

N E B R A S K A



E N E R G Y O F F I C E

Nebraska

”Preparing for the Upcoming Heating Season”

State Heating Oil and Propane Conference

October 8, 2014



Profile of Nebraska

Population - 1,868,516

Occupied Housing Units - 733,570



Occupied Housing by Fuel Used for Home Heating in 2012

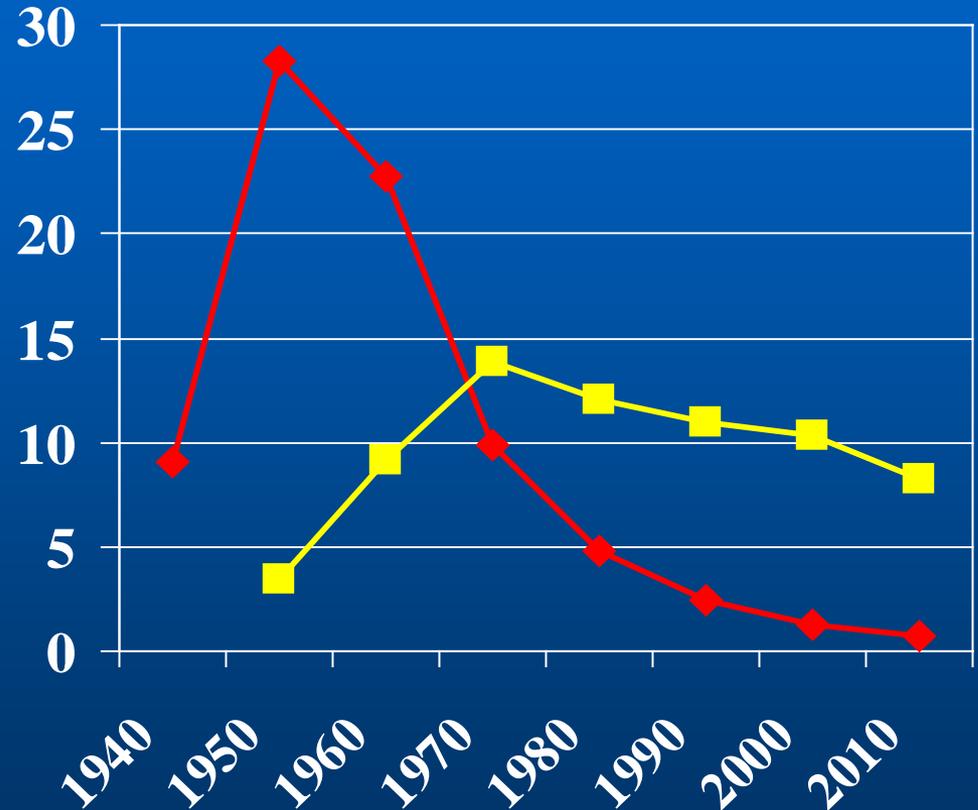
Natural Gas	63%
Electricity	26%
Propane	8%
Wood	1.60%
Fuel Oil and Kerosene	0.50%
Coal or Coke	0.01%
Solar Energy	0.04%
All Other Fuels	0.09%
No Fuel Used	0.20%

