

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

Energy Information Administration/Short-Term Energy Outlook - August 2010

	2009				2010				2011				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2009	2010	2011
Supply															
Hydroelectric Power (a)	0.625	0.827	0.585	0.644	0.622	0.720	<i>0.564</i>	<i>0.433</i>	<i>0.634</i>	<i>0.764</i>	<i>0.599</i>	<i>0.558</i>	2.682	2.339	2.555
Geothermal	0.094	0.091	0.093	0.096	0.093	0.093	<i>0.098</i>	<i>0.098</i>	<i>0.099</i>	<i>0.097</i>	<i>0.100</i>	<i>0.100</i>	0.373	0.381	0.396
Solar	0.026	0.028	0.028	0.026	0.026	0.029	<i>0.030</i>	<i>0.027</i>	<i>0.028</i>	<i>0.032</i>	<i>0.033</i>	<i>0.028</i>	0.109	0.112	0.121
Wind	0.184	0.186	0.141	0.188	0.194	0.255	<i>0.184</i>	<i>0.216</i>	<i>0.254</i>	<i>0.317</i>	<i>0.262</i>	<i>0.301</i>	0.699	0.850	1.134
Wood	0.458	0.452	0.490	0.490	0.478	0.471	<i>0.504</i>	<i>0.482</i>	<i>0.471</i>	<i>0.454</i>	<i>0.495</i>	<i>0.484</i>	1.891	1.935	1.904
Ethanol (b)	0.205	0.218	0.242	0.257	0.265	0.271	<i>0.275</i>	<i>0.281</i>	<i>0.278</i>	<i>0.284</i>	<i>0.288</i>	<i>0.288</i>	0.922	1.092	1.138
Biodiesel (b)	0.013	0.015	0.018	0.023	0.013	0.015	<i>0.022</i>	<i>0.024</i>	<i>0.023</i>	<i>0.025</i>	<i>0.026</i>	<i>0.025</i>	0.069	0.073	0.099
Other Renewables	0.112	0.111	0.113	0.111	0.107	0.114	<i>0.125</i>	<i>0.116</i>	<i>0.110</i>	<i>0.117</i>	<i>0.127</i>	<i>0.118</i>	0.447	0.462	0.472
Total	1.717	1.928	1.711	1.836	1.798	1.973	<i>1.803</i>	<i>1.677</i>	<i>1.896</i>	<i>2.089</i>	<i>1.931</i>	<i>1.902</i>	7.192	7.250	7.818
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	0.622	0.824	0.584	0.641	0.618	0.705	<i>0.560</i>	<i>0.429</i>	<i>0.629</i>	<i>0.759</i>	<i>0.595</i>	<i>0.554</i>	2.671	2.312	2.537
Geothermal	0.081	0.078	0.079	0.082	0.079	0.080	<i>0.084</i>	<i>0.085</i>	<i>0.085</i>	<i>0.084</i>	<i>0.087</i>	<i>0.086</i>	0.320	0.328	0.342
Solar	0.001	0.003	0.003	0.001	0.001	0.004	<i>0.005</i>	<i>0.002</i>	<i>0.003</i>	<i>0.007</i>	<i>0.008</i>	<i>0.003</i>	0.008	0.012	0.021
Wind	0.184	0.186	0.141	0.188	0.194	0.255	<i>0.184</i>	<i>0.216</i>	<i>0.254</i>	<i>0.317</i>	<i>0.262</i>	<i>0.301</i>	0.699	0.850	1.134
Wood	0.044	0.040	0.045	0.044	0.047	0.043	<i>0.050</i>	<i>0.048</i>	<i>0.049</i>	<i>0.044</i>	<i>0.052</i>	<i>0.049</i>	0.173	0.188	0.194
Other Renewables	0.063	0.064	0.064	0.062	0.060	0.064	<i>0.070</i>	<i>0.068</i>	<i>0.067</i>	<i>0.070</i>	<i>0.073</i>	<i>0.070</i>	0.253	0.262	0.280
Subtotal	0.994	1.194	0.916	1.019	1.000	1.171	<i>0.953</i>	<i>0.848</i>	<i>1.087</i>	<i>1.280</i>	<i>1.077</i>	<i>1.063</i>	4.124	3.972	4.507
Industrial Sector															
