

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

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
Electric Power Sector (a)															
Coal	5.498	5.206	5.882	5.353	5.561	5.163	5.750	<i>5.360</i>	<i>5.429</i>	<i>5.067</i>	<i>5.806</i>	<i>5.341</i>	5.485	<i>5.459</i>	<i>5.412</i>
Natural Gas	1.722	2.084	3.092	2.009	1.899	2.061	2.761	<i>1.924</i>	<i>1.749</i>	<i>2.067</i>	<i>2.951</i>	<i>1.904</i>	2.230	<i>2.162</i>	<i>2.171</i>
Other Gases	0.011	0.010	0.011	0.010	0.016	0.015	0.014	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	<i>0.010</i>	0.011	<i>0.014</i>	<i>0.011</i>
Petroleum	0.212	0.160	0.183	0.119	0.115	0.119	0.124	<i>0.150</i>	<i>0.180</i>	<i>0.154</i>	<i>0.188</i>	<i>0.162</i>	0.168	<i>0.127</i>	<i>0.171</i>
Residual Fuel Oil	0.136	0.098	0.117	0.064	0.053	0.065	0.071	<i>0.081</i>	<i>0.101</i>	<i>0.080</i>	<i>0.099</i>	<i>0.062</i>	0.104	<i>0.068</i>	<i>0.086</i>
Distillate Fuel Oil	0.029	0.018	0.023	0.017	0.022	0.018	0.016	<i>0.019</i>	<i>0.024</i>	<i>0.019</i>	<i>0.020</i>	<i>0.020</i>	0.022	<i>0.019</i>	<i>0.021</i>
Petroleum Coke	0.040	0.040	0.039	0.035	0.035	0.032	0.034	<i>0.047</i>	<i>0.051</i>	<i>0.052</i>	<i>0.067</i>	<i>0.077</i>	0.038	<i>0.037</i>	<i>0.062</i>
Other Petroleum	0.006	0.004	0.005	0.003	0.004	0.003	0.003	<i>0.003</i>	<i>0.004</i>	<i>0.002</i>	<i>0.003</i>	<i>0.002</i>	0.004	<i>0.003</i>	<i>0.003</i>
Nuclear	2.262	2.102	2.316	2.159	2.201	2.114	2.324	<i>2.139</i>	<i>2.235</i>	<i>2.164</i>	<i>2.303</i>	<i>2.138</i>	2.210	<i>2.195</i>	<i>2.210</i>
Pumped Storage Hydroelectric	-0.016	-0.016	-0.022	-0.023	-0.018	-0.012	-0.022	<i>-0.020</i>	<i>-0.018</i>	<i>-0.016</i>	<i>-0.019</i>	<i>-0.017</i>	-0.019	<i>-0.018</i>	<i>-0.017</i>
Other Fuels (b)	0.019	0.020	0.020	0.019	0.019	0.022	0.019	<i>0.020</i>	<i>0.022</i>	<i>0.022</i>	<i>0.024</i>	<i>0.022</i>	0.020	<i>0.020</i>	<i>0.022</i>
Renewables:															
Conventional Hydroelectric	0.761	0.791	0.618	0.529	0.710	0.885	0.681	<i>0.576</i>	<i>0.714</i>	<i>0.805</i>	<i>0.675</i>	<i>0.594</i>	0.674	<i>0.713</i>	<i>0.697</i>
Geothermal	0.041	0.039	0.041	0.041	0.038	0.041	0.040	<i>0.041</i>	<i>0.043</i>	<i>0.042</i>	<i>0.043</i>	<i>0.043</i>	0.041	<i>0.040</i>	<i>0.043</i>
Solar	0.001	0.002	0.002	0.001	0.001	0.003	0.003	<i>0.001</i>	<i>0.001</i>	<i>0.003</i>	<i>0.003</i>	<i>0.001</i>	0.002	<i>0.002</i>	<i>0.002</i>
Wind	0.090	0.093	0.076	0.094	0.122	0.146	0.089	<i>0.102</i>	<i>0.130</i>	<i>0.159</i>	<i>0.120</i>	<i>0.121</i>	0.088	<i>0.115</i>	<i>0.133</i>
Wood and Wood Waste	0.030	0.026	0.029	0.028	0.030	0.026	0.031	<i>0.030</i>	<i>0.031</i>	<i>0.028</i>	<i>0.032</i>	<i>0.030</i>	0.028	<i>0.029</i>	<i>0.030</i>
Other Renewables	0.041	0.039	0.041	0.039	0.038	0.041	0.038	<i>0.039</i>	<i>0.040</i>	<i>0.042</i>	<i>0.044</i>	<i>0.043</i>	0.040	<i>0.039</i>	<i>0.042</i>