<http://www.neo.ne.gov/statshtml/75.html>



History of Heating Oil and Propane Market Share

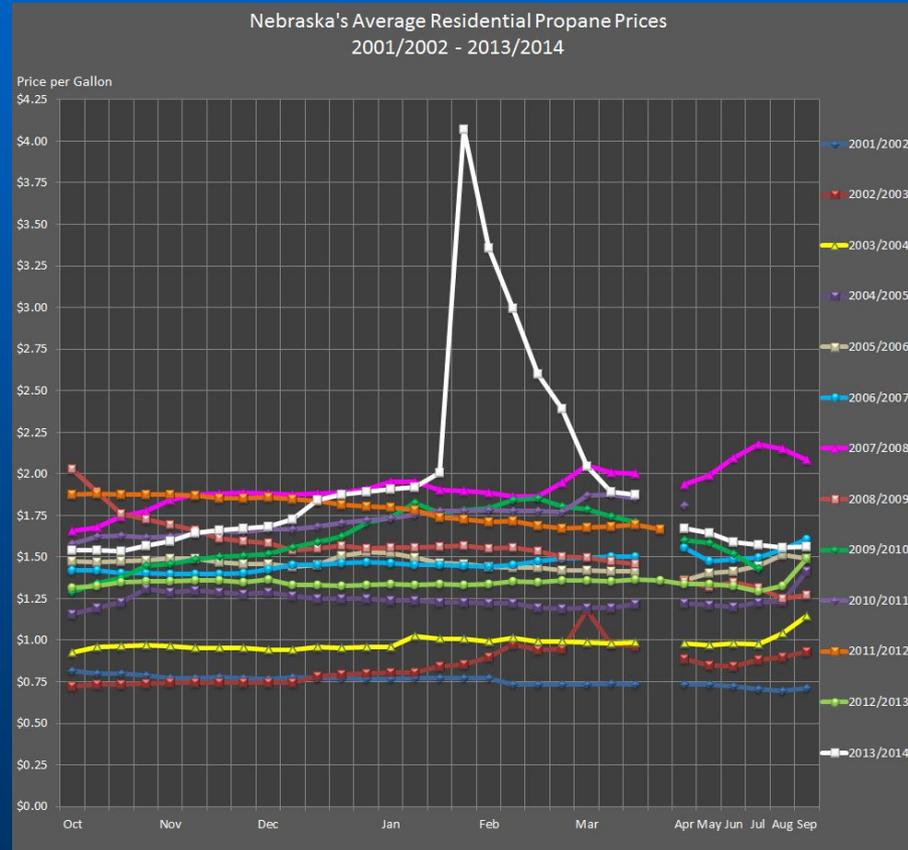
● Percent of market share



◆ Heating Oil ■ Propane



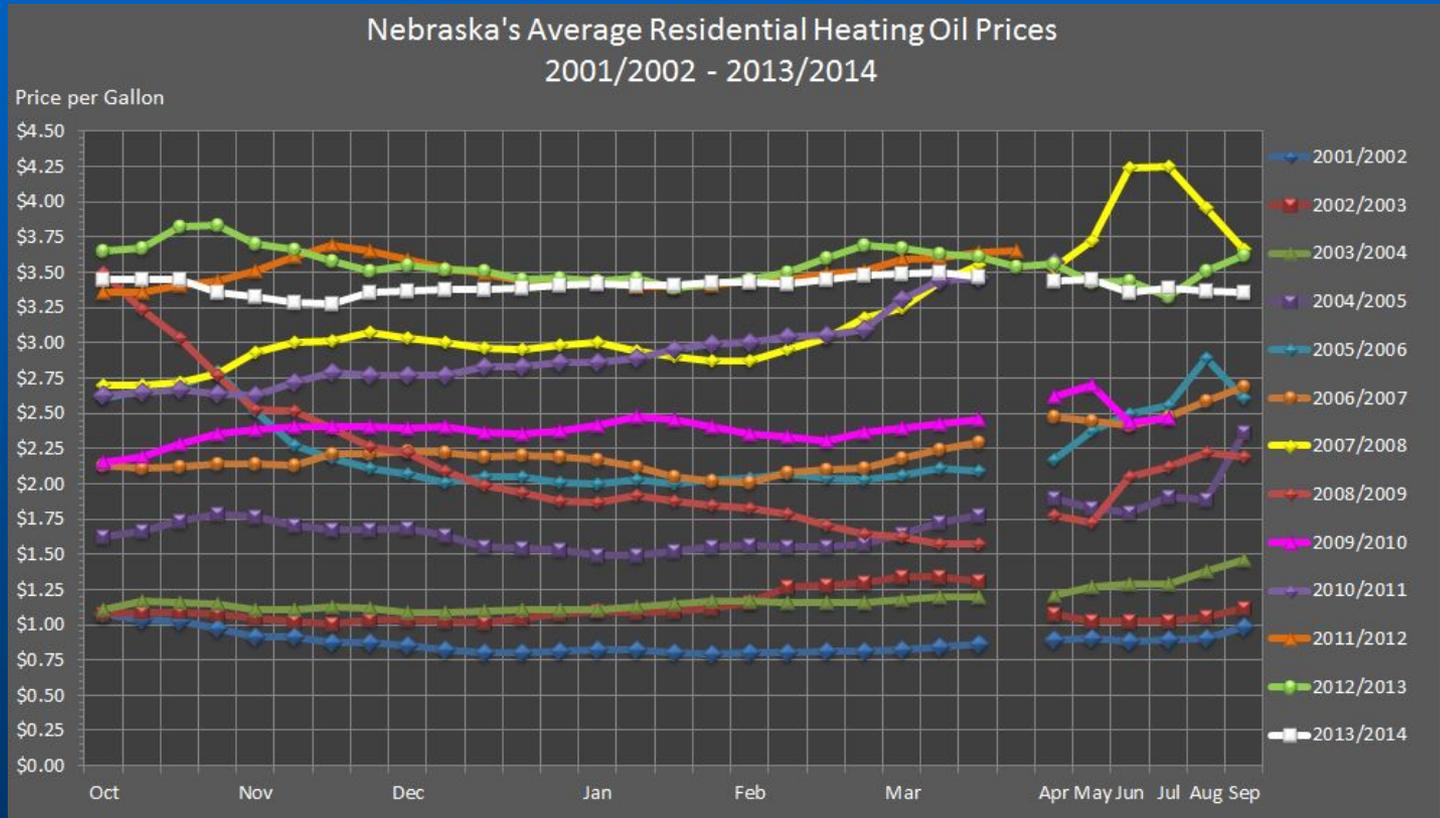
Residential Propane Price



<http://www.neo.ne.gov/statshtml/86.html>



Residential Heating Oil Price



<http://www.neo.ne.gov/statshtml/87.html>



Weekly Report Using SHOPP Prices



Residential Propane Price Archive

Nebraska's Average Residential Propane Prices

Archive

Year
2013/2014
2012/2013

2011/2012	Heating Season						Off Season					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
First Monday	Oct 3	Nov 7	Dec 5	Jan 2	Feb 6	Mar 5	No Report	No Report	No Report	No Report	No Report	No Report
Second Monday	Oct 10	Nov 14	Dec 12	Jan 9	Feb 13	Mar 12						
Third Monday	Oct 17	Nov 21	Dec 19	Jan 16	Feb 20	Mar 19						
Fourth Monday	Oct 24	Nov 28	Dec 26	Jan 23	Feb 27							
Fifth Monday	Oct 31			Jan 30								

2010/2011	Heating Season						Off Season					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
First Monday	Oct 4	Nov 1	Dec 6	Jan 3	Feb 7	Mar 7	Apr 4	No Report				
Second Monday	Oct 11	Nov 8	Dec 13	Jan 10	Feb 14	Mar 14						

http://www.neo.ne.gov/statshtml/86_archive.htm



Propane Price Analysis

On January 9, 2012, the average residential [propane](#) price had fallen 3 cents from last week to \$1.77 per gallon (see the [table](#) at the end of this report). The [graph](#) below this text shows the spread in prices from month to month and from this year compared to previous years. This week's average price was 1 cent (or 1 percent) higher than the price a year ago.



Propane Price Range

Other states in the Midwest Region had higher prices ranging from \$1.90 to \$2.86 per gallon with the region averaging \$2.22. States adjacent to Nebraska, such as South Dakota, Iowa, and Missouri, had prices of \$1.97, \$1.90, and \$2.10, respectively.



Wholesale Propane Price Analysis

Since the last report, Nebraska's average wholesale price had dropped 10 cents to \$1.11 while the average retail price had fallen 3 cents to \$1.77 per gallon. As a result, the rack-to-retail margin has increased to 66 cents per gallon. Of the surveyed states in the region this week, Nebraska had the lowest average retail price but not the lowest average wholesale price.



Propane Supply

On the supply side, the Midwest Region inventory level was above the normal range for this time of year with 23.0 million barrels in storage on January 6.



Links

Notes: The [final report](#) for the 2010-2011 winter season is available. An [archive](#) houses annual reports from previous years.

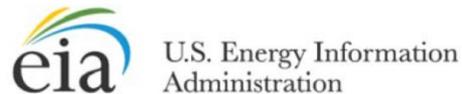


Heating Oil & Propane Program

The Energy Information Administration, the independent statistical and analytical agency within the U.S. Department of Energy, conducts the State Heating Oil and Propane Program from October to March--the heating season--each year. The Energy Information Administration collects prices for the program each week from participating states and calculates a state average price, a regional average price, and a national average price which can be seen in the report [Residential Propane Prices by Region and State](#).



EIA Weekly Petroleum Status Report



Petroleum & Other Liquids Weekly Petroleum Status Report

Data for week ending Sept. 26, 2014 | **Release Date:** Oct. 1, 2014 | **Next Release Date:** Oct. 8, 2014 |

Previous Issues

Week:

The petroleum supply situation in the context of historical information and selected prices.

