

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

Energy Information Administration/Short-Term Energy Outlook - October 2011

	2010				2011				2012				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2010	2011	2012
Electric Power Sector (a)															
Coal	5.181	4.750	5.450	4.688	4.887	4.570	5.516	<i>4.760</i>	<i>5.103</i>	<i>4.313</i>	<i>4.908</i>	<i>4.705</i>	5.017	<i>4.934</i>	<i>4.757</i>
Natural Gas	2.011	2.306	3.329	2.188	2.059	2.378	3.290	<i>2.248</i>	<i>2.083</i>	<i>2.466</i>	<i>3.426</i>	<i>2.293</i>	2.461	<i>2.497</i>	<i>2.569</i>
Other Gases	0.009	0.009	0.008	0.006	0.008	0.008	0.009	<i>0.008</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	0.008	<i>0.008</i>	<i>0.009</i>
Petroleum	0.094	0.095	0.111	0.078	0.082	0.070	0.093	<i>0.074</i>	<i>0.077</i>	<i>0.081</i>	<i>0.087</i>	<i>0.077</i>	0.094	<i>0.080</i>	<i>0.080</i>
Residual Fuel Oil	0.034	0.042	0.054	0.027	0.025	0.024	0.041	<i>0.022</i>	<i>0.021</i>	<i>0.028</i>	<i>0.033</i>	<i>0.023</i>	0.039	<i>0.028</i>	<i>0.026</i>
Distillate Fuel Oil	0.023	0.016	0.019	0.020	0.017	0.018	0.016	<i>0.014</i>	<i>0.015</i>	<i>0.015</i>	<i>0.014</i>	<i>0.016</i>	0.020	<i>0.016</i>	<i>0.015</i>
Petroleum Coke	0.034	0.034	0.035	0.028	0.037	0.026	0.039	<i>0.035</i>	<i>0.036</i>	<i>0.035</i>	<i>0.037</i>	<i>0.034</i>	0.033	<i>0.035</i>	<i>0.036</i>
Other Petroleum	0.003	0.002	0.002	0.003	0.003	0.002	0.003	<i>0.003</i>	<i>0.005</i>	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	0.002	<i>0.002</i>	<i>0.003</i>
Nuclear	2.249	2.116	2.314	2.164	2.258	1.943	2.255	<i>2.093</i>	<i>2.230</i>	<i>2.181</i>	<i>2.321</i>	<i>2.152</i>	2.211	<i>2.137</i>	<i>2.221</i>
Pumped Storage Hydroelectric	-0.008	-0.008	-0.015	-0.014	-0.011	-0.016	-0.021	<i>-0.016</i>	<i>-0.016</i>	<i>-0.015</i>	<i>-0.020</i>	<i>-0.016</i>	-0.011	<i>-0.016</i>	<i>-0.017</i>
Renewables:															
Conventional Hydroelectric	0.697	0.797	0.658	0.647	0.900	1.051	0.832	<i>0.643</i>	<i>0.754</i>	<i>0.913</i>	<i>0.667</i>	<i>0.643</i>	0.700	<i>0.856</i>	<i>0.744</i>
Geothermal	0.044	0.043	0.042	0.043	0.046	0.044	0.044	<i>0.044</i>	<i>0.045</i>	<i>0.044</i>	<i>0.046</i>	<i>0.046</i>	0.043	<i>0.045</i>	<i>0.045</i>
Solar	0.001	0.005	0.005	0.002	0.003	0.007	0.007	<i>0.002</i>	<i>0.004</i>	<i>0.011</i>	<i>0.012</i>	<i>0.004</i>	0.004	<i>0.005</i>	<i>0.008</i>
Wind	0.235	0.291	0.221	0.290	0.329	0.382	0.269	<i>0.329</i>	<i>0.360</i>	<i>0.410</i>	<i>0.310</i>	<i>0.387</i>	0.259	<i>0.327</i>	<i>0.366</i>
Wood and Wood Waste	0.032	0.029	0.034	0.030	0.030	0.026	0.032	<i>0.030</i>	<i>0.031</i>	<i>0.028</i>	<i>0.034</i>	<i>0.033</i>	0.032	<i>0.030</i>	<i>0.032</i>
Other Renewables	0.042	0.045	0.044	0.045	0.042	0.046	0.045	<i>0.043</i>	<i>0.045</i>	<i>0.048</i>	<i>0.050</i>	<i>0.048</i>	0.044	<i>0.044</i>	<i>0.048</i>
