

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

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
<b>Supply</b>															
Hydroelectric Power (a) .....	<b>0.693</b>	<b>0.726</b>	<b>0.573</b>	<b>0.490</b>	<b>0.654</b>	<b>0.711</b>	<i>0.588</i>	<i>0.535</i>	<i>0.654</i>	<i>0.712</i>	<i>0.602</i>	<i>0.551</i>	<b>2.481</b>	2.489	2.520
Geothermal .....	<b>0.088</b>	<b>0.085</b>	<b>0.089</b>	<b>0.089</b>	<b>0.084</b>	<b>0.089</b>	<i>0.092</i>	<i>0.092</i>	<i>0.094</i>	<i>0.091</i>	<i>0.095</i>	<i>0.094</i>	<b>0.352</b>	0.357	0.375
Solar .....	<b>0.018</b>	<b>0.020</b>	<b>0.020</b>	<b>0.018</b>	<b>0.020</b>	<b>0.022</b>	<i>0.021</i>	<i>0.020</i>	<i>0.021</i>	<i>0.023</i>	<i>0.023</i>	<i>0.021</i>	<b>0.076</b>	0.083	0.088
Wind .....	<b>0.081</b>	<b>0.085</b>	<b>0.070</b>	<b>0.086</b>	<b>0.111</b>	<b>0.137</b>	<i>0.104</i>	<i>0.119</i>	<i>0.143</i>	<i>0.151</i>	<i>0.114</i>	<i>0.139</i>	<b>0.322</b>	0.471	0.547
Wood .....	<b>0.509</b>	<b>0.499</b>	<b>0.540</b>	<b>0.600</b>	<b>0.474</b>	<b>0.512</b>	<i>0.561</i>	<i>0.558</i>	<i>0.531</i>	<i>0.527</i>	<i>0.560</i>	<i>0.554</i>	<b>2.148</b>	2.105	2.172
Biofuels and Biomass .....	<b>0.121</b>	<b>0.130</b>	<b>0.142</b>	<b>0.156</b>	<b>0.171</b>	<b>0.187</b>	<i>0.196</i>	<i>0.206</i>	<i>0.205</i>	<i>0.212</i>	<i>0.216</i>	<i>0.219</i>	<b>0.549</b>	0.759	0.852
Other Renewables .....	<b>0.105</b>	<b>0.099</b>	<b>0.109</b>	<b>0.110</b>	<b>0.087</b>	<b>0.098</b>	<i>0.110</i>	<i>0.104</i>	<i>0.102</i>	<i>0.104</i>	<i>0.110</i>	<i>0.105</i>	<b>0.422</b>	0.398	0.419
Total .....	<b>1.631</b>	<b>1.660</b>	<b>1.558</b>	<b>1.565</b>	<b>1.618</b>	<b>1.775</b>	<i>1.689</i>	<i>1.650</i>	<i>1.767</i>	<i>1.837</i>	<i>1.736</i>	<i>1.699</i>	<b>6.414</b>	6.733	7.039
<b>Consumption</b>															
<b>Electric Power Sector</b>															
Hydroelectric Power (a) .....	<b>0.686</b>	<b>0.722</b>	<b>0.570</b>	<b>0.488</b>	<b>0.648</b>	<b>0.705</b>	<i>0.584</i>	<i>0.531</i>	<i>0.645</i>	<i>0.706</i>	<i>0.597</i>	<i>0.547</i>	<b>2.465</b>	2.468	2.495
Geothermal .....	<b>0.078</b>	<b>0.075</b>	<b>0.079</b>	<b>0.079</b>	<b>0.073</b>	<b>0.078</b>	<i>0.081</i>	<i>0.081</i>	<i>0.082</i>	<i>0.079</i>	<i>0.083</i>	<i>0.082</i>	<b>0.312</b>	0.313	0.327
Solar .....	<b>0.001</b>	<b>0.002</b>	<b>0.002</b>	<b>0.001</b>	<b>0.001</b>	<b>0.003</b>	<i>0.002</i>	<i>0.001</i>	<i>0.001</i>	<i>0.003</i>	<i>0.002</i>	<i>0.001</i>	<b>0.006</b>	0.007	0.006
Wind .....	<b>0.081</b>	<b>0.085</b>	<b>0.070</b>	<b>0.086</b>	<b>0.111</b>	<b>0.137</b>	<i>0.104</i>	<i>0.119</i>	<i>0.143</i>	<i>0.151</i>	<i>0.114</i>	<i>0.139</i>	<b>0.322</b>	0.471	0.547
Wood .....	<b>0.048</b>	<b>0.044</b>	<b>0.046</b>	<b>0.045</b>	<b>0.049</b>	<b>0.044</b>	<i>0.051</i>	<i>0.049</i>	<i>0.048</i>	<i>0.044</i>	<i>0.051</i>	<i>0.049</i>	<b>0.184</b>	0.193	0.192
Other Renewables .....	<b>0.061</b>	<b>0.059</b>	<b>0.062</b>	<b>0.060</b>	<b>0.056</b>	<b>0.063</b>	<i>0.068</i>	<i>0.065</i>	<i>0.063</i>	<i>0.066</i>	<i>0.069</i>	<i>0.066</i>	<b>0.243</b>	0.252	0.264
Subtotal .....	<b>0.956</b>	<b>0.987</b>	<b>0.829</b>	<b>0.760</b>	<b>0.939</b>	<b>1.030</b>	<i>0.891</i>	<i>0.846</i>	<i>0.983</i>	<i>1.048</i>	<i>0.917</i>	<i>0.884</i>	<b>3.532</b>	3.705	3.831