Appendices

A	Petroleum Supply Summary			PDF
B	Explanatory Notes (Stock Ranges)			PDF
C	Northeast Reserves			PDF
D	Winter Fuels Heating Prices (October - March)			

		Figures		Tables
D1	Residential Heating Oil Prices	XLS	PDF	PDF
D2	Wholesale Heating Oil Prices	XLS	PDF	PDF
D3	Residential Propane Prices	XLS	PDF	PDF
D4	Wholesale Propane Prices	XLS	PDF	PDF
	Winter Fuels Explanatory Notes			PDF

Sources and Glossary

Weekly Petroleum Status Report Sources	PDF
Weekly Petroleum Status Report Glossary	PDF



Weekly Heating Oil Prices



U.S. Energy Information Administration

PETROLEUM & OTHER LIQUIDS

OVERVIEW DATA ANALYSIS & PROJECTIONS

Weekly Heating Oil and Propane Prices (October - March)

(Dollars per Gallon Excluding Taxes)

Data Series: Residential Heating Oil Period: Weekly

Show Data By:		Graph	02/10/14	02/17/14	02/24/14	03/03/14	03/10/14	03/17/14	View History
<input checked="" type="radio"/> Data Series	<input checked="" type="radio"/> Area	Clear							
U.S.	<input type="checkbox"/>	<input type="checkbox"/>	4.245	4.226	4.242	4.226	4.195	4.123	1990-2014
East Coast (PADD 1)	<input type="checkbox"/>	<input type="checkbox"/>	4.249	4.229	4.245	4.230	4.199	4.127	1990-2014
New England (PADD 1A)	<input type="checkbox"/>	<input type="checkbox"/>	4.159	4.151	4.157	4.151	4.137	4.074	1990-2014
Connecticut	<input type="checkbox"/>	<input type="checkbox"/>	4.344	4.349	4.337	4.338	4.347	4.273	1990-2014
Maine	<input type="checkbox"/>	<input type="checkbox"/>	3.918	3.906	3.909	3.912	3.897	3.847	1990-2014
Massachusetts	<input type="checkbox"/>	<input type="checkbox"/>	4.210	4.204	4.225	4.214	4.179	4.127	1990-2014
New Hampshire	<input type="checkbox"/>	<input type="checkbox"/>	4.027	4.013	4.029	3.987	4.017	3.933	1990-2014
Rhode Island	<input type="checkbox"/>	<input type="checkbox"/>	4.242	4.226	4.236	4.243	4.178	4.114	1990-2014
Vermont	<input type="checkbox"/>	<input type="checkbox"/>	3.950	3.917	3.929	3.922	3.923	3.869	1990-2014
Central Atlantic (PADD 1B)	<input type="checkbox"/>	<input type="checkbox"/>	4.325	4.296	4.319	4.296	4.251	4.171	1990-2014
Delaware	<input type="checkbox"/>	<input type="checkbox"/>	4.192	4.167	4.162	4.118	4.060	3.971	1990-2014
District of Columbia	<input type="checkbox"/>	<input type="checkbox"/>	4.721	4.721	4.773	4.774	4.763	4.755	1990-2014
Maryland	<input type="checkbox"/>	<input type="checkbox"/>	4.154	4.188	4.203	4.205	4.195	4.143	1990-2014
New Jersey	<input type="checkbox"/>	<input type="checkbox"/>	4.334	4.351	4.370	4.367	4.332	4.255	1990-2014
New York	<input type="checkbox"/>	<input type="checkbox"/>	4.525	4.460	4.491	4.469	4.417	4.338	1990-2014
Pennsylvania	<input type="checkbox"/>	<input type="checkbox"/>	4.051	4.040	4.053	4.015	3.971	3.881	1990-2014
Lower Atlantic (PADD 1C)	<input type="checkbox"/>	<input type="checkbox"/>	3.760	3.792	3.835	3.846	3.853	3.876	1990-2014
North Carolina	<input type="checkbox"/>	<input type="checkbox"/>	3.768	3.784	3.806	3.804	3.800	3.805	1990-2014
Virginia	<input type="checkbox"/>	<input type="checkbox"/>	3.759	3.793	3.839	3.851	3.859	3.884	1990-2014
Midwest (PADD 2)	<input type="checkbox"/>	<input type="checkbox"/>	3.701	3.744	3.785	3.777	3.742	3.688	1990-2014
Illinois	<input type="checkbox"/>	<input type="checkbox"/>							1990-1991
Indiana	<input type="checkbox"/>	<input type="checkbox"/>	3.811	3.882	3.930	3.928	3.864	3.807	1990-2014
Iowa	<input type="checkbox"/>	<input type="checkbox"/>	3.467	3.495	3.526	3.527	3.510	3.465	1990-2014
Kentucky	<input type="checkbox"/>	<input type="checkbox"/>	3.747	3.786	3.842	3.844	3.796	3.734	1994-2014
Michigan	<input type="checkbox"/>	<input type="checkbox"/>	3.889	3.916	3.932	3.868	3.836	3.765	1990-2014
Minnesota	<input type="checkbox"/>	<input type="checkbox"/>	3.531	3.557	3.613	3.625	3.644	3.618	1990-2014
Nebraska	<input type="checkbox"/>	<input type="checkbox"/>	3.416	3.447	3.476	3.490	3.496	3.473	2001-2014
Ohio	<input type="checkbox"/>	<input type="checkbox"/>	4.103	4.122	4.132	4.086	4.024	3.911	1990-2014
Wisconsin	<input type="checkbox"/>	<input type="checkbox"/>	3.607	3.652	3.713	3.706	3.695	3.644	1990-2014



Heating Oil Price by Region

Appendix D

Table D1. Residential Heating Oil Prices by Region and State
(Dollars per Gallon, Excluding Taxes)

Region/State	2012 - 2013 Heating Season Monthly					
	October	November	December	January	February	March
Average	4.014	4.012	3.986	4.017	4.145	4.055
East Coast (PADD 1)	4.021	4.018	3.994	4.027	4.154	4.063
New England (PADD 1A)	3.960	3.924	3.915	3.973	4.104	4.017
Central Atlantic (PADD 1B)	4.071	4.091	4.056	4.072	4.196	4.102
Lower Atlantic (PADD 1C)	3.751	3.770	3.762	3.748	3.839	3.836
Midwest (PADD 2)	3.714	3.748	3.672	3.553	3.776	3.687

Region/State	2013 - 2014 Heating Season Monthly					
	October	November	December	January	February	March
Average	3.832	3.837	3.969	4.066	4.239	4.181
East Coast (PADD 1)	3.835	3.840	3.973	4.070	4.242	4.185
New England (PADD 1A)	3.763	3.787	3.937	4.047	4.160	4.121
Central Atlantic (PADD 1B)	3.893	3.884	4.004	4.093	4.313	4.239
Lower Atlantic (PADD 1C)	3.637	3.631	3.673	3.684	3.782	3.858
Midwest (PADD 2)	3.526	3.498	3.495	3.510	3.719	3.736

