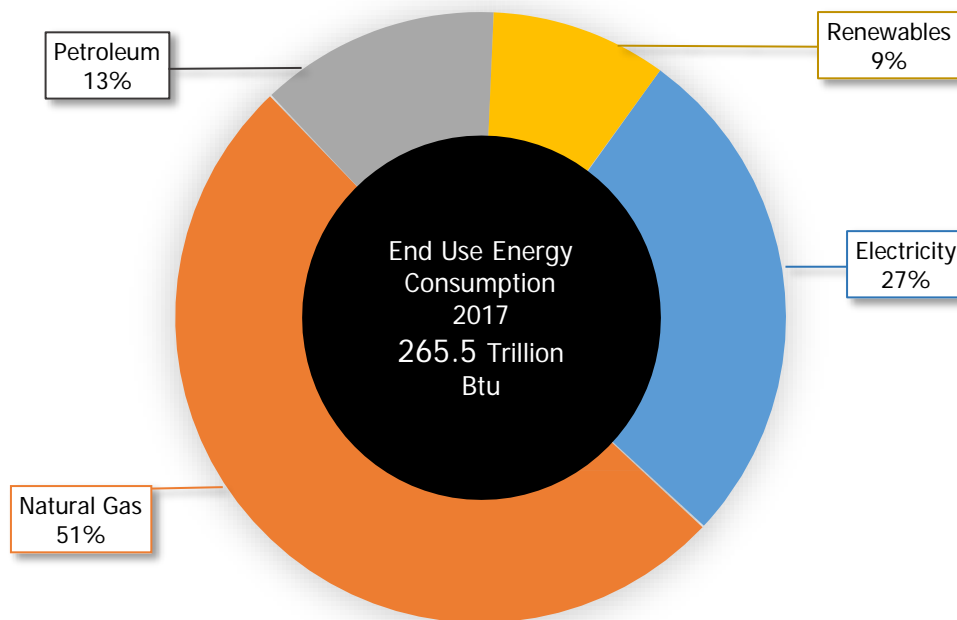


Residential Sector Energy Use by Source

2005-2017 (Trillions of BTU)

Year	Coal	Electricity	Natural Gas	Petroleum	Renewables	Total End Use	Total Resource
2005	0.1	74.4	132.9	37.9	25.3	270.7	432.2
2006	0.1	72.1	121.9	39.3	22.5	256.0	399.1
2007	0.1	74.6	133.0	36.8	24.9	269.3	428.1
2008	0.0	73.0	142.5	36.5	27.8	279.8	434.9
2009	0.0	71.1	135.0	32.4	20.9	259.5	407.2
2010	0.0	74.0	124.9	28.3	22.4	249.6	406.2
2011	0.0	73.7	131.3	27.5	21.8	254.3	403.5
2012	0.0	73.0	114.7	24.6	18.3	230.6	375.1
2013	0.0	73.2	146.6	30.9	23.7	274.3	422.9
2014	0.0	72.3	155.2	34.5	24.0	286.0	426.1
2015	0.0	70.3	131.6	31.1	29.9	262.9	400.9
2016	0.0	72.0	131.2	30.7	25.9	259.8	381.8
2017	0.0	70.1	136.3	34.0	25.3	265.7	389.3

