) .....	<b>0.584</b>	<b>0.748</b>	<b>0.598</b>	<b>0.502</b>	<b>0.613</b>	<b>0.817</b>	<b>0.598</b>	<i>0.538</i>	<i>0.662</i>	<i>0.776</i>	<i>0.607</i>	<i>0.544</i>	<b>2.432</b>	2.566	2.589
Geothermal .....	<b>0.074</b>	<b>0.079</b>	<b>0.081</b>	<b>0.079</b>	<b>0.077</b>	<b>0.074</b>	<b>0.079</b>	<i>0.081</i>	<i>0.080</i>	<i>0.080</i>	<i>0.084</i>	<i>0.084</i>	<b>0.312</b>	0.311	0.328
Solar .....	<b>0.001</b>	<b>0.003</b>	<b>0.003</b>	<b>0.001</b>	<b>0.001</b>	<b>0.003</b>	<b>0.003</b>	<i>0.001</i>	<i>0.001</i>	<i>0.004</i>	<i>0.005</i>	<i>0.002</i>	<b>0.008</b>	0.008	0.012
Wind .....	<b>0.124</b>	<b>0.149</b>	<b>0.096</b>	<b>0.145</b>	<b>0.167</b>	<b>0.173</b>	<b>0.134</b>	<i>0.138</i>	<i>0.203</i>	<i>0.216</i>	<i>0.165</i>	<i>0.170</i>	<b>0.514</b>	0.611	0.754
Wood .....	<b>0.047</b>	<b>0.041</b>	<b>0.047</b>	<b>0.045</b>	<b>0.044</b>	<b>0.041</b>	<b>0.048</b>	<i>0.047</i>	<i>0.047</i>	<i>0.043</i>	<i>0.050</i>	<i>0.048</i>	<b>0.181</b>	0.180	0.188
Other Renewables .....	<b>0.061</b>	<b>0.061</b>	<b>0.060</b>	<b>0.059</b>	<b>0.060</b>	<b>0.060</b>	<b>0.063</b>	<i>0.065</i>	<i>0.066</i>	<i>0.070</i>	<i>0.075</i>	<i>0.074</i>	<b>0.242</b>	0.247	0.284
Subtotal .....	<b>0.892</b>	<b>1.082</b>	<b>0.885</b>	<b>0.831</b>	<b>0.962</b>	<b>1.167</b>	<b>0.923</b>	<i>0.869</i>	<i>1.059</i>	<i>1.189</i>	<i>0.987</i>	<i>0.922</i>	<b>3.690</b>	3.921	4.156
<b>Industrial Sector</b>															
Hydroelectric Power (a) .....	<b>0.007</b>	<b>0.005</b>	<b>0.004</b>	<b>0.004</b>	<b>0.005</b>	<b>0.006</b>	<b>0.003</b>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.004</i>	<i>0.004</i>	<b>0.019</b>	0.017	0.017
Geothermal .....	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<b>0.005</b>	0.005	0.005
Wood and Wood Waste .....	<b>0.320</b>	<b>0.325</b>	<b>0.332</b>	<b>0.321</b>	<b>0.299</b>	<b>0.292</b>	<b>0.330</b>	<i>0.319</i>	<i>0.298</i>	<i>0.280</i>	<i>0.318</i>	<i>0.316</i>	<b>1.298</b>	1.240	1.210
Other Renewables .....	<b>0.040</b>	<b>0.039</b>	<b>0.039</b>	<b>0.039</b>	<b>0.039</b>	<b>0.038</b>	<b>0.044</b>	<i>0.038</i>	<i>0.048</i>	<i>0.032</i>	<i>0.039</i>	<i>0.038</i>	<b>0.157</b>	0.158	0.158
Subtotal .....	<b>0.371</b>	<b>0.374</b>	<b>0.380</b>	<b>0.368</b>	<b>0.347</b>	<b>0.341</b>	<b>0.382</b>	<i>0.366</i>	<i>0.356</i>	<i>0.323</i>	<i>0.366</i>	<i>0.363</i>	<b>1.492</b>	1.436	1.408
<b>Commercial Sector</b>															
Hydroelectric Power (a) .....	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<b>0.001</b>	0.001	0.001
Geothermal .....	<b>0.004</b>	<b>0.004</b>	<b>0.004</b>	<b>0.004</b>	<b>0.004</b>	<b>0.004</b>	<b>0.004</b>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<b>0.015</b>	0.015	0.015