Region/State	2013 - 2014 Heating Season Weekly											
	12/30	1/6	1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/3	3/10	3/17
Average	4.037	4.020	4.011	4.055	4.176	4.241	4.245	4.226	4.242	4.226	4.195	4.123
East Coast (PADD 1)	4.041	4.024	4.015	4.060	4.180	4.246	4.249	4.229	4.245	4.230	4.199	4.127
New England (PADD 1A)	4.020	4.014	4.008	4.033	4.131	4.172	4.159	4.151	4.157	4.151	4.137	4.074
Connecticut	4.216	4.183	4.175	4.218	4.317	4.352	4.344	4.349	4.337	4.338	4.347	4.273
Maine	3.780	3.835	3.841	3.829	3.892	3.934	3.918	3.906	3.909	3.912	3.897	3.847
Massachusetts	4.061	4.046	4.043	4.077	4.202	4.219	4.210	4.204	4.225	4.214	4.179	4.127
New Hampshire	3.891	3.896	3.894	3.906	3.986	4.044	4.027	4.013	4.029	3.987	4.017	3.933
Rhode Island	4.081	4.077	4.062	4.103	4.197	4.268	4.242	4.226	4.236	4.243	4.178	4.114
Vermont	3.848	3.788	3.758	3.771	3.894	3.971	3.950	3.917	3.929	3.922	3.923	3.869
Central Atlantic (PADD 1B)	4.063	4.037	4.026	4.085	4.225	4.310	4.325	4.296	4.319	4.296	4.251	4.171
Delaware	3.919	3.909	3.898	3.975	4.113	4.193	4.192	4.167	4.162	4.118	4.060	3.971
Dist Columbia	4.681	4.681	4.653	4.653	4.695	4.720	4.721	4.721	4.773	4.774	4.763	4.755
Maryland	3.992	4.020	3.990	4.000	4.074	4.126	4.154	4.188	4.203	4.205	4.195	4.143
New Jersey	4.141	4.134	4.118	4.138	4.278	4.365	4.334	4.351	4.370	4.367	4.332	4.255
New York	4.228	4.197	4.192	4.270	4.438	4.482	4.525	4.460	4.491	4.469	4.417	4.338
Pennsylvania	3.785	3.747	3.731	3.792	3.902	4.055	4.051	4.040	4.053	4.015	3.971	3.881
Lower Atlantic (PADD 1C)	3.674	3.677	3.678	3.677	3.705	3.741	3.760	3.792	3.835	3.846	3.853	3.876
North Carolina	3.649	3.648	3.655	3.646	3.696	3.728	3.768	3.784	3.806	3.804	3.800	3.805
Virginia	3.677	3.680	3.681	3.681	3.706	3.743	3.759	3.793	3.839	3.851	3.859	3.884
Midwest (PADD 2)	3.508	3.494	3.483	3.499	3.565	3.646	3.701	3.744	3.785	3.777	3.742	3.688
Indiana	3.541	3.535	3.533	3.531	3.642	3.761	3.811	3.882	3.930	3.928	3.864	3.807
Iowa	3.478	3.421	3.389	3.429	3.425	3.396	3.467	3.495	3.526	3.527	3.510	3.465
Kentucky	3.492	3.479	3.468	3.503	3.535	3.650	3.747	3.786	3.842	3.844	3.796	3.734
Michigan	3.524	3.503	3.512	3.546	3.654	3.807	3.889	3.916	3.932	3.868	3.836	3.765
Minnesota	3.583	3.583	3.566	3.545	3.535	3.517	3.531	3.557	3.613	3.625	3.644	3.618
Nebraska	3.406	3.416	3.409	3.411	3.431	3.428	3.416	3.447	3.476	3.490	3.496	3.473
Ohio	3.593	3.619	3.602	3.675	3.852	4.045	4.103	4.122	4.132	4.086	4.024	3.911
Wisconsin	3.555	3.511	3.479	3.456	3.536	3.572	3.607	3.652	3.713	3.706	3.695	3.644

Source: Based on data collected by State Energy Offices.



