

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

U.S. Energy Information Administration | Short-Term Energy Outlook - December 2016

Fuel / Region	Winter of							Forecast	
	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	75.7	80.7	66.4	76.1	84.0	84.6	67.7	75.3	11.2
Price (\$/mcf)	13.31	12.66	12.21	11.71	11.53	10.82	10.20	11.21	9.9
Expenditures (\$)	1,007	1,022	812	891	969	916	691	844	22.2
Midwest									
Consumption (Mcf)	78.6	80.2	65.4	77.6	88.1	83.1	67.7	73.6	8.8
Price (\$/mcf)	9.44	9.23	8.99	8.36	8.69	8.56	7.58	8.90	17.5
Expenditures (\$)	742	740	587	648	766	711	513	655	27.8
South									
Consumption (Mcf)	53.2	49.3	40.8	46.5	52.1	50.5	40.7	43.9	7.9
Price (\$/mcf)	11.52	11.02	11.45	10.71	10.77	10.82	10.85	11.73	8.1
Expenditures (\$)	613	543	468	497	561	546	441	515	16.7
West									
Consumption (Mcf)	49.9	49.4	49.1	48.6	46.4	41.4	45.8	44.5	-2.9
Price (\$/mcf)	9.91	9.67	9.35	9.13	9.96	10.72	9.93	10.37	4.4
Expenditures (\$)	494	478	459	444	462	444	455	462	1.4
U.S. Average									
Consumption (Mcf)	64.4	65.0	55.7	62.5	68.0	64.8	55.7	59.4	6.5
Price (\$/mcf)	10.83	10.46	10.25	9.72	9.97	9.91	9.31	10.33	10.9
Expenditures (\$)	698	679	570	607	677	642	519	613	18.1
Heating Oil									
U.S. Average									
Consumption (gallons)	544.7	580.7	471.1	545.4	607.1	607.9	481.2	539.6	12.1
Price (\$/gallon)	2.85	3.38	3.73	3.87	3.88	3.04	2.06	2.51	21.7
Expenditures (\$)	1,552	1,965	1,757	2,113	2,353	1,848	992	1,353	36.4
Electricity									
Northeast									
Consumption (kWh***)	6,847	7,076	6,436	6,862	7,221	7,250	6,494	6,834	5.2
Price (\$/kwh)	0.152	0.154	0.154	0.152	0.163	0.168	0.164	0.164	-0.2
Expenditures (\$)	1,039	1,091	993	1,046	1,177	1,218	1,068	1,121	5.0
Midwest									
Consumption (kWh)	8,660	8,733	7,897	8,588	9,168	8,857	8,030	8,359	4.1
Price (\$/kwh)	0.099	0.105	0.111	0.112	0.112	0.118	0.121	0.122	0.6
Expenditures (\$)	856	914	875	958	1,031	1,045	973	1,019	4.7
South									
Consumption (kWh)	8,482	8,220	7,466	7,972	8,381	8,281	7,457	7,744	3.9
Price (\$/kwh)	0.103	0.104	0.107	0.107	0.109	0.111	0.111	0.109	-1.7
Expenditures (\$)	873	855	797	851	913	919	825	842	2.1
West									
Consumption (kWh)	7,239	7,216	7,190	7,150	6,981	6,600	6,949	6,847	-1.5
Price (\$/kwh)	0.110	0.112	0.115	0.119	0.123	0.127	0.130	0.133	2.3
Expenditures (\$)	799	809	825	848	860	836	901	908	0.8
U.S. Average									
Consumption (kWh)	7,935	7,842	7,251	7,670	7,980	7,801	7,238	7,460	3.1
Price (\$/kwh)	0.110	0.113	0.116	0.117	0.120	0.123	0.124	0.123	-0.2
Expenditures (\$)	873	884	842	895	955	960	895	920	2.8

