

Table 7d. U.S. Electricity Generation by Fuel and Sector (Billion Kilowatthours per day)

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
Electric Power Sector (a)															
Coal	5.571	5.167	5.721	5.138	4.973	4.542	<i>5.410</i>	<i>5.092</i>	<i>5.169</i>	<i>4.612</i>	<i>5.337</i>	<i>5.065</i>	5.399	<i>5.006</i>	<i>5.046</i>
Natural Gas	1.902	2.079	2.791	1.951	1.958	2.127	<i>2.906</i>	<i>1.956</i>	<i>1.788</i>	<i>2.028</i>	<i>3.058</i>	<i>2.064</i>	2.182	<i>2.239</i>	<i>2.238</i>
Other Gases	0.010	0.010	0.009	0.007	0.007	0.008	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.011</i>	<i>0.011</i>	<i>0.010</i>	0.009	<i>0.009</i>	<i>0.010</i>
Petroleum	0.113	0.120	0.122	0.107	0.130	0.098	<i>0.105</i>	<i>0.108</i>	<i>0.116</i>	<i>0.104</i>	<i>0.114</i>	<i>0.107</i>	0.116	<i>0.110</i>	<i>0.110</i>
Residual Fuel Oil	0.052	0.066	0.070	0.055	0.067	0.036	<i>0.040</i>	<i>0.035</i>	<i>0.036</i>	<i>0.033</i>	<i>0.035</i>	<i>0.034</i>	0.060	<i>0.044</i>	<i>0.035</i>
Distillate Fuel Oil	0.022	0.018	0.015	0.015	0.024	0.013	<i>0.012</i>	<i>0.012</i>	<i>0.020</i>	<i>0.013</i>	<i>0.014</i>	<i>0.016</i>	0.017	<i>0.015</i>	<i>0.016</i>
Petroleum Coke	0.036	0.034	0.035	0.035	0.035	0.039	<i>0.052</i>	<i>0.059</i>	<i>0.058</i>	<i>0.057</i>	<i>0.064</i>	<i>0.056</i>	0.035	<i>0.046</i>	<i>0.059</i>
Other Petroleum	0.004	0.003	0.003	0.003	0.005	0.002	<i>0.001</i>	<i>0.001</i>	<i>0.003</i>	<i>0.000</i>	<i>0.001</i>	<i>0.001</i>	0.003	<i>0.002</i>	<i>0.001</i>
Nuclear	2.204	2.115	2.326	2.164	2.274	2.119	<i>2.318</i>	<i>2.150</i>	<i>2.259</i>	<i>2.185</i>	<i>2.324</i>	<i>2.156</i>	2.203	<i>2.215</i>	<i>2.231</i>
Pumped Storage Hydroelectric	-0.019	-0.012	-0.021	-0.016	-0.012	-0.013	<i>-0.017</i>	<i>-0.016</i>	<i>-0.015</i>	<i>-0.015</i>	<i>-0.017</i>	<i>-0.016</i>	-0.017	<i>-0.015</i>	<i>-0.016</i>
Other Fuels (b)	0.018	0.020	0.019	0.018	0.018	0.019	<i>0.020</i>	<i>0.019</i>	<i>0.017</i>	<i>0.018</i>	<i>0.020</i>	<i>0.019</i>	0.019	<i>0.019</i>	<i>0.019</i>
Renewables:															
Conventional Hydroelectric	0.649	0.832	0.657	0.552	0.690	0.876	<i>0.665</i>	<i>0.591</i>	<i>0.744</i>	<i>0.853</i>	<i>0.668</i>	<i>0.598</i>	0.672	<i>0.705</i>	<i>0.715</i>
Geothermal	0.039	0.041	0.042	0.041	0.041	0.040	<i>0.042</i>	<i>0.042</i>	<i>0.042</i>	<i>0.044</i>	<i>0.043</i>	<i>0.043</i>	0.041	<i>0.041</i>	<i>0.043</i>
Solar	0.001	0.003	0.003	0.001	0.001	0.003	<i>0.003</i>	<i>0.001</i>	<i>0.002</i>	<i>0.004</i>	<i>0.006</i>	<i>0.002</i>	0.002	<i>0.002</i>	<i>0.003</i>
Wind	0.138	0.166	0.105	0.160	0.188	0.194	<i>0.137</i>	<i>0.150</i>	<i>0.228</i>	<i>0.241</i>	<i>0.182</i>	<i>0.186</i>	0.142	<i>0.167</i>	<i>0.209</i>
Wood and Wood Waste	0.031	0.027	0.032	0.030	0.030	0.026	<i>0.033</i>	<i>0.031</i>	<i>0.032</i>	<i>0.029</i>	<i>0.033</i>	<i>0.032</i>	0.030	<i>0.030</i>	<i>0.031</i>
Other Renewables	0.039	0.043	0.040	0.040	0.039	0.043	<i>0.047</i>	<i>0.047</i>	<i>0.049</i>	<i>0.050</i>	<i>0.052</i>	<i>0.051</i>	0.041	<i>0.044</i>	<i>0.051</i>
Subtotal Electric Power Sector	10.696	10.611	11.848	10.193	10.338	10.082	<i>11.679</i>	<i>10.180</i>	<i>10.442</i>	<i>10.163</i>	<i>11.831</i>	<i>10.317</i>	10.838	<i>10.572</i>	<i>10.691</i>
Commercial Sector (c)															
Coal	0.003	0.003	0.004	0.003	0.003	0.003	<i>0.003</i>	<i>0.003</i>	<i>0.004</i>	<i>0.003</i>	<i>0.004</i>	<i>0.003</i>	0.003	<i>0.003</i>	<i>0.004</i>
