

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

U.S. Energy Information Administration | Short-Term Energy Outlook - November 2018

Fuel / Region	Winter of							Forecast	
	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	56.2	64.7	71.7	72.2	57.4	61.6	65.2	65.5	0.5
Price (\$/mcf)	12.20	11.71	11.52	10.80	10.18	10.70	11.39	11.10	-2.6
Expenditures (\$)	686	757	826	780	584	659	743	727	-2.1
Midwest									
Consumption (Mcf)	61.2	73.5	84.2	79.1	63.6	64.8	73.9	73.2	-0.9
Price (\$/mcf)	8.96	8.34	8.68	8.54	7.55	8.28	7.83	9.05	15.5
Expenditures (\$)	549	614	731	676	480	536	579	663	14.5
South									
Consumption (Mcf)	40.4	46.6	52.7	50.9	40.3	37.9	45.6	47.2	3.5
Price (\$/mcf)	11.41	10.67	10.71	10.75	10.72	12.04	11.27	11.04	-2.1
Expenditures (\$)	461	497	564	547	432	457	514	521	1.3
West									
Consumption (Mcf)	48.0	47.4	45.2	40.1	44.7	45.6	43.7	45.3	3.6
Price (\$/mcf)	9.34	9.13	9.96	10.71	9.92	10.68	10.24	10.90	6.4
Expenditures (\$)	448	433	450	430	443	487	447	493	10.3
U.S. Average									
Consumption (Mcf)	51.7	58.4	63.9	60.7	51.8	52.9	57.5	58.0	1.0
Price (\$/mcf)	10.23	9.71	9.95	9.89	9.28	10.06	9.82	10.31	4.9
Expenditures (\$)	529	567	636	600	481	532	564	598	5.9
Heating Oil									
U.S. Average									
Consumption (gallons)	427.4	493.0	547.5	548.2	436.6	468.2	495.4	501.9	1.3
Price (\$/gallon)	3.73	3.87	3.87	3.04	2.06	2.41	2.78	3.17	14.0
Expenditures (\$)	1,594	1,910	2,121	1,668	900	1,128	1,376	1,589	15.5
Electricity									
Northeast									
Consumption (kWh***)	7,610	8,299	8,879	8,927	7,705	8,051	8,342	8,375	0.4
Price (\$/kwh)	0.154	0.152	0.163	0.168	0.164	0.165	0.169	0.174	3.1
Expenditures (\$)	1,173	1,264	1,448	1,501	1,263	1,325	1,406	1,456	3.5
Midwest									
Consumption (kWh)	9,132	10,344	11,363	10,816	9,365	9,479	10,384	10,312	-0.7
Price (\$/kwh)	0.111	0.111	0.112	0.118	0.122	0.124	0.124	0.128	3.2
Expenditures (\$)	1,009	1,152	1,275	1,274	1,138	1,173	1,286	1,318	2.5
South									
Consumption (kWh)	8,793	9,731	10,487	10,300	8,781	8,511	9,545	9,746	2.1
Price (\$/kwh)	0.107	0.107	0.109	0.111	0.110	0.111	0.112	0.113	0.7
Expenditures (\$)	938	1,037	1,140	1,141	967	948	1,069	1,099	2.8
West									
Consumption (kWh)	8,848	8,778	8,487	7,830	8,441	8,563	8,313	8,523	2.5
Price (\$/kwh)	0.115	0.119	0.123	0.127	0.130	0.132	0.136	0.139	2.2
Expenditures (\$)	1,015	1,041	1,045	993	1,095	1,129	1,127	1,181	4.8
U.S. Average									
Consumption (kWh)	8,470	9,193	9,728	9,417	8,456	8,420	9,046	9,186	1.5
Price (\$/kwh)	0.116	0.117	0.120	0.123	0.124	0.125	0.126	0.129	1.8
Expenditures (\$)	983	1,071	1,163	1,158	1,044	1,055	1,143	1,182	3.4

