

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

U.S. Energy Information Administration | Short-Term Energy Outlook - March 2023

Fuel / Region	Winter of							Forecast	
	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	57	62	65	67	61	62	62	59	-5
Price (\$/mcf)	10.18	10.70	11.37	11.67	11.72	11.76	14.28	16.02	12
Expenditures (\$)	584	659	742	780	716	732	893	950	6
Midwest									
Consumption (Mcf)	64	65	74	77	70	71	70	69	-2
Price (\$/mcf)	7.55	8.28	7.83	7.82	7.44	7.81	10.84	12.09	11
Expenditures (\$)	480	536	578	601	519	551	762	830	9
South									
Consumption (Mcf)	40	38	46	46	41	45	43	41	-3
Price (\$/mcf)	10.72	12.04	11.23	10.61	11.03	11.32	14.28	15.03	5
Expenditures (\$)	432	457	512	488	457	507	608	619	2
West									
Consumption (Mcf)	45	46	44	49	47	47	46	51	11
Price (\$/mcf)	9.92	10.68	10.25	10.14	10.44	11.35	14.13	14.92	6
Expenditures (\$)	444	488	450	495	495	529	645	757	17
U.S. Average									
Consumption (Mcf)	52	53	58	60	55	56	56	55	0
Price (\$/mcf)	9.28	10.06	9.81	9.72	9.72	10.16	12.99	14.18	9
Expenditures (\$)	481	533	565	586	539	573	723	787	9
Heating Oil									
U.S. Average									
Consumption (gallons)	437	469	496	512	468	475	477	470	-1
Price (\$/gallon)	2.06	2.41	2.78	3.07	2.89	2.55	3.90	4.45	14
Expenditures (\$)	901	1,129	1,377	1,571	1,352	1,212	1,861	2,094	13
Electricity									
Northeast									
Consumption (kWh***)	7,705	8,051	8,345	8,482	8,014	8,178	8,122	7,857	-3
Price (\$/kwh)	0.16	0.16	0.17	0.17	0.17	0.17	0.19	0.21	14
Expenditures (\$)	1,263	1,324	1,407	1,435	1,375	1,406	1,514	1,676	11
Midwest									
Consumption (kWh)	9,366	9,479	10,382	10,710	10,004	10,152	10,030	9,924	-1
Price (\$/kwh)	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.14	8
Expenditures (\$)	1,138	1,173	1,289	1,320	1,247	1,283	1,331	1,425	7
South									
Consumption (kWh)	8,786	8,515	9,549	9,542	8,903	9,464	9,076	8,861	-2
Price (\$/kwh)	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.14	12
Expenditures (\$)	968	949	1,065	1,074	1,018	1,080	1,113	1,213	9
West									
Consumption (kWh)	8,444	8,565	8,334	8,993	8,813	8,756	8,566	9,253	8
Price (\$/kwh)	0.13	0.13	0.14	0.14	0.14	0.15	0.16	0.17	6
Expenditures (\$)	1,096	1,129	1,131	1,223	1,214	1,287	1,341	1,537	15
U.S. Average									
Consumption (kWh)	8,457	8,425	9,051	9,260	8,741	9,054	8,830	8,823	0
Price (\$/kwh)	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.15	10

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Expenditures (\$)	1,044	1,055	1,142	1,174	1,123	1,180	1,232	1,357	10
Propane									
Northeast									
Consumption (gallons)	506	543	569	586	538	546	548	520	-5
Price * (\$/gallon)	2.71	3.03	3.24	3.19	2.50	2.51	3.33	3.27	-2
Expenditures (\$)	1,371	1,644	1,844	1,869	1,346	1,370	1,827	1,704	-7
Midwest									
Consumption (gallons)	618	629	715	747	679	685	681	671	-1
Price * (\$/gallon)	1.47	1.58	1.82	1.72	1.53	1.56	2.30	2.17	-6
Expenditures (\$)	909	994	1,302	1,285	1,039	1,069	1,570	1,456	-7
South									
Consumption (gallons)	449	428	504	505	459	493	471	456	-3
Price * (\$/gallon)	2.27	2.45	2.59	2.63	2.31	2.33	3.09	2.99	-3
Expenditures (\$)	1,020	1,047	1,308	1,326	1,062	1,146	1,457	1,363	-6
Number of households by primary space heating fuel (thousands)									
Northeast									
Natural gas	11,845	11,975	12,124	12,281	12,320	12,122	12,239	12,471	2
Heating oil	4,946	4,804	4,756	4,623	4,674	4,531	4,183	4,056	-3
Propane	888	938	983	1,027	1,038	1,127	1,189	1,157	-3
Electricity	3,266	3,343	3,405	3,517	3,518	3,720	3,927	3,940	0
Wood	514	474	472	450	455	433	381	357	-6
Other/None	435	435	443	451	459	520	555	556	0
Midwest									
Natural gas	18,181	18,174	18,241	18,266	18,338	18,198	18,064	18,030	0
Heating oil	300	285	277	270	274	261	235	224	-5
Propane	2,069	2,049	2,104	2,176	2,182	2,201	2,210	2,195	-1
Electricity	5,725	5,848	5,948	6,021	6,020	6,225	6,580	6,773	3
Wood	585	550	525	499	510	482	415	383	-8
Other/None	353	358	360	348	352	374	394	414	5
South									
Natural gas	13,959	13,932	13,986	14,061	14,237	14,226	14,200	14,371	1
Heating oil	652	619	609	579	584	559	506	498	-2
Propane	1,899	1,860	1,853	1,863	1,910	1,908	1,912	1,947	2
Electricity	29,522	29,903	30,348	30,751	31,020	31,530	32,265	32,729	1
Wood	552	510	485	473	487	437	382	385	1
Other/None	413	427	434	454	483	588	634	609	-4
West									
Natural gas	15,251	15,362	15,489	15,551	15,692	15,452	15,327	15,474	1
Heating oil	219	213	213	214	216	209	192	182	-5
Propane	919	931	957	975	996	1,036	1,041	1,028	-1
Electricity	9,191	9,311	9,439	9,604	9,692	10,131	10,441	10,430	0
Wood	716	697	685	671	684	635	596	621	4
Other/None	1,085	1,056	1,085	1,095	1,071	1,085	1,165	1,268	9
U.S. Totals									
Natural gas	59,235	59,444	59,839	60,160	60,588	59,997	59,831	60,345	1
Heating oil	6,118	5,921	5,855	5,686	5,749	5,561	5,117	4,960	-3

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Propane	5,776	5,778	5,897	6,042	6,126	6,272	6,351	6,327	0
Electricity	47,703	48,404	49,141	49,893	50,250	51,606	53,212	53,872	1
Wood	2,367	2,230	2,167	2,093	2,137	1,988	1,774	1,746	-2
Other/None	2,285	2,275	2,323	2,348	2,365	2,566	2,749	2,848	4
Heating degree days									
Northeast	4,320	4,699	5,014	5,165	4,658	4,747	4,775	4,485	-6
Midwest	4,689	4,792	5,577	5,846	5,228	5,296	5,267	5,145	-2
South	2,015	1,884	2,353	2,361	2,074	2,283	2,149	2,055	-4
West	2,958	3,043	2,890	3,300	3,189	3,113	3,039	3,463	14
U.S. Average	3,209	3,264	3,622	3,801	3,444	3,531	3,454	3,437	0

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