<b>Industrial Sector</b>															
Hydroelectric Power (a) .....	<b>0.006</b>	<b>0.004</b>	<b>0.003</b>	<b>0.002</b>	<b>0.006</b>	<b>0.005</b>	<i>0.005</i>	<i>0.004</i>	<i>0.009</i>	<i>0.007</i>	<i>0.005</i>	<i>0.004</i>	<b>0.016</b>	0.020	0.024
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>0.340</b>	<b>0.335</b>	<b>0.373</b>	<b>0.431</b>	<b>0.319</b>	<b>0.351</b>	<i>0.394</i>	<i>0.391</i>	<i>0.371</i>	<i>0.368</i>	<i>0.394</i>	<i>0.386</i>	<b>1.478</b>	1.455	1.520
Other Renewables .....	<b>0.034</b>	<b>0.031</b>	<b>0.037</b>	<b>0.040</b>	<b>0.024</b>	<b>0.026</b>	<i>0.033</i>	<i>0.030</i>	<i>0.031</i>	<i>0.030</i>	<i>0.032</i>	<i>0.030</i>	<b>0.142</b>	0.114	0.122
Subtotal .....	<b>0.479</b>	<b>0.468</b>	<b>0.512</b>	<b>0.572</b>	<b>0.473</b>	<b>0.507</b>	<i>0.556</i>	<i>0.550</i>	<i>0.567</i>	<i>0.560</i>	<i>0.587</i>	<i>0.576</i>	<b>2.031</b>	2.085	2.289
<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>0.014</b>	0.015	0.015
Wood and Wood Waste .....	<b>0.020</b>	<b>0.020</b>	<b>0.020</b>	<b>0.023</b>	<b>0.006</b>	<b>0.016</b>	<i>0.015</i>	<i>0.018</i>	<i>0.012</i>	<i>0.015</i>	<i>0.014</i>	<i>0.018</i>	<b>0.083</b>	0.055	0.058
Other Renewables .....	<b>0.010</b>	<b>0.009</b>	<b>0.010</b>	<b>0.010</b>	<b>0.007</b>	<b>0.009</b>	<i>0.009</i>	<i>0.008</i>	<i>0.007</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	<b>0.037</b>	0.033	0.033
Subtotal .....	<b>0.034</b>	<b>0.033</b>	<b>0.033</b>	<b>0.037</b>	<b>0.017</b>	<b>0.029</b>	<i>0.028</i>	<i>0.030</i>	<i>0.023</i>	<i>0.028</i>	<i>0.027</i>	<i>0.031</i>	<b>0.137</b>	0.105	0.109
<b>Residential Sector</b>															
Geothermal .....	<b>0.005</b>	<b>0.005</b>	<b>0.005</b>	<b>0.005</b>	<b>0.006</b>	<b>0.006</b>	<i>0.006</i>	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<b>0.021</b>	0.024	0.028
Wood .....	<b>0.101</b>	<b>0.101</b>	<b>0.101</b>	<b>0.101</b>	<b>0.101</b>	<b>0.101</b>	<i>0.101</i>	<i>0.101</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	<b>0.403</b>	0.403	0.401
Solar .....	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.018</b>	<b>0.019</b>	<b>0.019</b>	<i>0.019</i>	<i>0.019</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	<b>0.070</b>	0.076	0.082
Subtotal .....	<b>0.123</b>	<b>0.123</b>	<b>0.123</b>	<b>0.123</b>	<b>0.126</b>	<b>0.126</b>	<i>0.126</i>	<i>0.126</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	<b>0.494</b>	0.503	0.511
<b>Transportation Sector</b>															
Biofuels (b) .....	<b>0.148</b>	<b>0.152</b>	<b>0.162</b>	<b>0.181</b>	<b>0.189</b>	<b>0.217</b>	<i>0.218</i>	<i>0.233</i>	<i>0.231</i>	<i>0.239</i>	<i>0.243</i>	<i>0.248</i>	<b>0.643</b>	0.857	0.960
Total Consumption .....	<b>1.740</b>	<b>1.764</b>	<b>1.661</b>	<b>1.673</b>	<b>1.743</b>	<b>1.907</b>	<i>1.818</i>	<i>1.784</i>	<i>1.931</i>	<i>2.002</i>	<i>1.901</i>	<i>1.867</i>	<b>6.837</b>	7.253	7.701

- = no data available

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

(b) Fuel ethanol supply includes production but excludes imports, exports, and stock change. Fuel ethanol consumption in transportation sector represents total fuel ethanol blended into motor gasoline.

**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.