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	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	% Change
Propane									
Northeast									
Consumption (gallons)	495.6	564.7	624.4	629.7	505.7	542.7	569.2	574.8	1.0
Price* (\$/gallon)	3.34	3.00	3.56	3.00	2.71	3.06	3.26	3.37	3.4
Expenditures (\$)	1,656	1,697	2,223	1,889	1,370	1,661	1,856	1,937	4.4
Midwest									
Consumption (gallons)	596.2	711.7	808.5	755.9	618.3	628.9	715.0	708.1	-1.0
Price* (\$/gallon)	2.23	1.74	2.61	1.91	1.47	1.73	1.95	2.05	5.1
Expenditures (\$)	1,330	1,238	2,110	1,444	909	1,088	1,394	1,452	4.1
Number of households by primary space heating fuel (thousands)									
Northeast									
Natural gas	11,245	11,356	11,529	11,705	11,802	11,858	12,020	12,184	1.4
Heating oil	5,705	5,464	5,244	5,097	4,923	4,763	4,661	4,519	-3.1
Propane	761	814	846	856	884	933	953	951	-0.2
Electricity	2,896	3,014	3,038	3,093	3,253	3,311	3,369	3,492	3.7
Wood	548	583	585	569	511	474	435	369	-15.2
Other/None	324	377	436	437	433	429	446	481	7.8
Midwest									
Natural gas	18,033	18,072	18,083	18,206	18,241	18,230	18,225	18,182	-0.2
Heating oil	393	360	336	319	301	287	271	251	-7.4
Propane	2,039	2,065	2,089	2,085	2,077	2,062	2,078	2,078	0.0
Electricity	5,123	5,338	5,425	5,514	5,747	5,853	6,049	6,314	4.4
Wood	631	641	632	617	587	551	532	511	-4.0
Other/None	282	319	353	351	354	357	368	388	5.2
South									
Natural gas	13,647	13,694	13,802	13,919	13,948	13,948	14,029	14,109	0.6
Heating oil	790	739	699	681	653	621	603	575	-4.6
Propane	2,025	1,983	1,944	1,925	1,899	1,864	1,854	1,822	-1.7
Electricity	27,305	27,884	28,247	28,843	29,509	29,928	30,544	31,172	2.1
Wood	609	613	616	593	552	507	507	523	3.1
Other/None	305	367	419	407	413	427	441	456	3.4
West									
Natural gas	15,033	15,023	15,068	15,227	15,312	15,436	15,588	15,623	0.2
Heating oil	262	247	235	225	219	215	207	194	-5.9
Propane	886	910	930	915	923	940	934	913	-2.3
Electricity	8,446	8,680	8,759	8,927	9,228	9,345	9,560	9,850	3.0
Wood	737	729	744	749	719	699	696	703	1.1
Other/None	830	903	1,016	1,075	1,087	1,056	1,102	1,196	8.5
U.S. Totals									
Natural gas	57,959	58,145	58,481	59,057	59,303	59,472	59,862	60,098	0.4
Heating oil	7,150	6,810	6,513	6,322	6,095	5,886	5,742	5,539	-3.5
Propane	5,712	5,772	5,810	5,781	5,783	5,799	5,819	5,764	-1.0
Electricity	43,770	44,916	45,470	46,377	47,737	48,436	49,521	50,828	2.6
Wood	2,526	2,565	2,578	2,528	2,369	2,231	2,170	2,106	-3.0
Other/None	1,740	1,967	2,223	2,271	2,287	2,270	2,359	2,521	6.9
Heating degree days									
Northeast	4,219	4,965	5,596	5,647	4,321	4,701	5,011	5,049	0.8
Midwest	4,486	5,545	6,452	6,002	4,688	4,792	5,577	5,519	-1.0
South	2,020	2,428	2,784	2,689	2,013	1,880	2,351	2,444	4.0
West	3,231	3,182	2,990	2,568	2,955	3,042	2,876	3,004	4.5
U.S. Average	3,225	3,721	4,110	3,882	3,202	3,256	3,609	3,665	1.5

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