Wood and Wood Waste .....	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<i>0.021</i>	<i>0.020</i>	<i>0.017</i>	<i>0.018</i>	<i>0.021</i>	<b>0.072</b>	0.075	0.075
Other Renewables .....	<b>0.008</b>	<b>0.008</b>	<b>0.008</b>	<b>0.008</b>	<b>0.009</b>	<b>0.008</b>	<b>0.009</b>	<i>0.009</i>	<i>0.008</i>	<i>0.009</i>	<i>0.009</i>	<i>0.008</i>	<b>0.032</b>	0.035	0.034
Subtotal .....	<b>0.031</b>	<b>0.031</b>	<b>0.030</b>	<b>0.030</b>	<b>0.032</b>	<b>0.030</b>	<b>0.032</b>	<i>0.034</i>	<i>0.032</i>	<i>0.031</i>	<i>0.031</i>	<i>0.034</i>	<b>0.123</b>	0.128	0.128
<b>Residential Sector</b>															
Geothermal .....	<b>0.007</b>	<b>0.007</b>	<b>0.007</b>	<b>0.007</b>	<b>0.007</b>	<b>0.007</b>	<b>0.007</b>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<b>0.026</b>	0.026	0.026
Biomass .....	<b>0.122</b>	<b>0.122</b>	<b>0.123</b>	<b>0.123</b>	<b>0.121</b>	<b>0.122</b>	<b>0.122</b>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<b>0.490</b>	0.487	0.488
Solar .....	<b>0.021</b>	<b>0.021</b>	<b>0.021</b>	<b>0.021</b>	<b>0.020</b>	<b>0.021</b>	<b>0.021</b>	<i>0.021</i>	<i>0.021</i>	<i>0.021</i>	<i>0.021</i>	<i>0.021</i>	<b>0.083</b>	0.082	0.082
Subtotal .....	<b>0.149</b>	<b>0.149</b>	<b>0.151</b>	<b>0.151</b>	<b>0.148</b>	<b>0.149</b>	<b>0.149</b>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<b>0.599</b>	0.595	0.596
<b>Transportation Sector</b>															
Ethanol (b) .....	<b>0.172</b>	<b>0.200</b>	<b>0.218</b>	<b>0.226</b>	<b>0.200</b>	<b>0.226</b>	<b>0.244</b>	<i>0.243</i>	<i>0.242</i>	<i>0.255</i>	<i>0.262</i>	<i>0.265</i>	<b>0.816</b>	0.913	1.024
Biodiesel (b) .....	<b>0.008</b>	<b>0.005</b>	<b>0.014</b>	<b>0.014</b>	<b>0.004</b>	<b>0.012</b>	<b>0.018</b>	<i>0.019</i>	<i>0.020</i>	<i>0.023</i>	<i>0.023</i>	<i>0.023</i>	<b>0.041</b>	0.054	0.088
Total Consumption .....	<b>1.619</b>	<b>1.837</b>	<b>1.673</b>	<b>1.615</b>	<b>1.689</b>	<b>1.921</b>	<b>1.742</b>	<i>1.675</i>	<i>1.853</i>	<i>1.964</i>	<i>1.813</i>	<i>1.749</i>	<b>6.744</b>	7.027	7.379

- = no data available

(a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

(b) Fuel ethanol and biodiesel supply represents domestic production only. Fuel ethanol and biodiesel consumption in the transportation sector includes production, stock change, and imports less exports. Some biodiesel may be consumed in the residential s

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.

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

**Projections:** Generated by simulation of the EIA Regional Short-Term Energy Model.