Other Fuels (b)	0.017	0.020	0.020	0.019	0.017	0.019	0.019	<i>0.019</i>	<i>0.020</i>	<i>0.021</i>	<i>0.021</i>	<i>0.020</i>	0.019	<i>0.019</i>	<i>0.020</i>
Subtotal Electric Power Sector	10.605	10.497	12.221	10.187	10.650	10.529	12.390	<i>10.280</i>	<i>10.744</i>	<i>10.509</i>	<i>11.871</i>	<i>10.401</i>	10.880	<i>10.965</i>	<i>10.883</i>
Commercial Sector (c)															
Coal	0.003	0.003	0.003	0.003	0.003	0.002	0.003	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	0.003	<i>0.003</i>	<i>0.003</i>
Natural Gas	0.011	0.011	0.014	0.012	0.011	0.011	0.013	<i>0.012</i>	<i>0.012</i>	<i>0.011</i>	<i>0.013</i>	<i>0.012</i>	0.012	<i>0.012</i>	<i>0.012</i>
Petroleum	0.000	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>	0.000	<i>0.000</i>	<i>0.000</i>
Renewables (d)	0.004	0.005	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>0.004</i>	0.005	<i>0.005</i>	<i>0.005</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>
Subtotal Commercial Sector	0.022	0.022	0.025	0.022	0.022	0.021	0.023	<i>0.021</i>	<i>0.022</i>	<i>0.022</i>	<i>0.024</i>	<i>0.022</i>	0.023	<i>0.022</i>	<i>0.022</i>
Industrial Sector (c)															
Coal	0.052	0.047	0.055	0.048	0.049	0.047	0.051	<i>0.048</i>	<i>0.050</i>	<i>0.050</i>	<i>0.054</i>	<i>0.051</i>	0.051	<i>0.049</i>	<i>0.051</i>
Natural Gas	0.216	0.211	0.228	0.211	0.209	0.212	0.217	<i>0.210</i>	<i>0.223</i>	<i>0.216</i>	<i>0.232</i>	<i>0.218</i>	0.216	<i>0.212</i>	<i>0.223</i>
Other Gases	0.022	0.023	0.024	0.022	0.022	0.022	0.025	<i>0.022</i>	<i>0.023</i>	<i>0.023</i>	<i>0.028</i>	<i>0.024</i>	0.023	<i>0.023</i>	<i>0.025</i>
Petroleum	0.007	0.007	0.007	0.006	0.006	0.005	0.005	<i>0.005</i>	<i>0.006</i>	<i>0.005</i>	<i>0.006</i>	<i>0.006</i>	0.006	<i>0.005</i>	<i>0.006</i>
Renewables:															
Conventional Hydroelectric	0.006	0.005	0.003	0.004	0.005	0.006	0.003	<i>0.004</i>	<i>0.006</i>	<i>0.006</i>	<i>0.003</i>	<i>0.004</i>	0.004	<i>0.005</i>	<i>0.005</i>
Wood and Wood Waste	0.072	0.072	0.075	0.072	0.067	0.068	0.073	<i>0.071</i>	<i>0.071</i>	<i>0.070</i>	<i>0.078</i>	<i>0.074</i>	0.072	<i>0.070</i>	<i>0.073</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>
Other Fuels (b)	0.009	0.010	0.011	0.009	0.008	0.009	0.010	<i>0.009</i>	<i>0.009</i>	<i>0.010</i>	<i>0.011</i>	<i>0.010</i>	0.010	<i>0.009</i>	<i>0.010</i>
Subtotal Industrial Sector	0.384	0.377	0.404	0.374	0.368	0.371	0.385	<i>0.371</i>	<i>0.390</i>	<i>0.383</i>	<i>0.414</i>	<i>0.389</i>	0.385	<i>0.374</i>	<i>0.394</i>
Total All Sectors	11.011	10.897	12.650	10.583	11.039	10.921	12.799	<i>10.673</i>	<i>11.156</i>	<i>10.914</i>	<i>12.309</i>	<i>10.812</i>	11.288	<i>11.361</i>	<i>11.299</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.