

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

Energy Information Administration/Short-Term Energy Outlook - August 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>0.793</b>	<i>0.608</i>	<i>0.541</i>	<i>0.667</i>	<i>0.772</i>	<i>0.611</i>	<i>0.548</i>	<b>2.452</b>	2.561	2.597
Geothermal .....	<b>0.085</b>	<b>0.091</b>	<b>0.092</b>	<b>0.090</b>	<b>0.088</b>	<b>0.088</b>	<i>0.093</i>	<i>0.092</i>	<i>0.092</i>	<i>0.092</i>	<i>0.096</i>	<i>0.095</i>	<b>0.358</b>	0.362	0.375
Solar .....	<b>0.022</b>	<b>0.024</b>	<b>0.024</b>	<b>0.022</b>	<b>0.021</b>	<b>0.024</b>	<i>0.024</i>	<i>0.022</i>	<i>0.022</i>	<i>0.025</i>	<i>0.026</i>	<i>0.023</i>	<b>0.091</b>	0.091	0.095
Wind .....	<b>0.124</b>	<b>0.149</b>	<b>0.096</b>	<b>0.145</b>	<b>0.167</b>	<b>0.174</b>	<i>0.124</i>	<i>0.136</i>	<i>0.203</i>	<i>0.217</i>	<i>0.165</i>	<i>0.169</i>	<b>0.514</b>	0.602	0.754
Wood .....	<b>0.507</b>	<b>0.506</b>	<b>0.521</b>	<b>0.507</b>	<b>0.482</b>	<b>0.472</b>	<i>0.502</i>	<i>0.499</i>	<i>0.479</i>	<i>0.460</i>	<i>0.504</i>	<i>0.500</i>	<b>2.041</b>	1.955	1.943
Ethanol (b) .....	<b>0.174</b>	<b>0.190</b>	<b>0.207</b>	<b>0.214</b>	<b>0.203</b>	<b>0.212</b>	<i>0.225</i>	<i>0.230</i>	<i>0.230</i>	<i>0.240</i>	<i>0.248</i>	<i>0.250</i>	<b>0.784</b>	0.871	0.968
Biodiesel (b) .....	<b>0.018</b>	<b>0.022</b>	<b>0.025</b>	<b>0.022</b>	<b>0.013</b>	<b>0.016</b>	<i>0.019</i>	<i>0.019</i>	<i>0.020</i>	<i>0.022</i>	<i>0.022</i>	<i>0.022</i>	<b>0.087</b>	0.068	0.085
Other Renewables .....	<b>0.110</b>	<b>0.108</b>	<b>0.107</b>	<b>0.106</b>	<b>0.108</b>	<b>0.114</b>	<i>0.120</i>	<i>0.113</i>	<i>0.123</i>	<i>0.116</i>	<i>0.127</i>	<i>0.119</i>	<b>0.431</b>	0.454	0.486
Total .....	<b>1.631</b>	<b>1.842</b>	<b>1.673</b>	<b>1.612</b>	<b>1.701</b>	<b>1.901</b>	<i>1.716</i>	<i>1.653</i>	<i>1.835</i>	<i>1.943</i>	<i>1.798</i>	<i>1.726</i>	<b>6.758</b>	6.970	7.302
<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>0.788</b>	<i>0.605</i>	<i>0.538</i>	<i>0.662</i>	<i>0.767</i>	<i>0.607</i>	<i>0.544</i>	<b>2.432</b>	2.543	2.580
Geothermal .....	<b>0.074</b>	<b>0.079</b>	<b>0.081</b>	<b>0.079</b>	<b>0.077</b>	<b>0.076</b>	<i>0.082</i>	<i>0.081</i>	<i>0.080</i>	<i>0.081</i>	<i>0.084</i>	<i>0.084</i>	<b>0.312</b>	0.316	0.329
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>	<i>0.003</i>	<i>0.001</i>	<i>0.002</i>	<i>0.004</i>	<i>0.005</i>	<i>0.002</i>	<b>0.008</b>	0.008	0.013
Wind .....	<b>0.124</b>	<b>0.149</b>	<b>0.096</b>	<b>0.145</b>	<b>0.167</b>	<b>0.174</b>	<i>0.124</i>	<i>0.136</i>	<i>0.203</i>	<i>0.217</i>	<i>0.165</i>	<i>0.169</i>	<b>0.514</b>	0.602	0.754
Wood .....	<b>0.047</b>	<b>0.041</b>	<b>0.047</b>	<b>0.045</b>	<b>0.044</b>	<b>0.039</b>	<i>0.049</i>	<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>	<i>0.070</i>	<i>0.070</i>	<i>0.070</i>	<i>0.073</i>	<i>0.077</i>	<i>0.076</i>	<b>0.242</b>	0.259	0.296
