

**Table E5. Industrial Sector Energy Price Estimates, 2016**  
(Dollars per Million Btu)

State	Primary Energy												Retail Electricity	Total Energy <sup>f,g</sup>
	Coal			Natural Gas <sup>a</sup>	Petroleum						Biomass			
	Coking Coal	Steam Coal	Total		Distillate Fuel Oil	HGL <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total	Wood and Waste <sup>e</sup>	Total <sup>f,g</sup>		
Alabama	3.44	3.46	3.45	3.69	12.00	6.66	16.29	7.18	15.14	12.88	2.96	4.62	17.71	7.23
Alaska	—	5.22	5.22	5.05	16.34	11.68	24.05	—	15.07	15.93	2.28	15.64	44.60	18.96
Arizona	—	2.87	2.87	5.56	12.95	12.33	19.35	—	14.03	14.20	2.41	11.62	17.78	13.89
Arkansas	—	2.96	2.96	5.71	12.29	6.82	16.49	7.35	13.46	12.81	2.93	6.55	17.81	9.09
California	—	3.38	3.38	6.56	13.18	15.13	21.99	6.11	19.70	17.28	2.69	8.86	34.94	12.84
Colorado	—	3.03	3.03	4.62	11.61	10.18	17.37	—	17.90	14.86	2.41	8.18	21.54	11.83
Connecticut	—	—	—	5.91	12.81	13.17	18.67	7.60	16.12	15.76	2.63	9.93	37.55	15.66
Delaware	—	3.18	3.18	8.58	10.53	11.28	18.31	5.88	13.40	12.97	1.03	9.12	23.78	11.66
Dist. of Col.	—	—	—	—	11.34	—	19.25	—	9.96	10.50	—	10.50	25.80	12.79
Florida	—	3.51	3.51	5.62	12.89	10.88	17.13	7.38	14.42	14.14	2.54	7.19	22.53	9.47
Georgia	—	3.80	3.80	3.99	12.64	10.68	16.66	7.24	15.51	13.96	2.92	5.45	17.10	7.87
Hawaii	—	3.46	3.46	16.00	12.75	12.15	24.05	6.44	16.00	15.27	0.78	10.51	60.65	37.45
Idaho	—	2.24	2.24	4.97	11.96	10.49	18.65	6.12	15.06	13.69	2.92	7.02	19.20	10.35
Illinois	3.59	2.20	2.69	4.87	11.74	6.02	17.43	7.34	17.69	12.32	1.67	6.93	19.07	9.72
Indiana	3.62	3.24	3.49	4.82	11.56	9.81	16.84	7.39	13.04	12.53	1.86	5.48	20.44	8.43
Iowa	—	2.37	2.37	4.45	12.08	6.63	17.13	—	15.18	10.38	1.60	6.04	17.73	8.05
Kansas	—	2.45	2.45	3.57	12.14	9.77	17.02	7.35	15.90	13.04	0.83	6.41	21.94	9.17
Kentucky	—	3.47	3.47	3.66	12.08	7.91	17.42	7.32	9.72	9.98	2.92	6.03	16.61	9.01
Louisiana	—	5.35	5.35	3.04	12.08	6.56	16.38	5.41	11.33	8.60	2.85	5.52	14.88	5.94
Maine	—	5.21	5.21	7.46	12.71	13.06	18.56	7.54	13.17	13.15	2.93	5.73	26.26	8.34
Maryland	—	2.55	2.55	8.37	11.37	11.95	18.40	6.23	14.14	13.81	2.93	9.22	23.11	11.49
Massachusetts	—	5.24	5.24	7.18	12.80	13.15	18.12	7.59	17.50	16.69	2.00	10.63	39.20	17.63
Michigan	3.94	3.17	3.60	5.51	12.08	9.72	17.02	7.32	13.58	13.22	2.69	7.01	20.25	10.21
Minnesota	—	2.75	2.75	4.05	13.51	9.80	17.28	7.38	13.69	13.45	2.88	6.68	21.61	9.57
Mississippi	—	—	—	4.23	12.34	6.85	16.35	7.39	14.39	13.06	2.96	5.47	16.98	8.16
Missouri	—	2.62	2.62	6.15	11.88	9.56	16.63	7.20	11.28	11.77	1.92	8.36	20.87	11.27
Montana	—	2.27	2.27	5.49	11.29	9.89	18.57	—	11.17	11.82	2.17	8.29	14.82	9.81
