

Table WF01. Average Consumer Prices and Expenditures for Heating Fuels During the Winter

U.S. Energy Information Administration | Short-Term Energy Outlook - November 2020

Fuel / Region	Winter of							Forecast	
	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	71.7	72.3	57.4	61.5	65.3	66.8	61.1	67.4	10.3
Price (\$/mcf)	11.52	10.80	10.18	10.70	11.37	11.67	11.69	10.98	-6.0
Expenditures (\$)	826	780	584	659	742	780	714	740	3.6
Midwest									
Consumption (Mcf)	84.2	79.1	63.6	64.8	73.9	76.9	69.7	77.0	10.3
Price (\$/mcf)	8.68	8.54	7.55	8.28	7.83	7.82	7.39	7.73	4.6
Expenditures (\$)	731	676	480	536	578	601	516	595	15.5
South									
Consumption (Mcf)	52.7	50.9	40.3	37.9	45.5	45.9	41.5	46.4	12.0
Price (\$/mcf)	10.71	10.75	10.72	12.04	11.23	10.61	11.10	10.78	-3.0
Expenditures (\$)	564	547	432	457	512	488	460	500	8.7
West									
Consumption (Mcf)	45.2	40.1	44.7	45.6	43.8	48.8	47.4	48.1	1.4
Price (\$/mcf)	9.96	10.71	9.92	10.68	10.25	10.15	10.56	11.05	4.7
Expenditures (\$)	450	430	443	487	449	495	501	532	6.2
U.S. Average									
Consumption (Mcf)	63.9	60.7	51.8	52.9	57.6	60.2	55.5	60.2	8.4
Price (\$/mcf)	9.95	9.89	9.28	10.06	9.82	9.72	9.73	9.76	0.3
Expenditures (\$)	636	600	481	533	565	586	540	587	8.8
Heating Oil									
U.S. Average									
Consumption (gallons)	547.5	548.2	436.6	468.2	495.6	512.0	467.8	517.5	10.6
Price (\$/gallon)	3.87	3.04	2.06	2.41	2.78	3.07	2.89	2.33	-19.3
Expenditures (\$)	2,121	1,668	900	1,128	1,376	1,570	1,352	1,207	-10.8
Electricity									
Northeast									
Consumption (kWh***)	8,879	8,927	7,705	8,050	8,346	8,481	8,015	8,640	7.8
Price (\$/kwh)	0.163	0.168	0.164	0.165	0.169	0.169	0.171	0.171	-0.5
Expenditures (\$)	1,448	1,501	1,263	1,324	1,407	1,434	1,374	1,474	7.3
Midwest									
Consumption (kWh)	11,362	10,816	9,365	9,479	10,381	10,709	10,006	10,813	8.1
Price (\$/kwh)	0.112	0.118	0.122	0.124	0.124	0.123	0.124	0.125	0.5
Expenditures (\$)	1,275	1,274	1,138	1,172	1,289	1,319	1,245	1,352	8.6
South									
Consumption (kWh)	10,488	10,302	8,782	8,511	9,544	9,535	8,896	9,784	10.0
Price (\$/kwh)	0.109	0.111	0.110	0.111	0.112	0.113	0.115	0.112	-2.2
Expenditures (\$)	1,141	1,141	968	948	1,065	1,073	1,021	1,098	7.6
West									
Consumption (kWh)	8,487	7,830	8,441	8,560	8,329	8,986	8,813	9,010	2.2
Price (\$/kwh)	0.123	0.127	0.130	0.132	0.136	0.136	0.138	0.142	3.0
Expenditures (\$)	1,045	993	1,095	1,128	1,130	1,222	1,216	1,280	5.3
U.S. Average									
Consumption (kWh)	9,729	9,418	8,456	8,424	9,049	9,255	8,765	9,460	7.9
Price (\$/kwh)	0.120	0.123	0.124	0.125	0.126	0.127	0.129	0.128	-0.4
Expenditures (\$)	1,163	1,158	1,044	1,055	1,142	1,173	1,128	1,212	7.5