Energy Use By Residential Sector 2017



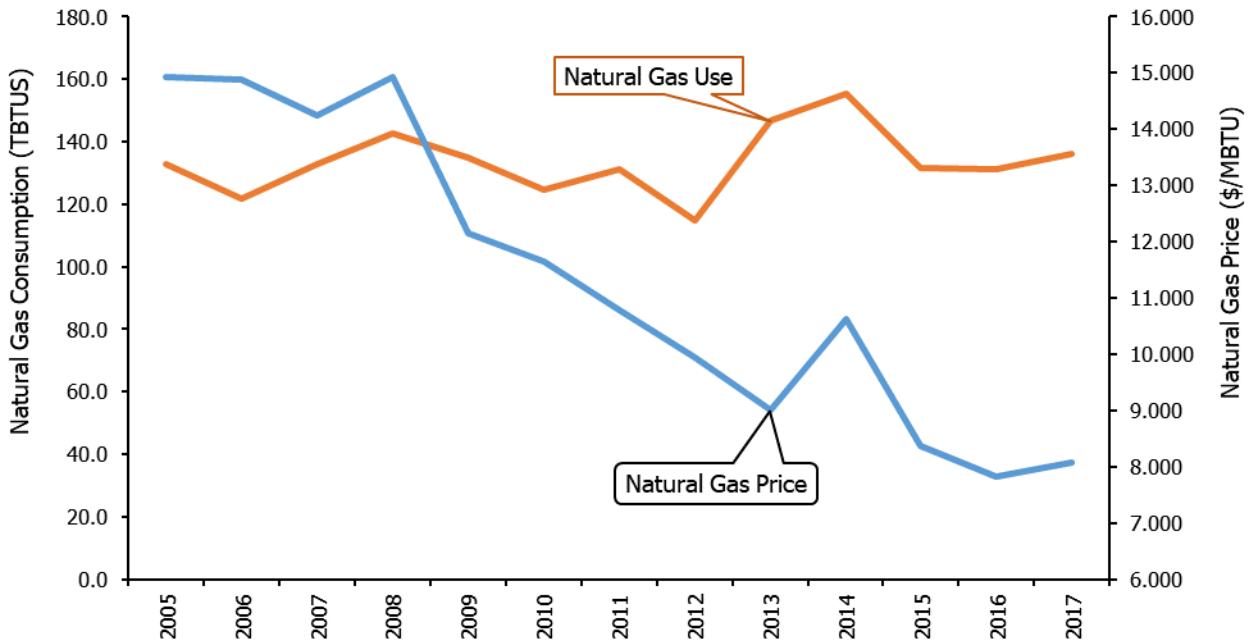
Source: Public Service Commission of Wisconsin, Annual Reports, Investor Owned Utilities (2005-2017), Public Service Commission of Wisconsin, Strategic Energy Assessment 2024, Unpublished data and Personal Communication, U.S. Energy Information Administration, Residential Sector Energy Consumption Estimates (2005-2017) https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_use/res/use_res_WI.html&sid=WI, Distillate Fuel Oil and Kerosene sales by End Use https://www.eia.gov/dnav/pet/pet_cons_821use_dcu_SWI_a.htm, Prime Supplier Report Archives <https://www.eia.gov/petroleum/marketing/prime/archive/#2005-2017>, Wisconsin Department of Natural Resources, Annual Survey of Point Source Emissions (2005-2017) Unpublished data and Personal Communication, U.S. Department of Agriculture, National Agriculture Statistics Service, (2005-2017) Unpublished data Personal Communication, Value added by US agriculture (includes net farm income) (2013-2017) <http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics/value-added-years-by-state.aspx>.