Subtotal Electric Power Sector	10.670	10.558	12.290	10.378	10.733	10.625	11.851	<i>10.374</i>	<i>10.568</i>	<i>10.547</i>	<i>12.183</i>	<i>10.392</i>	10.977	<i>10.897</i>	<i>10.925</i>
Commercial Sector (c)															
Coal	0.004	0.003	0.004	0.004	0.005	0.004	0.004	<i>0.003</i>	<i>0.004</i>	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	0.004	<i>0.004</i>	<i>0.003</i>
Natural Gas	0.012	0.012	0.013	0.012	0.013	0.011	0.012	<i>0.011</i>	<i>0.013</i>	<i>0.011</i>	<i>0.013</i>	<i>0.012</i>	0.012	<i>0.012</i>	<i>0.012</i>
Petroleum	0.001	0.000	0.000	0.000	0.000	0.000	0.000	<i>0.000</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.001	<i>0.000</i>	<i>0.001</i>
Other Fuels (b)	0.002	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>	0.002	<i>0.002</i>	<i>0.002</i>
Renewables (d)	0.004	0.004	0.005	0.005	0.004	0.005	0.005	<i>0.004</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.004	<i>0.004</i>	<i>0.005</i>
Subtotal Commercial Sector	0.023	0.023	0.024	0.023	0.024	0.023	0.023	<i>0.021</i>	<i>0.023</i>	<i>0.022</i>	<i>0.024</i>	<i>0.023</i>	0.023	<i>0.023</i>	<i>0.023</i>
Industrial Sector (c)															
Coal	0.048	0.047	0.049	0.045	0.046	0.048	0.049	<i>0.047</i>	<i>0.046</i>	<i>0.044</i>	<i>0.047</i>	<i>0.046</i>	0.047	<i>0.048</i>	<i>0.046</i>
Natural Gas	0.201	0.194	0.216	0.209	0.208	0.195	0.207	<i>0.206</i>	<i>0.222</i>	<i>0.215</i>	<i>0.237</i>	<i>0.217</i>	0.205	<i>0.204</i>	<i>0.223</i>
Other Gases	0.032	0.034	0.032	0.028	0.028	0.030	0.031	<i>0.028</i>	<i>0.030</i>	<i>0.032</i>	<i>0.035</i>	<i>0.029</i>	0.032	<i>0.029</i>	<i>0.032</i>
Petroleum	0.013	0.012	0.010	0.010	0.008	0.007	0.007	<i>0.010</i>	<i>0.011</i>	<i>0.010</i>	<i>0.011</i>	<i>0.012</i>	0.011	<i>0.008</i>	<i>0.011</i>
Other Fuels (b)	0.016	0.017	0.016	0.016	0.009	0.008	0.007	<i>0.016</i>	<i>0.010</i>	<i>0.009</i>	<i>0.008</i>	<i>0.016</i>	0.016	<i>0.010</i>	<i>0.011</i>
Renewables:															
Conventional Hydroelectric	0.009	0.007	0.005	0.004	0.009	0.006	0.003	<i>0.004</i>	<i>0.010</i>	<i>0.007</i>	<i>0.003</i>	<i>0.004</i>	0.006	<i>0.006</i>	<i>0.006</i>
Wood and Wood Waste	0.075	0.076	0.079	0.078	0.075	0.074	0.075	<i>0.078</i>	<i>0.080</i>	<i>0.080</i>	<i>0.085</i>	<i>0.081</i>	0.077	<i>0.076</i>	<i>0.081</i>
Other Renewables (e)	0.002	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>	0.002	<i>0.002</i>	<i>0.002</i>
Subtotal Industrial Sector	0.395	0.388	0.409	0.391	0.385	0.371	0.382	<i>0.391</i>	<i>0.411</i>	<i>0.399</i>	<i>0.427</i>	<i>0.408</i>	0.396	<i>0.382</i>	<i>0.412</i>
Total All Sectors	11.089	10.968	12.723	10.792	11.142	11.020	12.256	<i>10.786</i>	<i>11.002</i>	<i>10.969</i>	<i>12.634</i>	<i>10.823</i>	11.396	<i>11.302</i>	<i>11.360</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.