

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

U.S. Energy Information Administration | Short-Term Energy Outlook - December 2017

Fuel / Region	Winter of							Forecast	
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	80.7	66.5	76.1	84.1	84.7	67.8	72.6	75.7	4.3
Price (\$/mcf)	12.66	12.21	11.71	11.53	10.82	10.19	10.74	10.97	2.2
Expenditures (\$)	1,022	812	891	969	916	691	779	830	6.6
Midwest									
Consumption (Mcf)	80.3	65.4	77.6	88.1	83.1	67.7	68.9	76.6	11.2
Price (\$/mcf)	9.23	8.99	8.36	8.69	8.56	7.58	8.31	8.94	7.5
Expenditures (\$)	740	587	648	766	711	513	573	685	19.6
South									
Consumption (Mcf)	49.3	40.8	46.5	52.1	50.5	40.7	38.5	45.1	17.0
Price (\$/mcf)	11.02	11.45	10.71	10.77	10.82	10.80	12.28	11.88	-3.3
Expenditures (\$)	543	468	498	561	546	440	473	536	13.2
West									
Consumption (Mcf)	49.4	49.1	48.6	46.4	41.5	45.9	46.9	46.8	-0.1
Price (\$/mcf)	9.67	9.35	9.13	9.96	10.72	9.93	10.69	10.73	0.4
Expenditures (\$)	478	459	444	462	444	456	501	502	0.3
U.S. Average									
Consumption (Mcf)	65.0	55.7	62.5	68.0	64.8	55.8	56.9	61.3	7.7
Price (\$/mcf)	10.46	10.25	9.72	9.97	9.91	9.30	10.11	10.35	2.3
Expenditures (\$)	680	571	607	678	642	519	575	634	10.2
Heating Oil									
U.S. Average									
Consumption (gallons)	580.8	471.2	545.6	607.3	608.1	481.9	517.7	542.7	4.8
Price (\$/gallon)	3.38	3.73	3.87	3.88	3.04	2.06	2.41	2.77	15.1
Expenditures (\$)	1,966	1,757	2,114	2,353	1,849	993	1,248	1,506	20.7
Electricity									
Northeast									
Consumption (kWh***)	7,076	6,437	6,863	7,223	7,253	6,498	6,712	6,846	2.0
Price (\$/kwh)	0.154	0.154	0.152	0.163	0.168	0.164	0.165	0.167	1.4
Expenditures (\$)	1,091	993	1,046	1,177	1,219	1,066	1,106	1,144	3.4
Midwest									
Consumption (kWh)	8,733	7,898	8,589	9,169	8,857	8,031	8,096	8,538	5.5
Price (\$/kwh)	0.105	0.111	0.112	0.112	0.118	0.122	0.123	0.126	2.2
Expenditures (\$)	915	875	958	1,031	1,045	978	1,000	1,077	7.8
South									
Consumption (kWh)	8,221	7,467	7,974	8,382	8,281	7,460	7,313	7,835	7.1
Price (\$/kwh)	0.104	0.107	0.107	0.109	0.111	0.110	0.112	0.113	1.2
Expenditures (\$)	855	798	851	913	919	824	817	886	8.4
West									
Consumption (kWh)	7,217	7,192	7,151	6,983	6,602	6,955	7,032	7,032	0.0
Price (\$/kwh)	0.112	0.115	0.119	0.123	0.127	0.130	0.132	0.136	2.9
Expenditures (\$)	809	825	848	861	836	903	926	953	2.9
U.S. Average									
Consumption (kWh)	7,843	7,252	7,671	7,981	7,801	7,242	7,227	7,583	4.9
Price (\$/kwh)	0.113	0.116	0.117	0.120	0.123	0.124	0.125	0.127	1.5
Expenditures (\$)	884	842	895	955	960	896	906	965	6.5