Subtotal .....	<b>0.892</b>	<b>1.082</b>	<b>0.885</b>	<b>0.831</b>	<b>0.962</b>	<b>1.154</b>	<i>0.934</i>	<i>0.873</i>	<i>1.063</i>	<i>1.184</i>	<i>0.990</i>	<i>0.922</i>	<b>3.690</b>	3.922	4.160
<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>0.005</b>	<i>0.003</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.003</i>	<i>0.004</i>	<b>0.019</b>	0.016	0.016
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>	<i>0.001</i>	<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>	<i>0.315</i>	<i>0.312</i>	<i>0.293</i>	<i>0.279</i>	<i>0.316</i>	<i>0.311</i>	<b>1.298</b>	1.218	1.200
Other Renewables .....	<b>0.040</b>	<b>0.039</b>	<b>0.039</b>	<b>0.039</b>	<b>0.039</b>	<b>0.041</b>	<i>0.040</i>	<i>0.035</i>	<i>0.045</i>	<i>0.034</i>	<i>0.040</i>	<i>0.035</i>	<b>0.157</b>	0.155	0.154
Subtotal .....	<b>0.371</b>	<b>0.374</b>	<b>0.380</b>	<b>0.368</b>	<b>0.347</b>	<b>0.343</b>	<i>0.364</i>	<i>0.355</i>	<i>0.348</i>	<i>0.323</i>	<i>0.365</i>	<i>0.356</i>	<b>1.492</b>	1.409	1.392
<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>	<i>0.000</i>	<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>	<i>0.004</i>	<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>	<i>0.016</i>	<i>0.018</i>	<i>0.017</i>	<i>0.016</i>	<i>0.016</i>	<i>0.019</i>	<b>0.072</b>	0.070	0.069
Other Renewables .....	<b>0.008</b>	<b>0.008</b>	<b>0.008</b>	<b>0.008</b>	<b>0.009</b>	<b>0.009</b>	<i>0.009</i>	<i>0.008</i>	<i>0.008</i>	<i>0.009</i>	<i>0.010</i>	<i>0.009</i>	<b>0.032</b>	0.036	0.036
Subtotal .....	<b>0.031</b>	<b>0.031</b>	<b>0.030</b>	<b>0.030</b>	<b>0.032</b>	<b>0.032</b>	<i>0.030</i>	<i>0.031</i>	<i>0.030</i>	<i>0.030</i>	<i>0.030</i>	<i>0.032</i>	<b>0.123</b>	0.124	0.123
<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>	<i>0.007</i>	<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>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<i>0.122</i>	<b>0.490</b>	0.486	0.487
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>	<i>0.021</i>	<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>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<i>0.149</i>	<b>0.599</b>	0.594	0.595
<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>0.223</b>	<i>0.234</i>	<i>0.237</i>	<i>0.233</i>	<i>0.246</i>	<i>0.254</i>	<i>0.257</i>	<b>0.816</b>	0.894	0.990
Biodiesel (b) .....	<b>0.008</b>	<b>0.005</b>	<b>0.014</b>	<b>0.014</b>	<b>0.007</b>	<b>0.014</b>	<i>0.019</i>	<i>0.019</i>	<i>0.019</i>	<i>0.022</i>	<i>0.022</i>	<i>0.022</i>	<b>0.041</b>	0.059	0.085
Total Consumption .....	<b>1.619</b>	<b>1.837</b>	<b>1.673</b>	<b>1.615</b>	<b>1.692</b>	<b>1.906</b>	<i>1.724</i>	<i>1.659</i>	<i>1.838</i>	<i>1.949</i>	<i>1.805</i>	<i>1.732</i>	<b>6.744</b>	6.981	7.324

- = 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.