Natural Gas	0.012	0.010	0.012	0.011	0.011	0.011	<i>0.012</i>	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	<i>0.012</i>	<i>0.012</i>	0.011	<i>0.011</i>	<i>0.011</i>
Petroleum	0.000	0.000	0.000	0.000	0.001	0.000	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.000</i>	<i>0.001</i>	<i>0.001</i>	0.000	<i>0.001</i>	<i>0.001</i>
Other Fuels (b)	0.002	0.002	0.002	0.002	0.002	0.002	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	0.002	<i>0.002</i>	<i>0.002</i>
Renewables (d)	0.004	0.005	0.005	0.004	0.004	0.005	<i>0.005</i>	<i>0.004</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.004</i>	0.004	<i>0.004</i>	<i>0.005</i>
Subtotal Commercial Sector	0.021	0.022	0.023	0.021	0.021	0.021	<i>0.023</i>	<i>0.021</i>	<i>0.022</i>	<i>0.022</i>	<i>0.024</i>	<i>0.022</i>	0.022	<i>0.022</i>	<i>0.023</i>
Industrial Sector (c)															
Coal	0.046	0.047	0.050	0.043	0.041	0.040	<i>0.044</i>	<i>0.044</i>	<i>0.045</i>	<i>0.044</i>	<i>0.047</i>	<i>0.045</i>	0.046	<i>0.042</i>	<i>0.045</i>
Natural Gas	0.213	0.201	0.207	0.191	0.201	0.187	<i>0.195</i>	<i>0.187</i>	<i>0.195</i>	<i>0.175</i>	<i>0.193</i>	<i>0.186</i>	0.203	<i>0.192</i>	<i>0.187</i>
Other Gases	0.025	0.024	0.025	0.017	0.018	0.019	<i>0.023</i>	<i>0.017</i>	<i>0.018</i>	<i>0.019</i>	<i>0.023</i>	<i>0.017</i>	0.023	<i>0.020</i>	<i>0.019</i>
Petroleum	0.009	0.007	0.008	0.008	0.010	0.008	<i>0.008</i>	<i>0.009</i>	<i>0.010</i>	<i>0.008</i>	<i>0.008</i>	<i>0.009</i>	0.008	<i>0.009</i>	<i>0.009</i>
Other Fuels (b)	0.007	0.008	0.008	0.006	0.008	0.009	<i>0.008</i>	<i>0.006</i>	<i>0.008</i>	<i>0.009</i>	<i>0.008</i>	<i>0.006</i>	0.007	<i>0.008</i>	<i>0.008</i>
Renewables:															
Conventional Hydroelectric	0.008	0.005	0.004	0.004	0.005	0.005	<i>0.004</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.004</i>	<i>0.004</i>	0.005	<i>0.005</i>	<i>0.005</i>
Wood and Wood Waste	0.077	0.076	0.079	0.073	0.071	0.068	<i>0.073</i>	<i>0.073</i>	<i>0.070</i>	<i>0.066</i>	<i>0.074</i>	<i>0.073</i>	0.076	<i>0.071</i>	<i>0.071</i>
Other Renewables (e)	0.002	0.002	0.002	0.001	0.002	0.001	<i>0.001</i>	<i>0.001</i>	<i>0.002</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.002	<i>0.001</i>	<i>0.001</i>
Subtotal Industrial Sector	0.385	0.372	0.383	0.343	0.356	0.339	<i>0.356</i>	<i>0.341</i>	<i>0.354</i>	<i>0.328</i>	<i>0.358</i>	<i>0.342</i>	0.371	<i>0.348</i>	<i>0.345</i>
Total All Sectors	11.103	11.004	12.253	10.557	10.715	10.442	<i>12.059</i>	<i>10.543</i>	<i>10.818</i>	<i>10.513</i>	<i>12.214</i>	<i>10.681</i>	11.230	<i>10.942</i>	<i>11.059</i>

- = no data available

(a) Electric utilities and independent power producers.

(b) "Other" includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies.

(c) Commercial and industrial sectors include electricity output from combined heat and power (CHP) facilities and some electric-only plants.

(d) "Renewables" in commercial sector includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

(e) "Other Renewables" in industrial sector includes black liquor, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Values of 0.000 may indicate positive levels of generation that are less than 0.0005 billion kilowatthours per day.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.