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	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	% Change
Propane									
Northeast									
Consumption (gallons)	672.0	717.5	595.6	675.8	745.1	751.1	607.0	672.9	10.8
Price* (\$/gallon)	2.98	3.24	3.34	3.00	3.56	3.00	2.71	2.95	8.9
Expenditures (\$)	2,004	2,321	1,990	2,031	2,653	2,253	1,645	1,985	20.7
Midwest									
Consumption (gallons)	779.6	791.9	644.3	766.4	868.6	813.2	667.6	725.7	8.7
Price* (\$/gallon)	1.99	2.11	2.23	1.74	2.61	1.91	1.47	1.73	17.7
Expenditures (\$)	1,548	1,674	1,437	1,333	2,267	1,553	981	1,255	27.9

Number of households by primary space heating fuel (thousands)

Northeast									
Natural gas	10,992	11,118	11,236	11,345	11,522	11,724	11,842	11,959	1.0
Heating oil	6,016	5,858	5,701	5,458	5,241	5,101	4,971	4,827	-2.9
Propane	733	744	761	813	845	860	873	878	0.6
Electricity	2,645	2,776	2,894	3,011	3,036	3,104	3,222	3,307	2.6
Wood	501	512	548	582	585	566	541	536	-0.9
Other/None	311	315	324	377	436	438	434	452	4.2
Midwest									
Natural gas	18,050	17,977	18,019	18,054	18,072	18,167	18,092	18,046	-0.3
Heating oil	451	419	393	360	336	318	299	280	-6.5
Propane	2,098	2,073	2,037	2,063	2,088	2,079	2,076	2,061	-0.7
Electricity	4,715	4,922	5,119	5,333	5,422	5,500	5,722	5,924	3.5
Wood	616	618	631	640	632	612	602	612	1.7
Other/None	283	289	282	319	353	350	350	362	3.3
South									
Natural gas	13,731	13,657	13,636	13,681	13,793	13,906	13,914	13,962	0.3
Heating oil	906	853	790	738	698	680	656	623	-5.1
Propane	2,165	2,098	2,024	1,982	1,943	1,924	1,888	1,828	-3.2
Electricity	25,791	26,555	27,283	27,857	28,230	28,802	29,483	30,158	2.3
Wood	586	599	609	612	616	587	581	601	3.4
Other/None	314	309	304	367	419	408	405	410	1.3
West									
Natural gas	14,939	15,020	15,021	15,009	15,059	15,216	15,318	15,434	0.8
Heating oil	289	279	261	247	234	225	218	209	-4.0
Propane	940	914	885	909	930	917	910	899	-1.2
Electricity	7,877	8,126	8,439	8,671	8,754	8,919	9,221	9,489	2.9
Wood	721	725	736	728	744	747	724	731	1.0
Other/None	850	850	829	903	1,015	1,076	1,074	1,076	0.2
U.S. Totals									
Natural gas	57,713	57,771	57,912	58,088	58,446	59,014	59,166	59,401	0.4
Heating oil	7,662	7,408	7,145	6,803	6,509	6,324	6,144	5,938	-3.3
Propane	5,936	5,829	5,707	5,766	5,806	5,780	5,746	5,667	-1.4
Electricity	41,029	42,380	43,734	44,873	45,442	46,325	47,649	48,878	2.6
Wood	2,424	2,454	2,524	2,563	2,576	2,512	2,448	2,480	1.3
Other/None	1,758	1,763	1,739	1,965	2,222	2,272	2,263	2,300	1.7

Heating degree days

Northeast	4,933	5,337	4,217	4,964	5,594	5,643	4,317	4,915	13.9
Midwest	5,639	5,773	4,484	5,544	6,451	6,002	4,686	5,199	10.9
South	2,867	2,629	2,019	2,426	2,783	2,689	2,010	2,241	11.5
West	3,285	3,258	3,229	3,181	2,989	2,565	2,949	2,837	-3.8
U.S. Average	3,936	3,938	3,223	3,720	4,108	3,879	3,198	3,466	8.4

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