

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

U.S. Energy Information Administration | Short-Term Energy Outlook - May 2012

	2011				2012				2013				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2011	2012	2013
Supply															
Hydroelectric Power (a)	0.806	0.946	0.775	0.645	0.706	<i>0.873</i>	<i>0.682</i>	<i>0.592</i>	<i>0.664</i>	<i>0.786</i>	<i>0.629</i>	<i>0.582</i>	3.171	2.853	2.660
Wood Biomass (b)	0.495	0.486	0.504	0.502	0.494	<i>0.479</i>	<i>0.501</i>	<i>0.504</i>	<i>0.493</i>	<i>0.483</i>	<i>0.509</i>	<i>0.514</i>	1.987	1.977	2.000
Waste Biomass (c)	0.116	0.118	0.121	0.123	0.116	<i>0.119</i>	<i>0.129</i>	<i>0.125</i>	<i>0.119</i>	<i>0.123</i>	<i>0.132</i>	<i>0.127</i>	0.477	0.488	0.500
Wind	0.290	0.341	0.211	0.326	0.365	<i>0.352</i>	<i>0.269</i>	<i>0.338</i>	<i>0.353</i>	<i>0.394</i>	<i>0.290</i>	<i>0.355</i>	1.168	1.325	1.392
Geothermal	0.057	0.056	0.056	0.057	0.057	<i>0.057</i>	<i>0.059</i>	<i>0.059</i>	<i>0.058</i>	<i>0.057</i>	<i>0.059</i>	<i>0.059</i>	0.226	0.232	0.232
Solar	0.037	0.041	0.042	0.039	0.039	<i>0.047</i>	<i>0.048</i>	<i>0.040</i>	<i>0.041</i>	<i>0.052</i>	<i>0.052</i>	<i>0.041</i>	0.158	0.173	0.185
Ethanol (d)	0.292	0.290	0.293	0.307	0.296	<i>0.290</i>	<i>0.295</i>	<i>0.296</i>	<i>0.291</i>	<i>0.294</i>	<i>0.297</i>	<i>0.296</i>	1.183	1.178	1.178
Biodiesel (d)	0.014	0.024	0.034	0.038	0.022	<i>0.033</i>	<i>0.033</i>	<i>0.034</i>	<i>0.034</i>	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	0.110	0.122	0.139
Total	2.107	2.302	2.036	2.036	2.105	<i>2.250</i>	<i>2.016</i>	<i>1.987</i>	<i>2.052</i>	<i>2.223</i>	<i>2.003</i>	<i>2.008</i>	8.481	8.358	8.286
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	0.801	0.941	0.771	0.641	0.701	<i>0.867</i>	<i>0.678</i>	<i>0.587</i>	<i>0.658</i>	<i>0.779</i>	<i>0.625</i>	<i>0.576</i>	3.154	2.833	2.640
Wood Biomass (b)	0.046	0.040	0.047	0.042	0.046	<i>0.041</i>	<i>0.051</i>	<i>0.049</i>	<i>0.051</i>	<i>0.047</i>	<i>0.056</i>	<i>0.055</i>	0.175	0.187	0.210
Waste Biomass (c)	0.064	0.067	0.069	0.069	0.065	<i>0.068</i>	<i>0.071</i>	<i>0.069</i>	<i>0.068</i>	<i>0.071</i>	<i>0.073</i>	<i>0.071</i>	0.269	0.272	0.284
Wind	0.290	0.341	0.211	0.326	0.365	<i>0.352</i>	<i>0.269</i>	<i>0.338</i>	<i>0.353</i>	<i>0.394</i>	<i>0.290</i>	<i>0.355</i>	1.168	1.325	1.392
Geothermal	0.042	0.040	0.040	0.041	0.042	<i>0.041</i>	<i>0.043</i>	<i>0.043</i>	<i>0.042</i>	<i>0.041</i>	<i>0.043</i>	<i>0.043</i>	0.163	0.168	0.168
Solar	0.002	0.006	0.006	0.003	0.004	<i>0.011</i>	<i>0.013</i>	<i>0.004</i>	<i>0.005</i>	<i>0.016</i>	<i>0.017</i>	<i>0.005</i>	0.018	0.032	0.044
Subtotal	1.245	1.435	1.145	1.122	1.224	<i>1.380</i>	<i>1.124</i>	<i>1.090</i>	<i>1.178</i>	<i>1.348</i>	<i>1.105</i>	<i>1.106</i>	4.947	4.818	4.737