Hydroelectric Power (a)	0.005	0.005	0.004	0.004	0.005	0.006	<i>0.004</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.004</i>	<i>0.004</i>	0.018	0.019	0.018
Geothermal	0.001	0.001	0.001	0.001	0.001	0.001	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.004	0.004	0.004
Wood and Wood Waste	0.291	0.287	0.319	0.320	0.308	0.302	<i>0.327</i>	<i>0.309</i>	<i>0.296</i>	<i>0.282</i>	<i>0.317</i>	<i>0.310</i>	1.217	1.247	1.205
Other Renewables	0.040	0.040	0.040	0.040	0.039	0.039	<i>0.045</i>	<i>0.039</i>	<i>0.035</i>	<i>0.038</i>	<i>0.044</i>	<i>0.039</i>	0.160	0.162	0.156
Subtotal	0.340	0.337	0.367	0.369	0.357	0.352	<i>0.381</i>	<i>0.358</i>	<i>0.341</i>	<i>0.330</i>	<i>0.369</i>	<i>0.358</i>	1.413	1.447	1.399
Commercial Sector															
Hydroelectric Power (a)	0.000	0.000	0.000	0.000	0.000	0.000	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	0.001	0.001	0.001
Geothermal	0.004	0.004	0.004	0.004	0.004	0.004	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	0.017	0.017	0.017
Wood and Wood Waste	0.018	0.018	0.018	0.018	0.018	0.019	<i>0.020</i>	<i>0.017</i>	<i>0.019</i>	<i>0.021</i>	<i>0.019</i>	<i>0.018</i>	0.072	0.074	0.078
Other Renewables	0.009	0.008	0.008	0.008	0.008	0.009	<i>0.010</i>	<i>0.009</i>	<i>0.008</i>	<i>0.009</i>	<i>0.010</i>	<i>0.009</i>	0.034	0.036	0.036
Subtotal	0.032	0.031	0.031	0.031	0.031	0.035	<i>0.037</i>	<i>0.034</i>	<i>0.034</i>	<i>0.038</i>	<i>0.037</i>	<i>0.035</i>	0.126	0.136	0.143
Residential Sector															
Geothermal	0.008	0.008	0.008	0.008	0.008	0.008	<i>0.008</i>	<i>0.008</i>	<i>0.008</i>	<i>0.008</i>	<i>0.008</i>	<i>0.008</i>	0.033	0.033	0.033
Biomass	0.106	0.107	0.108	0.108	0.106	0.107	<i>0.107</i>	<i>0.107</i>	<i>0.107</i>	<i>0.107</i>	<i>0.107</i>	<i>0.107</i>	0.430	0.427	0.428
Solar	0.025	0.025	0.025	0.025	0.025	0.025	<i>0.025</i>	<i>0.025</i>	<i>0.025</i>	<i>0.025</i>	<i>0.025</i>	<i>0.025</i>	0.101	0.100	0.100
Subtotal	0.139	0.140	0.142	0.142	0.139	0.140	<i>0.140</i>	<i>0.140</i>	<i>0.140</i>	<i>0.140</i>	<i>0.140</i>	<i>0.140</i>	0.563	0.559	0.560
Transportation Sector															
Ethanol (b)	0.199	0.231	0.245	0.255	0.255	0.269	<i>0.277</i>	<i>0.282</i>	<i>0.278</i>	<i>0.286</i>	<i>0.291</i>	<i>0.290</i>	0.930	1.082	1.144
Biodiesel (b)	0.005	0.013	0.015	0.018	0.012	0.011	<i>0.020</i>	<i>0.022</i>	<i>0.021</i>	<i>0.023</i>	<i>0.024</i>	<i>0.023</i>	0.052	0.065	0.092
Total Consumption	1.705	1.936	1.706	1.825	1.788	1.968	<i>1.801</i>	<i>1.676</i>	<i>1.894</i>	<i>2.089</i>	<i>1.931</i>	<i>1.902</i>	7.173	7.233	7.816

- = 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.