SHOPP Final Report

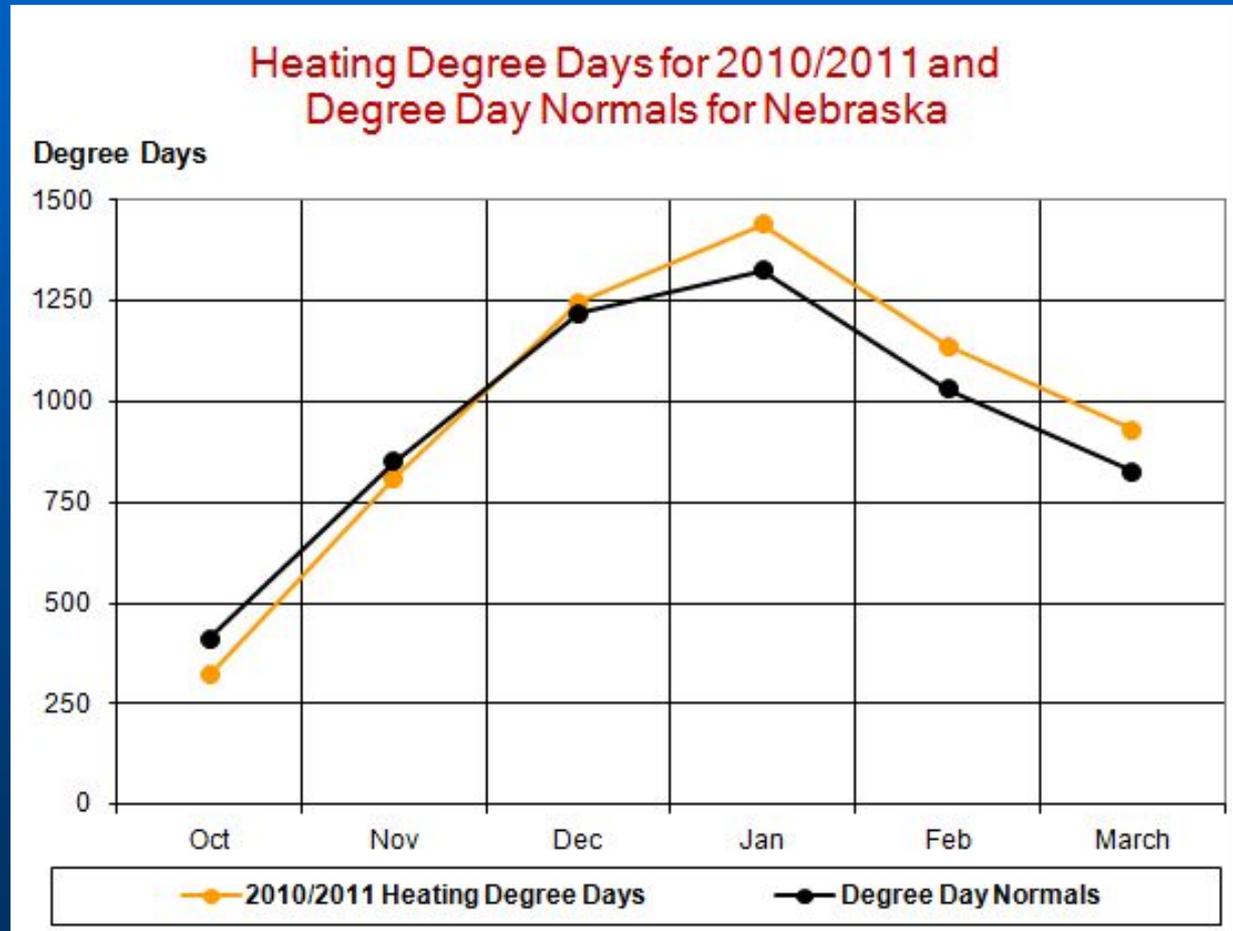


Indicators

- Cold weather
- Wet corn crop
- Changes to pipeline operations



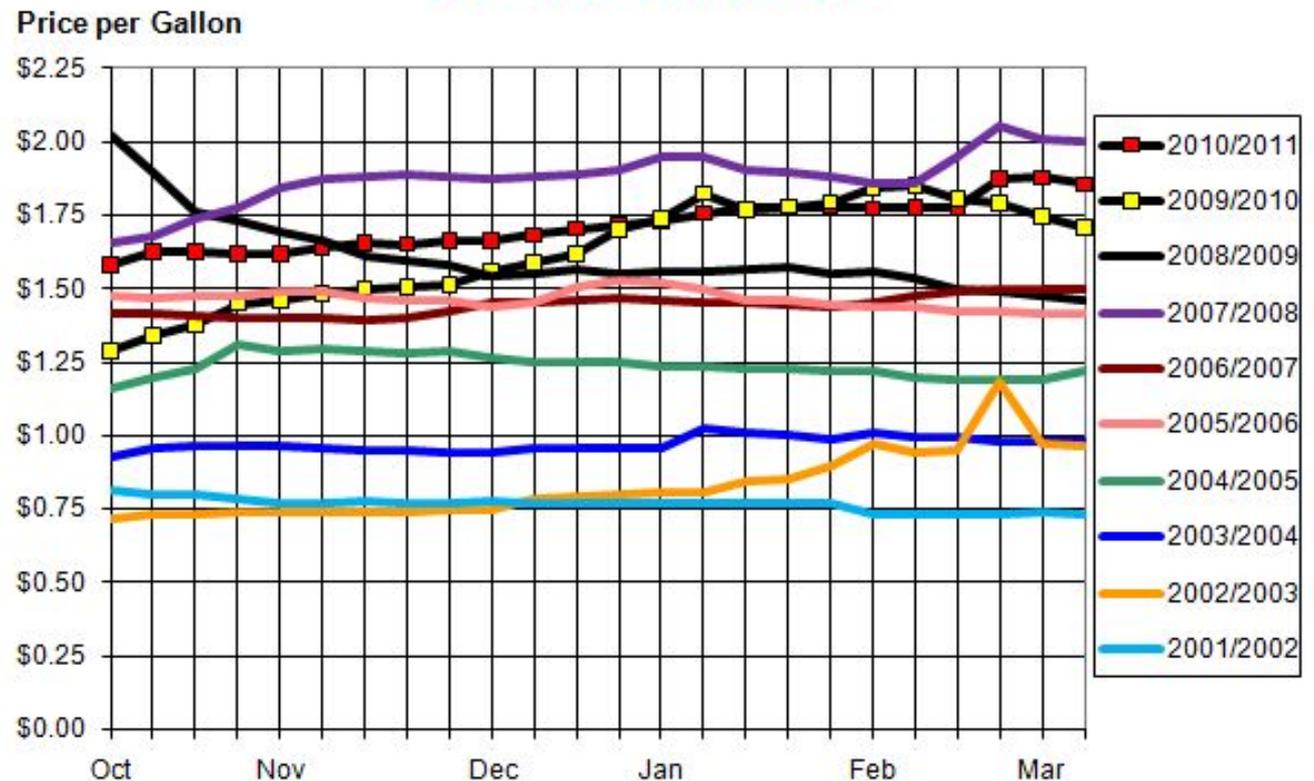
Heating Degree Days





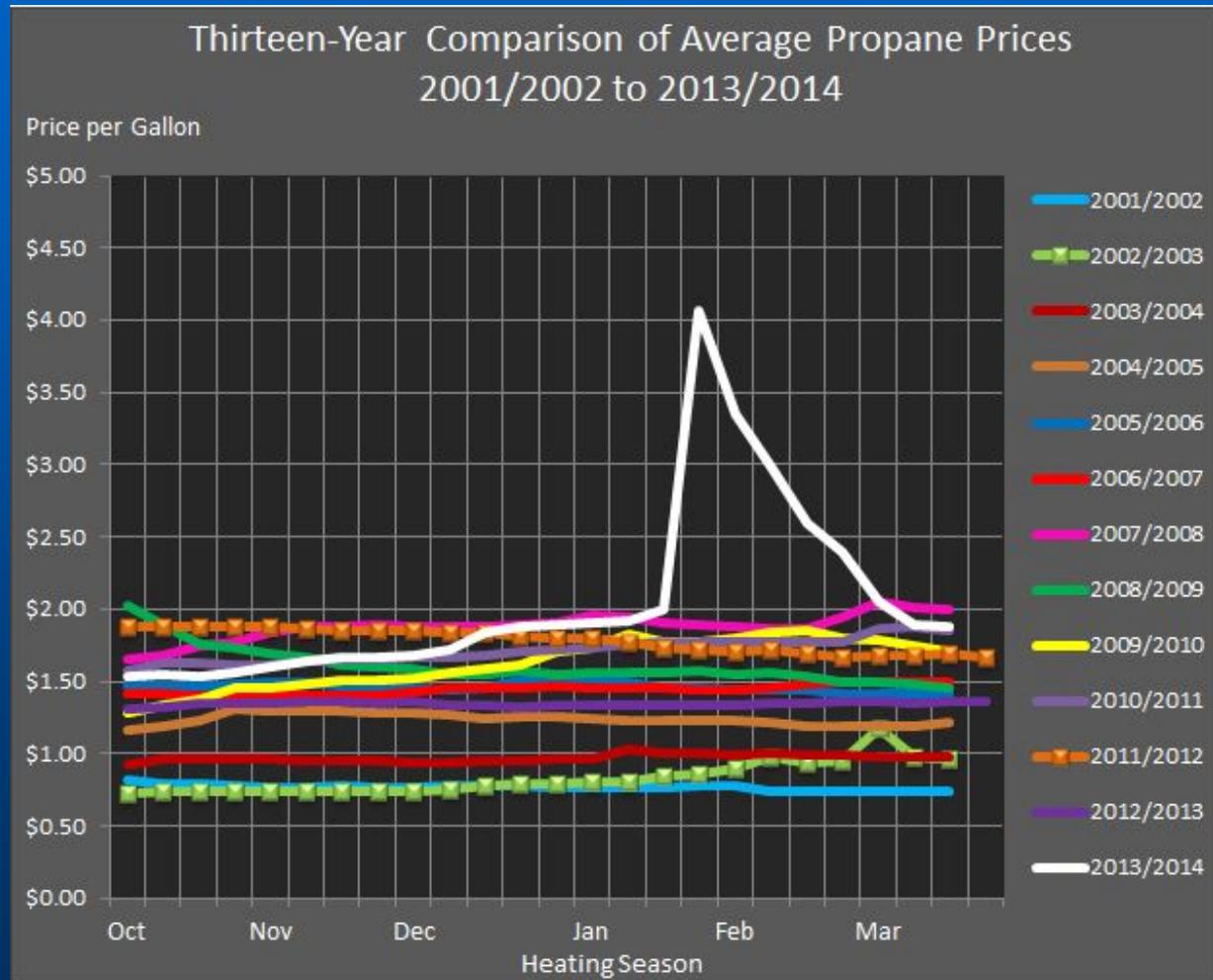
Propane Price Comparison

Ten-Year Comparison of Average Propane Prices
2001/2002 to 2010/2011





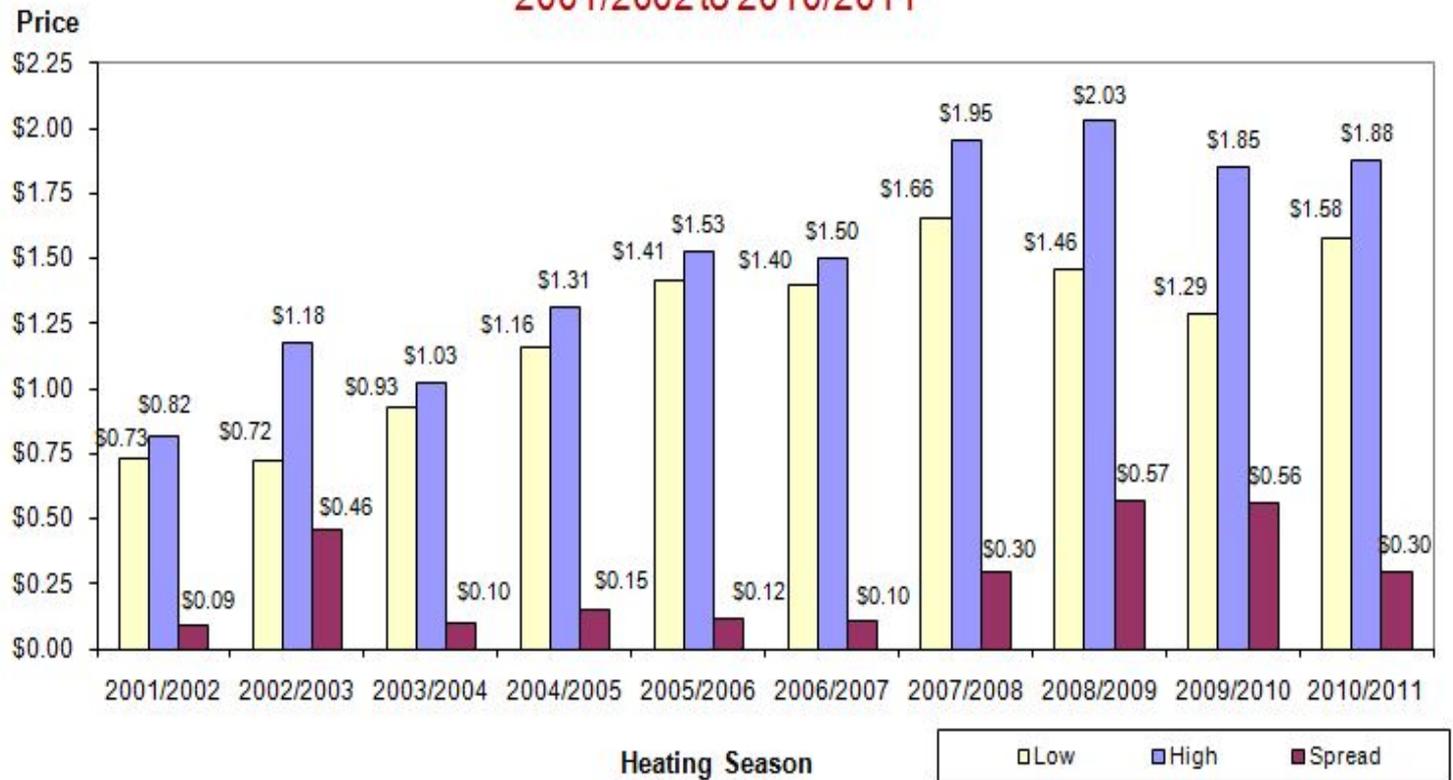
Price Comparison Over 13 Years





Propane Price Range & Spread

Propane Price Range and Spread
Each Heating Season
2001/2002 to 2010/2011





Propane Average Price for Heating Season

Heating Season	Average Price	Percent Increase/(Decrease) From Prior Year
2013/2014	\$2.04	51%
2012/2013	\$1.35	(25%)
2011/2012	\$1.79	4%
2010/2011	\$1.72	6%
2009/2010	\$1.63	1%
2008/2009	\$1.61	(14%)
2007/2008	\$1.88	30%
2006/2007	\$1.45	(1%)
2005/2006	\$1.46	18%
2004/2005	\$1.24	28%
2003/2004	\$0.97	17%
2002/2003	\$0.83	8%
2001/2002	\$0.77	NA
Average Thirteen-Year Price	\$1.44	