Industrial Sector															
Hydroelectric Power (a)	0.005	0.005	0.003	0.005	0.005	<i>0.006</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.006</i>	<i>0.004</i>	<i>0.005</i>	0.018	0.020	0.020
Wood Biomass (b)	0.325	0.322	0.331	0.334	0.323	<i>0.311</i>	<i>0.322</i>	<i>0.326</i>	<i>0.314</i>	<i>0.310</i>	<i>0.325</i>	<i>0.331</i>	1.311	1.283	1.280
Waste Biomass (c)	0.043	0.042	0.043	0.044	0.042	<i>0.044</i>	<i>0.049</i>	<i>0.047</i>	<i>0.041</i>	<i>0.044</i>	<i>0.049</i>	<i>0.047</i>	0.172	0.182	0.181
Geothermal	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>	<i>0.001</i>	0.004	0.004	0.004
Subtotal	0.378	0.375	0.383	0.388	0.375	<i>0.366</i>	<i>0.380</i>	<i>0.384</i>	<i>0.367</i>	<i>0.365</i>	<i>0.383</i>	<i>0.389</i>	1.524	1.506	1.503
Commercial Sector															
Wood Biomass (b)	0.017	0.018	0.018	0.018	0.017	<i>0.018</i>	<i>0.019</i>	<i>0.020</i>	<i>0.019</i>	<i>0.018</i>	<i>0.019</i>	<i>0.020</i>	0.071	0.074	0.077
Waste Biomass (c)	0.009	0.008	0.009	0.010	0.008	<i>0.008</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	<i>0.008</i>	<i>0.009</i>	<i>0.009</i>	0.036	0.035	0.035
Geothermal	0.005	0.005	0.005	0.005	0.005	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.020	0.020	0.020
Subtotal	0.032	0.032	0.033	0.034	0.031	<i>0.033</i>	<i>0.034</i>	<i>0.035</i>	<i>0.034</i>	<i>0.033</i>	<i>0.035</i>	<i>0.035</i>	0.131	0.133	0.137
Residential Sector															
Wood Biomass (b)	0.106	0.107	0.108	0.108	0.109	<i>0.108</i>	<i>0.108</i>	<i>0.108</i>	<i>0.108</i>	<i>0.108</i>	<i>0.108</i>	<i>0.108</i>	0.430	0.434	0.433
Geothermal	0.010	0.010	0.010	0.010	0.010	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	0.040	0.040	0.040
Solar	0.035	0.035	0.035	0.035	0.035	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	<i>0.035</i>	0.140	0.142	0.142
Subtotal	0.150	0.152	0.154	0.154	0.154	<i>0.154</i>	<i>0.154</i>	<i>0.154</i>	<i>0.154</i>	<i>0.154</i>	<i>0.154</i>	<i>0.154</i>	0.610	0.615	0.615
Transportation Sector															
Ethanol (d)	0.263	0.277	0.276	0.275	0.263	<i>0.274</i>	<i>0.277</i>	<i>0.284</i>	<i>0.272</i>	<i>0.285</i>	<i>0.284</i>	<i>0.288</i>	1.091	1.099	1.129
Biodiesel (d)	0.013	0.026	0.035	0.038	0.019	<i>0.032</i>	<i>0.033</i>	<i>0.033</i>	<i>0.033</i>	<i>0.035</i>	<i>0.036</i>	<i>0.035</i>	0.113	0.117	0.139
Total Consumption	2.077	2.292	2.020	2.004	2.047	<i>2.234</i>	<i>1.997</i>	<i>1.975</i>	<i>2.033</i>	<i>2.214</i>	<i>1.991</i>	<i>2.000</i>	8.392	8.252	8.237

- = no data available

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

(b) Wood and wood-derived fuels.

(c) Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass.

(d) 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.