Nebraska	—	1.62	1.62	3.82	12.02	9.68	17.60	—	15.21	12.85	1.15	5.90	22.54	9.12
Nevada	—	3.09	3.09	5.67	13.10	12.48	20.14	—	15.68	14.40	2.41	10.02	17.23	13.32
New Hampshire	—	—	—	8.34	12.05	12.38	18.02	7.15	17.94	15.92	1.09	10.44	36.16	17.32
New Jersey	—	—	—	6.31	11.47	17.09	17.73	—	17.43	16.06	2.34	12.20	29.78	15.52
New Mexico	—	2.63	2.63	4.00	12.13	6.73	17.01	—	20.09	15.41	1.95	12.18	17.11	14.25
New York	3.40	3.66	3.60	5.74	11.26	11.73	18.11	6.10	14.30	14.16	2.27	9.16	17.67	11.18
North Carolina	—	3.68	3.68	5.25	12.74	10.75	17.95	7.29	16.99	15.25	2.93	7.65	18.50	10.44
North Dakota	—	1.86	1.86	2.41	11.97	9.63	18.19	—	17.96	12.92	1.08	4.77	23.39	7.11
Ohio	3.59	3.45	3.57	4.48	12.05	9.70	17.94	7.30	15.24	14.00	2.02	6.37	20.45	9.73
Oklahoma	—	3.04	3.04	7.67	11.91	9.59	16.66	7.22	19.91	14.88	2.18	8.44	14.71	9.58
Oregon	—	—	—	5.35	12.26	11.68	20.66	6.19	17.90	15.09	2.79	7.66	17.74	10.17
Pennsylvania	3.49	3.12	3.42	7.10	11.60	16.13	18.80	8.03	15.69	14.74	2.30	7.61	20.29	10.51
Rhode Island	—	—	—	8.44	12.89	13.25	18.51	7.65	12.91	13.21	1.33	10.64	39.52	14.54
South Carolina	—	3.59	3.59	4.07	12.89	10.88	16.89	7.38	11.86	12.20	2.91	5.66	17.85	9.24
South Dakota	—	2.37	2.37	4.53	11.89	9.57	17.73	7.20	17.87	13.40	2.41	6.76	22.19	8.65
Tennessee	—	3.29	3.29	4.28	12.19	9.81	16.91	7.39	15.47	14.85	2.86	6.43	16.65	8.65
Texas	—	3.99	3.99	2.57	12.26	7.74	16.29	8.83	12.57	9.07	2.35	6.73	15.61	7.41
Utah	—	2.19	2.19	5.28	11.96	10.48	18.56	—	18.42	14.86	2.41	8.17	18.54	11.22
Vermont	—	—	—	5.08	12.77	13.12	18.65	7.57	13.59	13.48	2.23	11.49	29.97	17.36
Virginia	3.42	3.28	3.37	4.21	12.80	10.81	17.43	7.33	15.05	13.99	2.94	6.02	19.21	8.62
Washington	—	5.64	5.64	6.92	13.06	12.44	20.53	—	10.03	11.95	2.84	7.03	12.99	8.86
West Virginia	3.51	4.48	3.96	2.21	12.89	17.15	18.82	7.38	14.59	14.93	2.41	7.27	19.25	10.89
Wisconsin	—	3.66	3.66	4.83	11.97	9.63	18.00	7.25	15.07	13.69	2.81	6.92	21.97	10.41
Wyoming	—	2.14	2.14	3.69	11.74	10.29	17.39	—	17.29	13.23	2.41	5.87	20.29	9.15
United States	3.56	2.88	3.15	4.38	12.34	7.79	18.13	7.39	13.85	11.07	2.77	6.78	19.91	8.97

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>c</sup> Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.  
<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>e</sup> Wood, wood-derived fuels, and biomass waste.  
<sup>f</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<sup>g</sup> The U.S. average includes coal coke net imports, which are not allocated to the states.  
 — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.  
 Note: The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.  
 Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.