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	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	% Change
Propane									
Northeast									
Consumption (gallons)	624.5	629.7	505.7	542.6	569.3	585.8	538.4	590.5	9.7
Price* (\$/gallon)	3.56	3.00	2.71	3.06	3.26	3.22	2.61	2.66	1.9
Expenditures (\$)	2,223	1,889	1,371	1,660	1,856	1,886	1,405	1,571	11.8
Midwest									
Consumption (gallons)	808.4	755.9	618.2	628.9	715.1	746.8	679.4	743.6	9.4
Price* (\$/gallon)	2.61	1.91	1.47	1.73	1.95	1.83	1.58	1.53	-2.9
Expenditures (\$)	2,110	1,444	909	1,088	1,394	1,367	1,071	1,138	6.2
Number of households by primary space heating fuel (thousands)									
Northeast									
Natural gas	11,529	11,705	11,802	11,918	12,063	12,167	12,389	12,516	1.0
Heating oil	5,244	5,097	4,923	4,774	4,724	4,604	4,464	4,306	-3.5
Propane	846	856	884	933	977	1,018	1,042	1,042	0.0
Electricity	3,038	3,093	3,253	3,326	3,387	3,478	3,597	3,713	3.2
Wood	585	569	511	471	469	461	352	218	-37.9
Other/None	436	437	433	433	441	446	470	508	8.0
Midwest									
Natural gas	18,083	18,206	18,241	18,236	18,319	18,405	18,371	18,164	-1.1
Heating oil	336	319	301	286	278	273	264	249	-5.7
Propane	2,089	2,085	2,077	2,057	2,115	2,187	2,237	2,261	1.1
Electricity	5,425	5,514	5,747	5,871	5,978	6,036	6,273	6,545	4.3
Wood	632	617	587	552	527	508	476	429	-9.7
Other/None	353	351	354	359	361	349	366	397	8.7
South									
Natural gas	13,802	13,919	13,948	13,913	13,970	14,026	14,207	14,280	0.5
Heating oil	699	681	653	619	609	583	556	534	-4.0
Propane	1,944	1,925	1,899	1,858	1,852	1,861	1,899	1,903	0.2
Electricity	28,247	28,843	29,509	29,873	30,326	30,694	31,090	31,296	0.7
Wood	616	593	552	509	484	474	466	451	-3.2
Other/None	419	407	413	426	434	454	485	506	4.2
West									
Natural gas	15,068	15,227	15,312	15,427	15,570	15,653	15,738	15,636	-0.6
Heating oil	235	225	219	214	214	217	205	187	-8.6
Propane	930	915	923	935	963	988	973	944	-3.0
Electricity	8,759	8,927	9,228	9,351	9,490	9,648	9,905	10,118	2.1
Wood	744	749	719	700	689	677	670	667	-0.6
Other/None	1,016	1,075	1,087	1,058	1,089	1,091	1,128	1,226	8.6
U.S. Totals									
Natural gas	58,481	59,057	59,303	59,494	59,922	60,250	60,705	60,597	-0.2
Heating oil	6,513	6,322	6,095	5,893	5,825	5,678	5,489	5,276	-3.9
Propane	5,810	5,781	5,783	5,784	5,906	6,054	6,151	6,150	0.0
Electricity	45,470	46,377	47,737	48,420	49,180	49,857	50,865	51,672	1.6
Wood	2,578	2,528	2,369	2,232	2,170	2,122	1,964	1,765	-10.1
Other/None	2,223	2,271	2,287	2,277	2,326	2,340	2,449	2,637	7.6
Heating degree days									
Northeast	5,597	5,648	4,322	4,700	5,015	5,167	4,659	4,990	7.1
Midwest	6,451	6,002	4,688	4,792	5,577	5,845	5,229	5,586	6.8
South	2,784	2,689	2,013	1,881	2,349	2,357	2,071	2,298	11.0
West	2,992	2,569	2,957	3,041	2,887	3,296	3,186	3,111	-2.3
U.S. Average	4,111	3,882	3,202	3,255	3,610	3,788	3,433	3,629	5.7

Note: Winter covers the period October 1 through March 31. Fuel prices are nominal prices. Fuel consumption per household is based only on households that use that fuel as the primary space-heating fuel. Included in fuel consumption is consumption for water heating, appliances, electronics, and lighting (electricity). Per-household consumption based on EIA's 2015 Residential Energy Consumption Surveys corrected for actual and projected heating degree days. Number of households using heating oil includes kerosene.

* Prices exclude taxes

** thousand cubic feet

*** kilowatthour