

Table WF01. Seasonal Average Household Consumption, Prices, and Expenditures by Heating Fuel

U.S. Energy Information Administration | Short-Term Energy Outlook - October 2024

Fuel / Region	Winter of					Forecast		24-25 Winter Scenarios			
	19-20	20-21	21-22	22-23	23-24	24-25	% Change	Warmer	% Change	Colder	% Change
Natural Gas											
Northeast											
Consumption (Mcf**)	54	55	57	52	52	55	4%	51	-2%	59	12%
Price (\$/mcf)	11.39	11.50	13.97	16.88	14.54	14.15	-3%	14.42	-1%	14.03	-4%
Expenditures (\$)	620	634	791	881	763	772	1%	740	-3%	827	8%
Midwest											
Consumption (Mcf)	59	59	61	58	54	60	11%	56	4%	65	20%
Price (\$/mcf)	7.15	7.61	10.49	12.04	9.82	9.83	0%	10.28	5%	9.51	-3%
Expenditures (\$)	422	450	643	704	529	587	11%	575	9%	616	17%
South											
Consumption (Mcf)	36	39	37	35	36	37	1%	35	-4%	40	9%
Price (\$/mcf)	10.34	10.88	13.74	15.78	13.91	13.20	-5%	13.78	-1%	12.76	-8%
Expenditures (\$)	371	419	511	546	506	487	-4%	480	-5%	506	0%
West											
Consumption (Mcf)	40	40	39	45	39	39	0%	37	-5%	42	8%
Price (\$/mcf)	10.41	11.30	14.05	16.63	15.54	14.53	-6%	14.62	-6%	14.54	-6%
Expenditures (\$)	415	456	547	753	611	573	-6%	545	-11%	615	1%
U.S. Average											
Consumption (Mcf)	48	49	49	48	46	48	5%	45	-1%	52	14%
Price (\$/mcf)	9.42	9.95	12.64	14.85	12.95	12.47	-4%	12.85	-1%	12.22	-6%
Expenditures (\$)	453	485	621	720	594	602	1%	583	-2%	637	7%
Heating Oil											
U.S. Average											
Consumption (gallons)	401	405	417	385	387	402	4%	377	-2%	437	13%
Price (\$/gallon)	2.88	2.59	3.93	4.31	3.83	3.50	-9%	3.46	-10%	3.58	-7%
Expenditures (\$)	1,154	1,048	1,638	1,661	1,484	1,410	-5%	1,306	-12%	1,564	5%
Electricity											
Northeast											
Consumption (kWh***)	6,261	6,288	6,401	6,082	6,115	6,247	2%	6,017	-2%	6,561	7%
Price (cents/kWh)	17.1	17.1	18.6	22.1	21.7	22.3	3%	22.3	3%	22.2	2%
Expenditures (\$)	1,072	1,077	1,193	1,344	1,327	1,391	5%	1,344	1%	1,456	10%
Midwest											
Consumption (kWh)	8,201	8,175	8,379	8,175	7,722	8,242	7%	7,904	2%	8,704	13%
Price (cents/kWh)	12.4	12.5	13.1	14.4	14.6	14.6	0%	14.7	0%	14.5	-1%
Expenditures (\$)	1,016	1,023	1,100	1,178	1,131	1,201	6%	1,160	3%	1,259	11%
South											
Consumption (kWh)	6,809	7,063	6,936	6,655	6,874	6,899	0%	6,680	-3%	7,199	5%
Price (cents/kWh)	11.4	11.4	12.2	13.7	14.0	13.7	-2%	13.8	-1%	13.6	-2%
Expenditures (\$)	776	803	848	914	960	948	-1%	924	-4%	982	2%
West											
Consumption (kWh)	5,726	5,736	5,614	6,134	5,670	5,660	0%	5,488	-3%	5,895	4%
Price (cents/kWh)	13.9	14.6	15.6	16.7	18.5	19.0	2%	19.0	3%	18.9	2%
Expenditures (\$)	798	838	875	1,023	1,050	1,073	2%	1,042	-1%	1,116	6%
U.S. Average											
Consumption (kWh)	6,535	6,663	6,620	6,559	6,484	6,585	2%	6,365	-2%	6,885	6%
Price (cents/kWh)	12.9	13.0	13.9	15.5	16.0	16.0	0%	16.1	1%	15.9	-1%
Expenditures (\$)	840	864	920	1,020	1,037	1,054	2%	1,025	-1%	1,095	6%
Propane											
Northeast											
Consumption (gallons)	515	519	533	493	497	515	4%	485	-2%	554	12%
Price * (\$/gallon)	2.57	2.81	3.48	3.39	3.34	3.25	-3%	3.18	-5%	3.37	1%
Expenditures (\$)	1,325	1,458	1,857	1,673	1,659	1,674	1%	1,544	-7%	1,867	13%
Midwest											
Consumption (gallons)	642	641	664	641	587	649	11%	609	4%	702	20%
Price * (\$/gallon)	1.62	1.79	2.43	2.28	2.05	1.89	-8%	1.82	-11%	2.04	0%
Expenditures (\$)	1,038	1,149	1,613	1,464	1,202	1,228	2%	1,108	-8%	1,434	19%

