

**Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2019, Iowa**

Year	Primary Energy								Electricity Retail Sales	Total Energy <sup>e</sup>
	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum				Biomass	Total <sup>e</sup>		
			Distillate Fuel Oil	HGL <sup>c</sup>	Kerosene	Total				
Prices in Dollars per Million Btu										
1970	1.27	0.96	1.22	1.82	1.57	1.62	0.61	1.16	7.75	2.05
1975	3.69	1.42	2.56	3.55	2.99	3.27	1.20	1.96	10.46	3.44
1980	3.31	3.18	6.79	6.86	8.10	6.84	3.06	4.12	16.13	6.83
1985	3.41	5.33	5.94	5.62	7.85	5.81	3.46	5.37	22.53	9.54
1990	2.41	4.96	5.73	7.19	8.20	6.73	3.56	5.21	22.89	10.18
1995	2.31	5.07	4.95	6.54	4.97	6.19	2.90	5.24	24.14	10.40
2000	2.39	7.77	9.03	9.07	9.18	9.07	4.41	8.00	24.54	12.78
2001	2.34	8.87	8.81	10.32	9.19	10.09	4.22	8.96	24.65	13.98
2002	2.65	7.06	7.87	8.42	8.44	8.33	3.82	7.25	24.47	12.69
2003	2.79	9.11	9.31	9.68	9.99	9.64	4.59	9.10	25.11	14.02
2004	3.34	10.11	11.04	11.50	11.10	11.45	5.21	10.27	26.27	15.48
2005	3.67	12.22	15.16	13.96	15.34	14.05	6.91	12.49	27.17	17.52
2006	4.51	12.26	17.37	15.86	19.50	15.99	7.96	12.95	28.23	18.39
2007	4.13	11.64	19.47	17.73	22.12	17.87	8.79	12.80	27.68	18.03
2008	—	11.79	23.95	21.81	23.36	21.97	10.83	14.15	27.81	18.54
2009	—	9.76	16.27	18.27	23.70	18.19	8.13	11.74	29.27	17.53
2010	—	9.51	19.64	18.16	25.17	18.28	9.60	11.36	30.54	18.21
2011	—	9.46	27.36	20.07	28.49	20.64	11.54	11.94	30.67	18.58
2012	—	9.33	27.27	17.14	29.88	17.65	12.85	11.12	31.71	19.24
2013	—	8.74	28.29	16.54	30.54	17.03	12.58	10.41	32.36	17.98
2014	—	9.64	27.34	22.75	32.87	22.96	12.27	12.16	32.71	18.93
2015	—	8.08	17.90	13.19	16.97	13.42	8.45	9.10	34.10	18.11
2016	—	7.70	15.49	10.65	13.53	10.84	7.22	8.31	34.99	18.16
2017	—	8.81	17.64	13.82	16.92	14.07	8.08	9.82	36.16	19.49
2018	—	8.44	19.24	14.80	26.07	14.98	8.94	9.99	35.89	<sup>R</sup> 18.67
2019	—	7.70	18.06	13.86	22.82	14.01	8.60	9.30	36.52	18.09
Expenditures in Million Dollars										
1970	2.6	92.9	15.8	50.4	2.9	69.2	0.2	164.9	171.3	336.2
1975	2.8	134.7	26.9	98.0	2.3	127.3	0.5	265.2	297.5	562.7
1980	1.3	271.2	94.5	108.5	2.2	205.1	5.2	482.8	552.6	1,035.4
1985	4.5	424.1	51.6	68.4	5.1	125.1	7.4	561.0	757.4	1,318.4
1990	2.8	356.3	30.9	80.2	1.1	112.3	7.8	479.2	821.2	1,300.4
1995	0.7	418.8	22.5	105.5	0.7	128.7	5.6	553.7	958.7	1,512.4
2000	1.8	576.8	25.3	195.8	1.4	222.5	6.6	807.7	1,007.3	1,815.0
2001	1.7	632.6	21.3	143.2	1.9	166.4	6.3	807.0	1,045.2	1,852.2
2002	2.4	506.5	26.6	151.2	1.1	178.8	5.8	693.6	1,078.9	1,772.5
2003	2.5	676.6	21.1	183.4	1.1	205.6	7.3	892.0	1,094.0	1,986.0
2004	1.4	692.8	20.7	191.2	1.7	213.6	8.5	916.3	1,131.6	2,047.9
2005	1.9	827.4	20.0	246.4	1.9	268.3	9.4	1,107.1	1,258.2	2,365.3
2006	2.9	768.1	24.3	259.2	1.7	285.2	9.6	1,065.8	1,285.3	2,351.1
2007	3.1	796.8	25.8	295.5	1.2	322.6	11.8	1,134.3	1,328.2	2,462.4
2008	—	898.6	39.6	479.1	0.8	519.5	16.2	1,434.3	1,335.6	2,769.9
2009	—	689.2	17.1	391.2	1.9	410.2	14.2	1,113.6	1,370.6	2,484.2
2010	—	654.4	21.6	320.8	2.1	344.6	18.0	1,016.9	1,516.9	2,533.8
2011	—	640.1	39.9	358.1	1.8	399.7	21.0	1,060.8	1,499.1	2,560.0
2012	—	528.4	20.1	245.6	0.3	266.0	19.5	813.9	1,513.4	2,327.3
2013	—	651.9	20.9	288.7	0.3	309.9	25.0	986.8	1,615.0	2,601.8
2014	—	767.3	21.2	405.0	0.7	426.9	24.6	1,218.8	1,610.0	2,828.8
2015	—	533.9	14.0	198.2	0.2	212.4	13.8	760.1	1,604.0	2,364.0
2016	—	497.9	9.7	163.9	0.4	174.0	<sup>R</sup> 9.9	681.8	1,682.4	<sup>R</sup> 2,364.3
2017	—	561.4	17.2	201.6	0.5	219.2	<sup>R</sup> 10.7	<sup>R</sup> 791.3	1,692.8	<sup>R</sup> 2,484.1
2018	—	<sup>R</sup> 634.3	17.5	335.1	0.4	353.0	<sup>R</sup> 14.6	<sup>R</sup> 1,001.9	1,817.1	<sup>R</sup> 2,819.0
2019	—	584.6	15.3	348.7	0.6	364.7	15.2	964.5	1,805.9	2,770.4

<sup>a</sup> Beginning in 2008, consumption data are no longer collected and are assumed to be zero.  
<sup>b</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>d</sup> Wood and wood-derived fuels.  
<sup>e</sup> There are no direct fuel costs for geothermal or solar energy.

Where shown, R = Revised data, — = No consumption, and (s) = Value less than 0.05 million dollars.  
 Note: Expenditure totals may not equal sum of components due to independent rounding.  
 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.