Residential Sector Energy Prices by Source

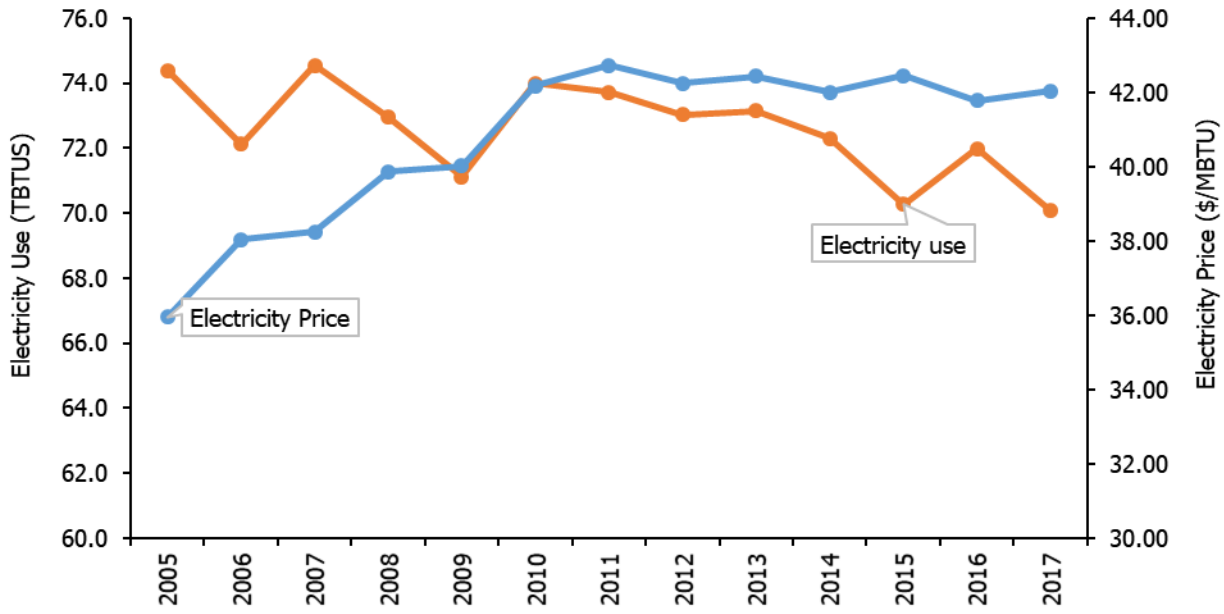
2005-2017 (2017 Dollars per Million Btu)

Year	Heating Oil	LPG	Natural Gas	Electricity
2005	19.51	21.48	14.94	35.96
2006	21.06	22.56	14.87	38.05
2007	23.34	23.78	14.25	38.24
2008	25.67	27.68	14.92	39.86
2009	18.16	21.37	12.14	40.03
2010	22.07	22.03	11.65	42.18
2011	27.64	23.61	10.78	42.74
2012	33.73	19.14	9.94	42.25
2013	27.54	19.02	9.00	42.43
2014	25.84	25.99	10.64	42.01
2015	16.78	15.62	8.37	42.45
2016	14.10	13.20	7.82	41.79
2017	16.57	16.62	8.08	42.04

Natural Gas Use and Price by Residential Sector (2005-2017)



Electricity Use and Price by Residential sector (2005-2017)



Source: U.S. Energy Information Administration, Residential sector energy prices (2005-2017)

https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_prices/res/pr_res_WI.html&sid=WI, Weekly Propane residential prices (2005-2017)

https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=W_EPLLP_PRS_SWI_DPG&f=W, AAA Gas prices <https://gasprices.aaa.com/?state=WI> aggregated by Office of Energy Innovation (2005-2017) <https://psc.wi.gov/Pages/Programs/OE1/SHOPP.aspx>, Wisconsin Public Service Commission Electricity and Natural Gas distribution reports, Electronic Records Filing System Docket #5-GF-159:

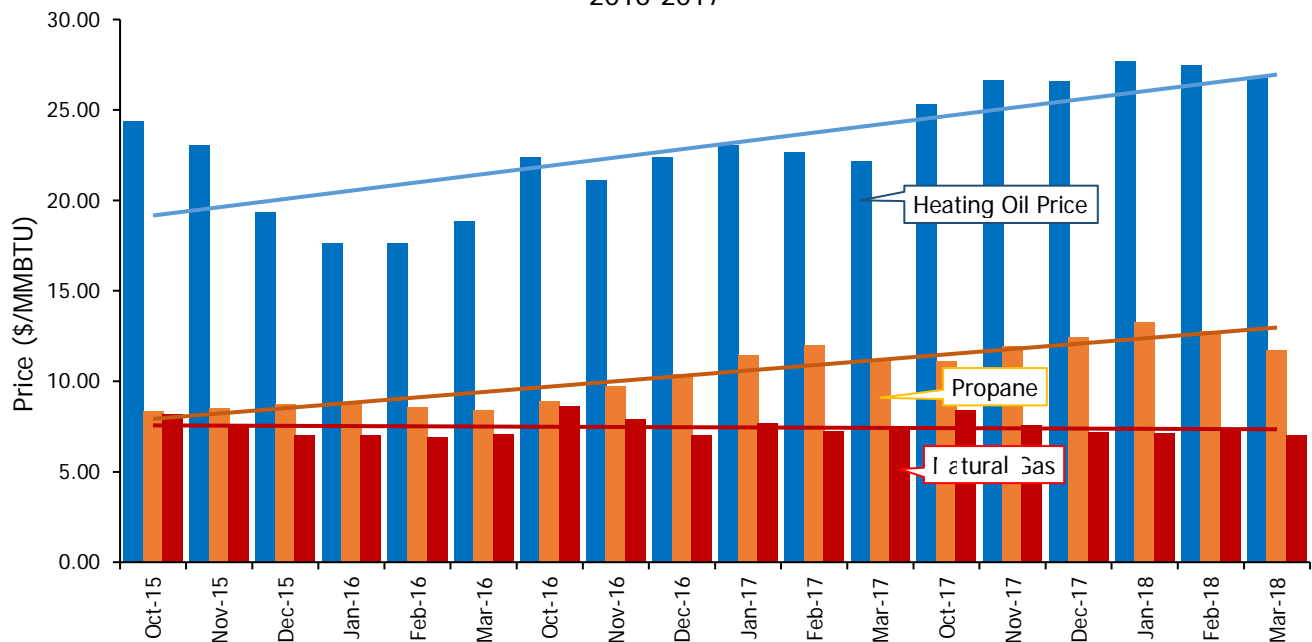
http://apps.psc.wi.gov/vs2015/ERF_search/content/searchResult.aspx?UTIL=5&CASE=GF&SEQ=159&START=none&END=none&TYPE=none&SERVICE=none&KEY=none&NON=N

Residential Sector Energy Prices for the Winter Heating Season

2016-2017 (Current Prices)

Date	\$/Gallon		\$/MMBTU		
	Heating Oil	Propane	Heating Oil	Propane	Natural Gas
Oct-15	2.33	1.16	24.39	8.35	8.18
Nov-15	2.20	1.18	23.04	8.52	7.58
Dec-15	1.85	1.21	19.35	8.75	7.02
Jan-16	1.69	1.21	17.65	8.73	7.03
Feb-16	1.68	1.19	17.63	8.58	6.90
Mar-16	1.80	1.16	18.83	8.37	7.04
Oct-16	2.14	1.23	22.39	8.90	8.63
Nov-16	2.02	1.35	21.10	9.72	7.89
Dec-16	2.14	1.44	22.37	10.38	7.03
Jan-17	2.20	1.59	23.04	11.44	7.70
Feb-17	2.16	1.66	22.67	11.97	7.24
Mar-17	2.11	1.55	22.13	11.21	7.27
Oct-17	2.42	1.54	25.33	11.09	8.41
Nov-17	2.54	1.65	26.65	11.90	7.59
Dec-17	2.54	1.73	26.56	12.44	7.17
Jan-18	2.64	1.84	27.67	13.24	7.10
Feb-18	2.62	1.77	27.47	12.75	7.42
Mar-18	2.56	1.62	26.81	11.70	7.00

Residential Sector Winter Prices by Source, for the Heating Season
2016-2017



Source: Public Service Commission of Wisconsin, Form PSC-AF2 Monthly Financial and Statistical Reports (2005-2018), http://apps.psc.wi.gov/vs2015/ERF_search/content/searchResult.aspx?UTIL=5&CASE=GF&SEQ=159&START=none&END=none&TYPE=none&SERVICE=none&KEY=none&ON=N, U.S. Energy Information Administration, State Heating Oil Propane Program (2005-2018); Public Service Commission of Wisconsin, Form PSC-AF2 Monthly Financial and Statistical Reports (2005-2018), Weekly Price Summaries: <https://psc.wi.gov/Pages/Programs/OEI/SHOPP.aspx>, Wisconsin Public Service Commission Electricity and Natural Gas distribution reports, Electronic Records Filing System Docket #5-GF-159; http://apps.psc.wi.gov/vs2015/ERF_search/content/searchResult.aspx?UTIL=5&CASE=GF&SEQ=159&START=none&END=none&TYPE=none&SERVICE=none&KEY=none&ON=N