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	19-20	20-21	21-22	22-23	23-24	24-25	% Change	Warmer	% Change	Colder	% Change
South											
Consumption (gallons)	361	385	373	348	366	370	1%	351	-4%	397	8%
Price * (\$/gallon)	2.43	2.65	3.24	3.18	3.15	3.04	-4%	3.00	-5%	3.12	-1%
Expenditures (\$)	877	1,019	1,210	1,108	1,156	1,127	-2%	1,051	-9%	1,238	7%
U.S. Average											
Consumption (gallons)	493	501	508	492	469	495	6%	466	-1%	533	14%
Price * (\$/gallon)	1.98	2.15	2.79	2.69	2.53	2.40	-5%	2.33	-8%	2.53	0%
Expenditures (\$)	978	1,078	1,419	1,322	1,186	1,189	0%	1,087	-8%	1,345	13%
Number of households by primary space heating fuel (thousands)											
Northeast											
Natural gas	12,307	11,959	11,935	12,016	12,173	12,296	1%	-	-	-	-
Heating oil	4,694	4,448	4,158	4,034	3,905	3,766	-4%	-	-	-	-
Propane	1,033	1,118	1,230	1,209	1,221	1,273	4%	-	-	-	-
Electricity	3,509	3,681	3,962	3,979	4,049	4,193	4%	-	-	-	-
Wood	458	423	384	369	345	319	-8%	-	-	-	-
Other/None	459	517	554	560	589	625	6%	-	-	-	-
Midwest											
Natural gas	18,337	18,002	17,958	17,892	17,893	17,910	0%	-	-	-	-
Heating oil	276	257	231	218	207	197	-5%	-	-	-	-
Propane	2,178	2,174	2,251	2,196	2,167	2,215	2%	-	-	-	-
Electricity	6,012	6,197	6,452	6,577	6,786	6,972	3%	-	-	-	-
Wood	513	470	416	428	429	405	-6%	-	-	-	-
Other/None	354	372	382	399	419	432	3%	-	-	-	-
South											
Natural gas	14,248	14,255	14,397	14,366	14,347	14,446	1%	-	-	-	-
Heating oil	588	558	491	482	476	454	-5%	-	-	-	-
Propane	1,914	1,910	1,903	1,965	2,016	2,029	1%	-	-	-	-
Electricity	31,002	31,678	32,702	33,179	33,844	34,547	2%	-	-	-	-
Wood	490	432	378	383	379	366	-4%	-	-	-	-
Other/None	482	590	711	700	711	783	10%	-	-	-	-
West											
Natural gas	15,694	15,367	15,232	15,231	15,229	15,221	0%	-	-	-	-
Heating oil	217	207	195	184	175	169	-4%	-	-	-	-
Propane	998	1,029	1,067	1,067	1,066	1,079	1%	-	-	-	-
Electricity	9,682	10,112	10,565	10,501	10,584	10,804	2%	-	-	-	-
Wood	687	628	575	596	603	593	-2%	-	-	-	-
Other/None	1,072	1,087	1,122	1,200	1,286	1,359	6%	-	-	-	-
U.S. Totals											
Natural gas	60,586	59,583	59,522	59,504	59,642	59,873	0%	-	-	-	-
Heating oil	5,775	5,471	5,075	4,918	4,764	4,586	-4%	-	-	-	-
Propane	6,123	6,232	6,452	6,437	6,469	6,596	2%	-	-	-	-
Electricity	50,205	51,668	53,681	54,234	55,263	56,515	2%	-	-	-	-
Wood	2,148	1,953	1,753	1,776	1,756	1,682	-4%	-	-	-	-
Other/None	2,367	2,565	2,769	2,859	3,004	3,199	6%	-	-	-	-
Heating degree days											
Northeast	4,325	4,387	4,537	4,099	4,127	4,333	5%	3,900	-6%	4,766	15%
Midwest	4,797	4,804	5,018	4,766	4,302	4,869	13%	4,382	2%	5,355	24%
South	1,987	2,183	2,089	1,896	2,029	2,066	2%	1,859	-8%	2,272	12%
West	2,870	2,915	2,774	3,397	2,812	2,822	0%	2,540	-10%	3,104	10%
U.S. Average	3,188	3,281	3,276	3,216	3,036	3,199	5%	2,879	-5%	3,519	16%

Note: Winter covers the period November 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 2020 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