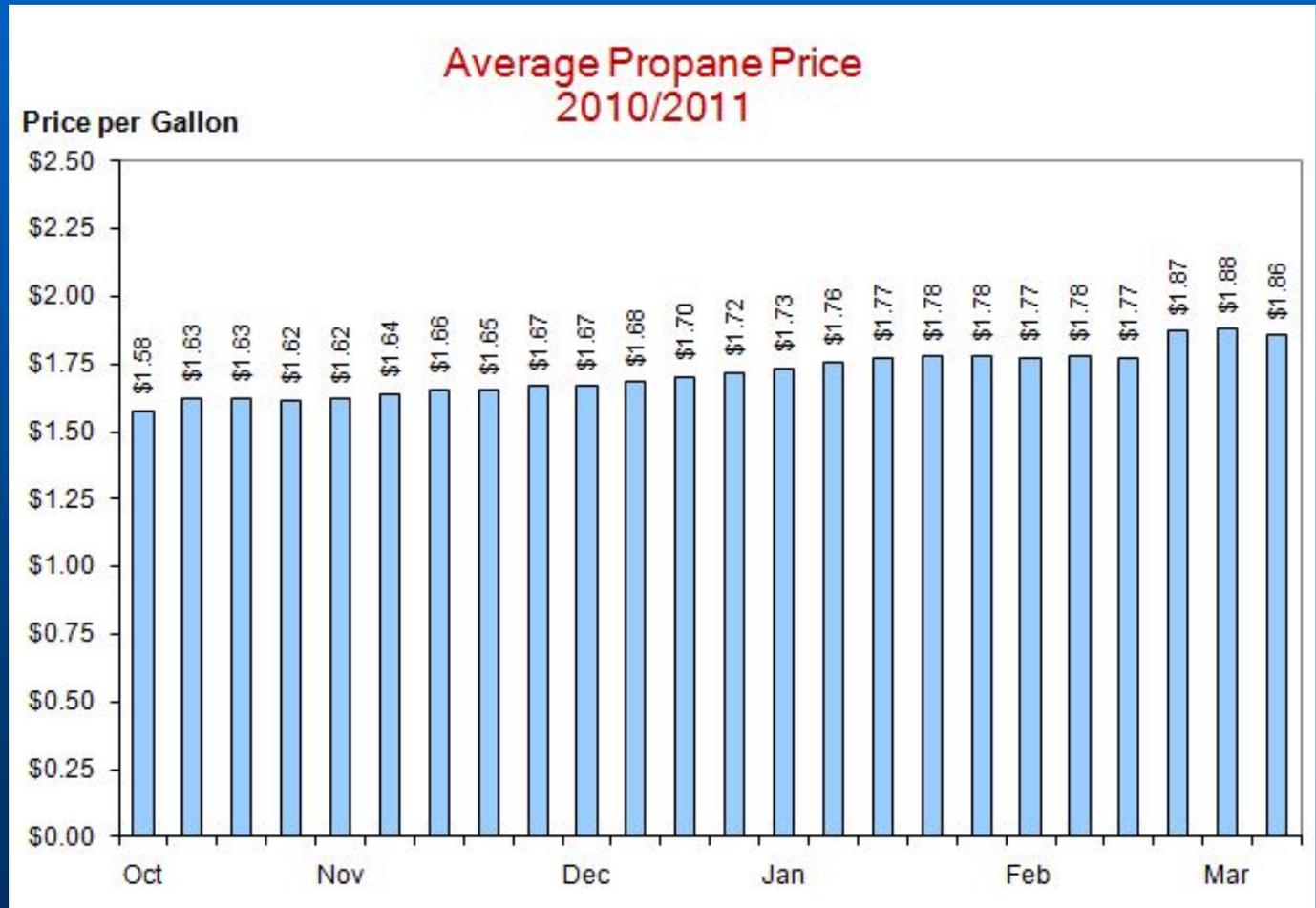


Propane Average Price for October

Heating Season	Average October Price	Percent Increase/(Decrease) From Prior Year
2013/2014	\$1.56	16%
2012/2013	\$1.34	(29%)
2011/2012	\$1.88	17%
2010/2011	\$1.61	18%
2009/2010	\$1.36	(26%)
2008/2009	\$1.85	8%
2007/2008	\$1.71	21%
2006/2007	\$1.41	(5%)
2005/2006	\$1.48	21%
2004/2005	\$1.22	27%
2003/2004	\$0.96	32%
2002/2003	\$0.73	(8%)
2001/2002	\$0.79	NA
Average Thirteen-Year October Price	\$1.38	

