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

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

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply															
Hydroelectric Power (a)	**0.686**	**0.719**	**0.567**	**0.485**	**0.648**	**0.803**	**0.623**	*0.530*	*0.646*	*0.733*	*0.619*	*0.546*	**2.456**	*2.604*	*2.544*
Geothermal	**0.088**	**0.086**	**0.089**	**0.090**	**0.085**	**0.090**	**0.091**	*0.091*	*0.095*	*0.093*	*0.096*	*0.095*	**0.353**	*0.357*	*0.379*
Solar	**0.019**	**0.021**	**0.021**	**0.019**	**0.022**	**0.024**	**0.023**	*0.021*	*0.024*	*0.025*	*0.025*	*0.023*	**0.080**	*0.090*	*0.098*
Wind	**0.080**	**0.084**	**0.070**	**0.086**	**0.110**	**0.132**	**0.081**	*0.093*	*0.116*	*0.144*	*0.109*	*0.111*	**0.319**	*0.416*	*0.480*
Wood	**0.514**	**0.504**	**0.544**	**0.603**	**0.475**	**0.444**	**0.431**	*0.493*	*0.473*	*0.467*	*0.501*	*0.490*	**2.165**	*1.842*	*1.932*
Biofuels and Biomass	**0.121**	**0.130**	**0.142**	**0.156**	**0.171**	**0.187**	**0.206**	*0.212*	*0.211*	*0.215*	*0.219*	*0.222*	**0.549**	*0.776*	*0.866*
Other Renewables	**0.107**	**0.101**	**0.111**	**0.112**	**0.089**	**0.091**	**0.086**	*0.092*	*0.090*	*0.098*	*0.102*	*0.096*	**0.431**	*0.358*	*0.385*
Total	**1.631**	**1.660**	**1.560**	**1.566**	**1.616**	**1.787**	**1.601**	*1.548*	*1.672*	*1.791*	*1.688*	*1.600*	**6.417**	*6.552*	*6.751*
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	**0.679**	**0.714**	**0.564**	**0.483**	**0.641**	**0.799**	**0.621**	*0.526*	*0.637*	*0.726*	*0.616*	*0.542*	**2.440**	*2.587*	*2.522*
Geothermal	**0.078**	**0.075**	**0.079**	**0.079**	**0.073**	**0.078**	**0.080**	*0.080*	*0.082*	*0.079*	*0.083*	*0.082*	**0.312**	*0.311*	*0.327*
Solar	**0.001**	**0.002**	**0.002**	**0.001**	**0.001**	**0.003**	**0.003**	*0.001*	*0.001*	*0.003*	*0.002*	*0.001*	**0.006**	*0.008*	*0.006*
Wind	**0.080**	**0.084**	**0.070**	**0.086**	**0.110**	**0.132**	**0.081**	*0.093*	*0.116*	*0.144*	*0.109*	*0.111*	**0.319**	*0.416*	*0.480*
Wood	**0.048**	**0.044**	**0.046**	**0.045**	**0.049**	**0.041**	**0.047**	*0.048*	*0.047*	*0.043*	*0.050*	*0.048*	**0.184**	*0.185*	*0.189*
Other Renewables	**0.061**	**0.059**	**0.062**	**0.060**	**0.056**	**0.059**	**0.058**	*0.059*	*0.059*	*0.062*	*0.067*	*0.064*	**0.243**	*0.233*	*0.253*
Subtotal	**0.948**	**0.979**	**0.823**	**0.754**	**0.931**	**1.112**	**0.902**	*0.807*	*0.943*	*1.057*	*0.928*	*0.848*	**3.503**	*3.752*	*3.776*
Industrial Sector															
Hydroelectric Power (a)	**0.006**	**0.004**	**0.003**	**0.002**	**0.006**	**0.004**	**0.002**	*0.004*	*0.009*	*0.006*	*0.003*	*0.004*	**0.016**	*0.015*	*0.022*
Geothermal	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	*0.001*	*0.001*	*0.001*	*0.001*	*0.001*	**0.005**	*0.005*	*0.005*
Wood and Wood Waste	**0.335**	**0.330**	**0.368**	**0.424**	**0.314**	**0.290**	**0.270**	*0.328*	*0.311*	*0.309*	*0.335*	*0.324*	**1.457**	*1.202*	*1.280*
Other Renewables	**0.036**	**0.033**	**0.040**	**0.043**	**0.025**	**0.024**	**0.020**	*0.025*	*0.025*	*0.027*	*0.027*	*0.024*	**0.151**	*0.095*	*0.103*
Subtotal	**0.477**	**0.466**	**0.510**	**0.569**	**0.471**	**0.443**	**0.445**	*0.482*	*0.503*	*0.501*	*0.523*	*0.511*	**2.021**	*1.842*	*2.038*
Commercial Sector															
Hydroelectric Power (a)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	**0.001**	*0.001*	*0.001*
Geothermal	**0.004**	**0.004**	**0.004**	**0.004**	**0.004**	**0.004**	**0.004**	*0.004*	*0.004*	*0.004*	*0.004*	*0.004*	**0.014**	*0.015*	*0.015*
Wood and Wood Waste	**0.015**	**0.016**	**0.015**	**0.018**	**0.005**	**0.005**	**0.005**	*0.009*	*0.005*	*0.005*	*0.006*	*0.008*	**0.065**	*0.023*	*0.025*
Other Renewables	**0.010**	**0.009**	**0.010**	**0.010**	**0.007**	**0.008**	**0.007**	*0.007*	*0.006*	*0.008*	*0.008*	*0.008*	**0.037**	*0.029*	*0.030*
Subtotal	**0.029**	**0.029**	**0.029**	**0.032**	**0.016**	**0.017**	**0.018**	*0.020*	*0.016*	*0.018*	*0.019*	*0.020*	**0.119**	*0.071*	*0.073*
Residential Sector															
Geothermal	**0.006**	**0.006**	**0.006**	**0.006**	**0.007**	**0.007**	**0.007**	*0.007*	*0.008*	*0.008*	*0.008*	*0.008*	**0.022**	*0.026*	*0.032*
Wood	**0.115**	**0.115**	**0.115**	**0.115**	**0.108**	**0.108**	**0.108**	*0.108*	*0.110*	*0.110*	*0.110*	*0.110*	**0.460**	*0.433*	*0.438*
Solar	**0.019**	**0.019**	**0.019**	**0.019**	**0.021**	**0.021**	**0.021**	*0.021*	*0.023*	*0.023*	*0.023*	*0.023*	**0.074**	*0.082*	*0.091*
Subtotal	**0.139**	**0.139**	**0.139**	**0.139**	**0.135**	**0.135**	**0.135**	*0.135*	*0.140*	*0.140*	*0.140*	*0.140*	**0.556**	*0.541*	*0.561*
Transportation Sector															
Biofuels (b)	**0.148**	**0.152**	**0.162**	**0.181**	**0.189**	**0.215**	**0.230**	*0.236*	*0.229*	*0.234*	*0.237*	*0.243*	**0.643**	*0.870*	*0.943*
Total Consumption	**1.741**	**1.764**	**1.663**	**1.674**	**1.742**	**1.922**	**1.731**	*1.681*	*1.831*	*1.950*	*1.848*	*1.762*	**6.842**	*7.076*	*7.391*

- = 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.