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Propane									
Northeast									
Consumption (gallons)	717.6	595.7	676.0	745.4	751.5	607.9	650.7	673.6	3.5
Price* (\$/gallon)	3.24	3.34	3.00	3.56	3.00	2.71	3.06	3.25	6.2
Expenditures (\$)	2,322	1,991	2,031	2,654	2,254	1,647	1,991	2,189	9.9
Midwest									
Consumption (gallons)	792.0	644.4	766.4	868.7	813.2	667.8	679.0	757.2	11.5
Price* (\$/gallon)	2.11	2.23	1.74	2.61	1.91	1.47	1.73	1.92	11.0
Expenditures (\$)	1,674	1,437	1,334	2,267	1,553	982	1,175	1,454	23.8
Number of households by primary space heating fuel (thousands)									
Northeast									
Natural gas	11,118	11,236	11,345	11,522	11,694	11,786	11,913	12,011	0.8
Heating oil	5,858	5,701	5,458	5,241	5,092	4,913	4,767	4,620	-3.1
Propane	744	761	813	845	855	888	899	901	0.2
Electricity	2,776	2,894	3,011	3,036	3,090	3,243	3,356	3,421	1.9
Wood	512	548	582	585	569	515	442	388	-12.1
Other/None	315	324	377	436	437	430	445	468	5.1
Midwest									
Natural gas	17,977	18,019	18,054	18,072	18,190	18,204	18,151	18,022	-0.7
Heating oil	419	393	360	336	319	301	283	263	-7.1
Propane	2,073	2,037	2,063	2,088	2,083	2,074	2,061	2,050	-0.5
Electricity	4,922	5,119	5,333	5,422	5,509	5,726	5,926	6,111	3.1
Wood	618	631	640	632	616	584	566	553	-2.3
Other/None	289	282	319	353	350	352	363	375	3.3
South									
Natural gas	13,657	13,636	13,681	13,793	13,907	13,954	14,029	14,013	-0.1
Heating oil	853	790	738	698	681	653	624	595	-4.6
Propane	2,098	2,024	1,982	1,943	1,923	1,900	1,875	1,831	-2.3
Electricity	26,555	27,283	27,857	28,230	28,817	29,521	30,111	30,619	1.7
Wood	599	609	612	616	592	547	545	569	4.4
Other/None	309	304	367	419	407	414	423	429	1.5
West									
Natural gas	15,020	15,021	15,009	15,059	15,213	15,317	15,432	15,456	0.2
Heating oil	279	261	247	234	225	220	212	202	-4.9
Propane	914	885	909	930	914	926	921	901	-2.3
Electricity	8,126	8,439	8,671	8,754	8,919	9,214	9,460	9,689	2.4
Wood	725	736	728	744	748	717	714	718	0.7
Other/None	850	829	903	1,015	1,074	1,082	1,097	1,156	5.4
U.S. Totals									
Natural gas	57,771	57,912	58,088	58,446	59,004	59,262	59,525	59,502	0.0
Heating oil	7,408	7,145	6,803	6,509	6,317	6,087	5,885	5,679	-3.5
Propane	5,829	5,707	5,766	5,806	5,776	5,787	5,756	5,683	-1.3
Electricity	42,380	43,734	44,873	45,442	46,335	47,704	48,854	49,841	2.0
Wood	2,454	2,524	2,563	2,576	2,526	2,362	2,266	2,229	-1.7
Other/None	1,763	1,739	1,965	2,222	2,269	2,278	2,328	2,428	4.3
Heating degree days									
Northeast	5,338	4,219	4,965	5,596	5,647	4,325	4,704	4,935	4.9
Midwest	5,774	4,485	5,545	6,452	6,002	4,689	4,792	5,466	14.1
South	2,629	2,020	2,428	2,784	2,689	2,012	1,880	2,319	23.3
West	3,259	3,231	3,183	2,991	2,568	2,955	3,049	3,041	-0.3
U.S. Average	3,939	3,225	3,721	4,110	3,881	3,203	3,257	3,598	10.5

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, and lighting (electricity). Per-household consumption based on an average of EIA 2005 and 2009 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