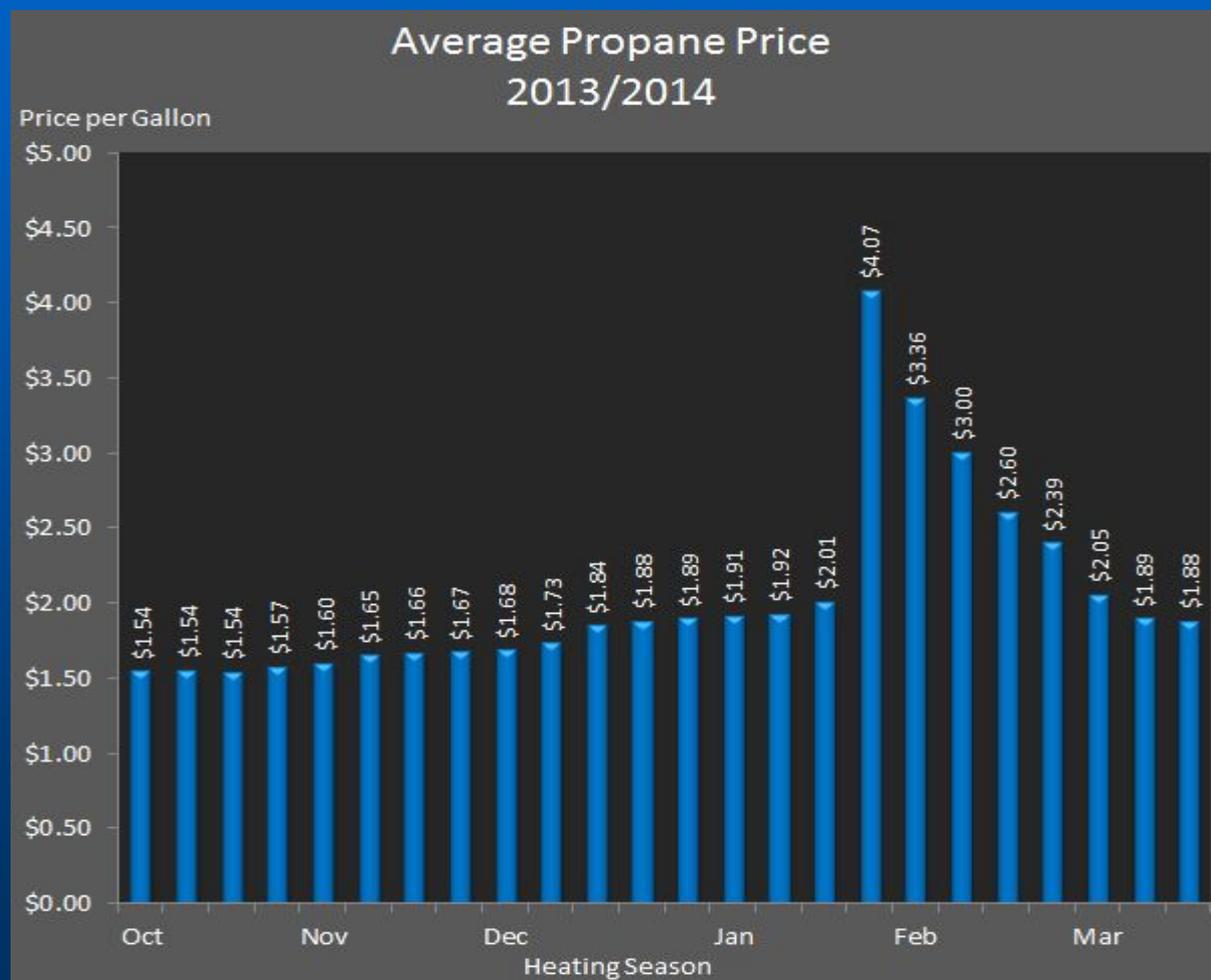


Average Propane Prices



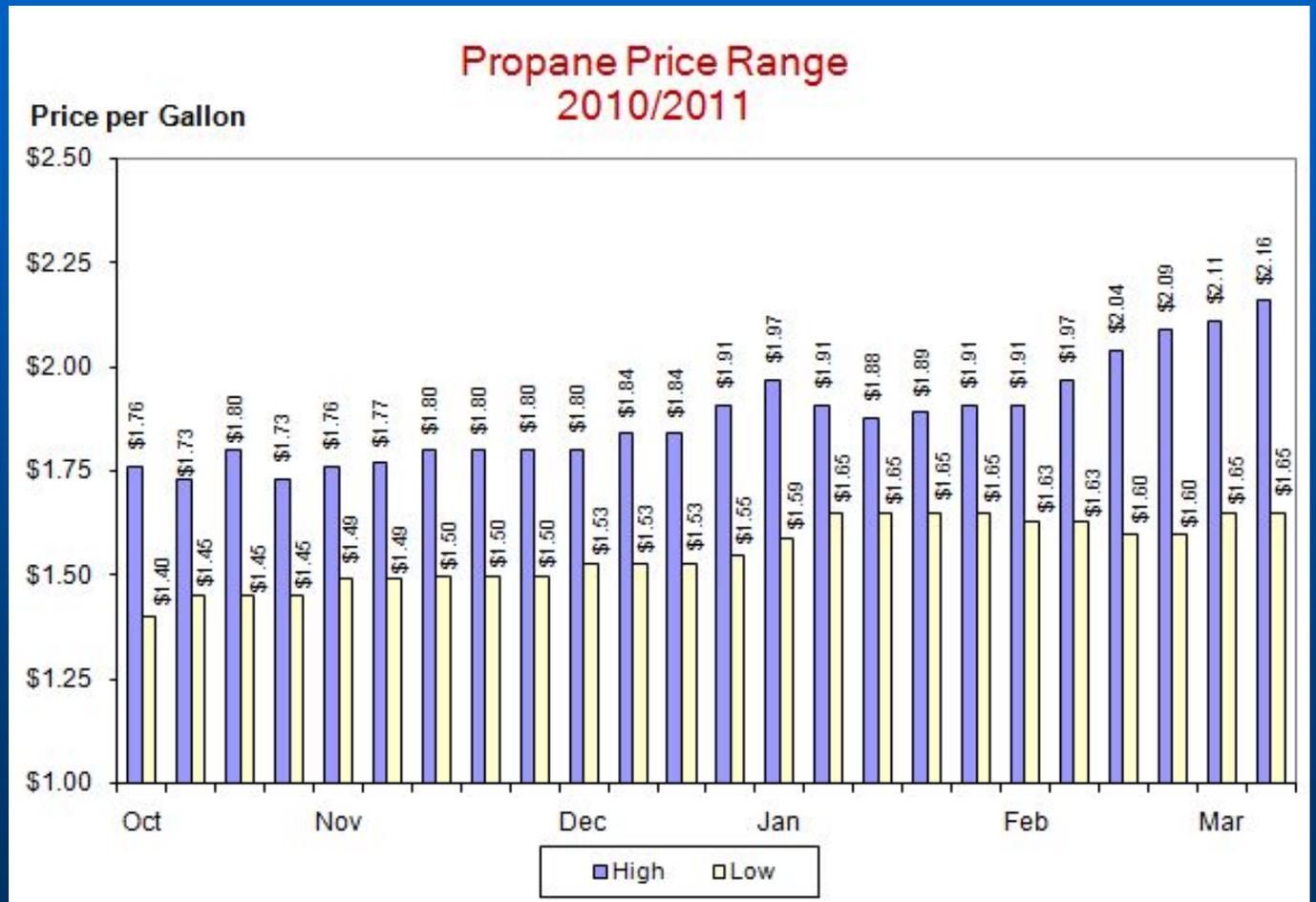


Average Propane Prices



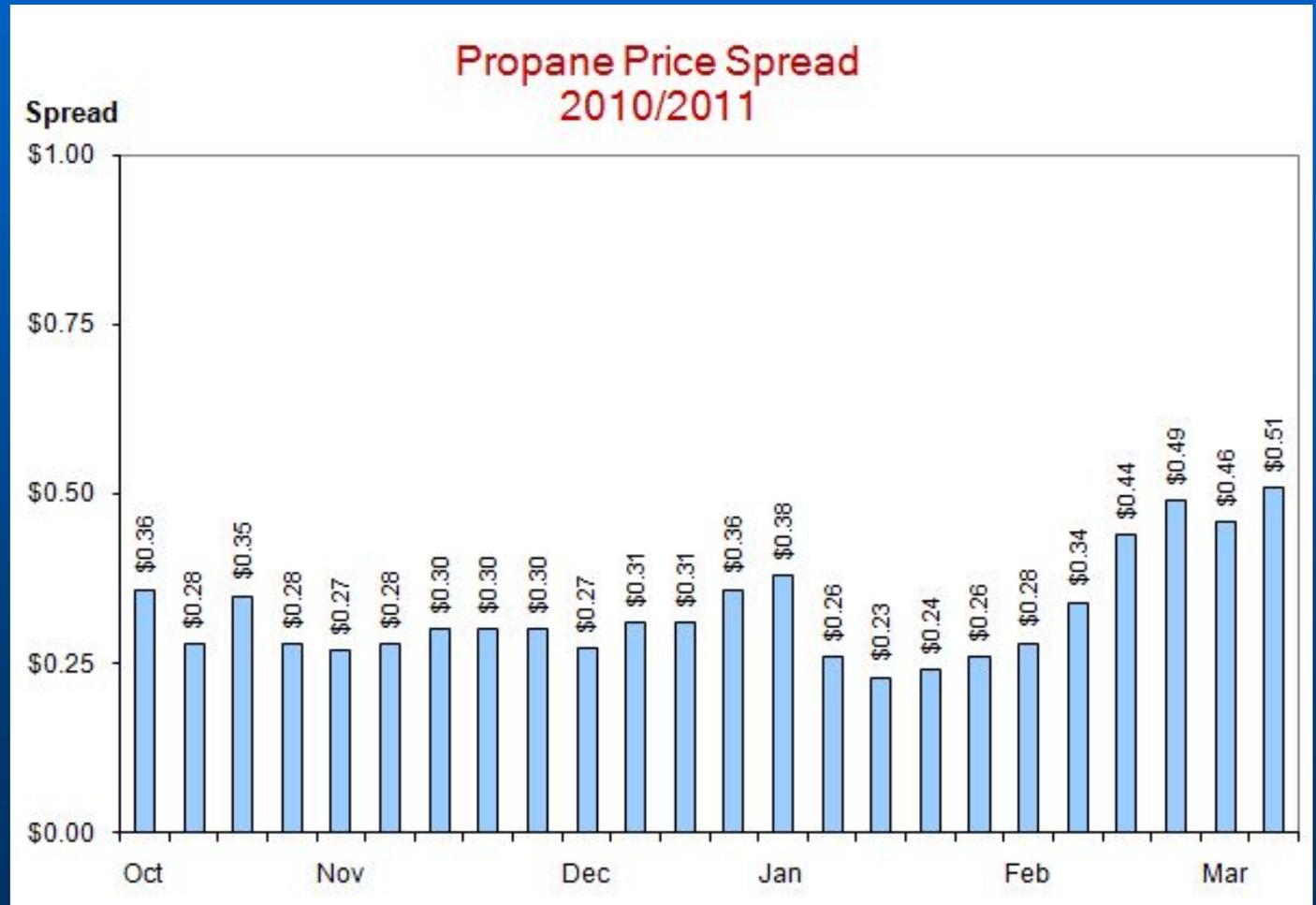


Propane Price Range



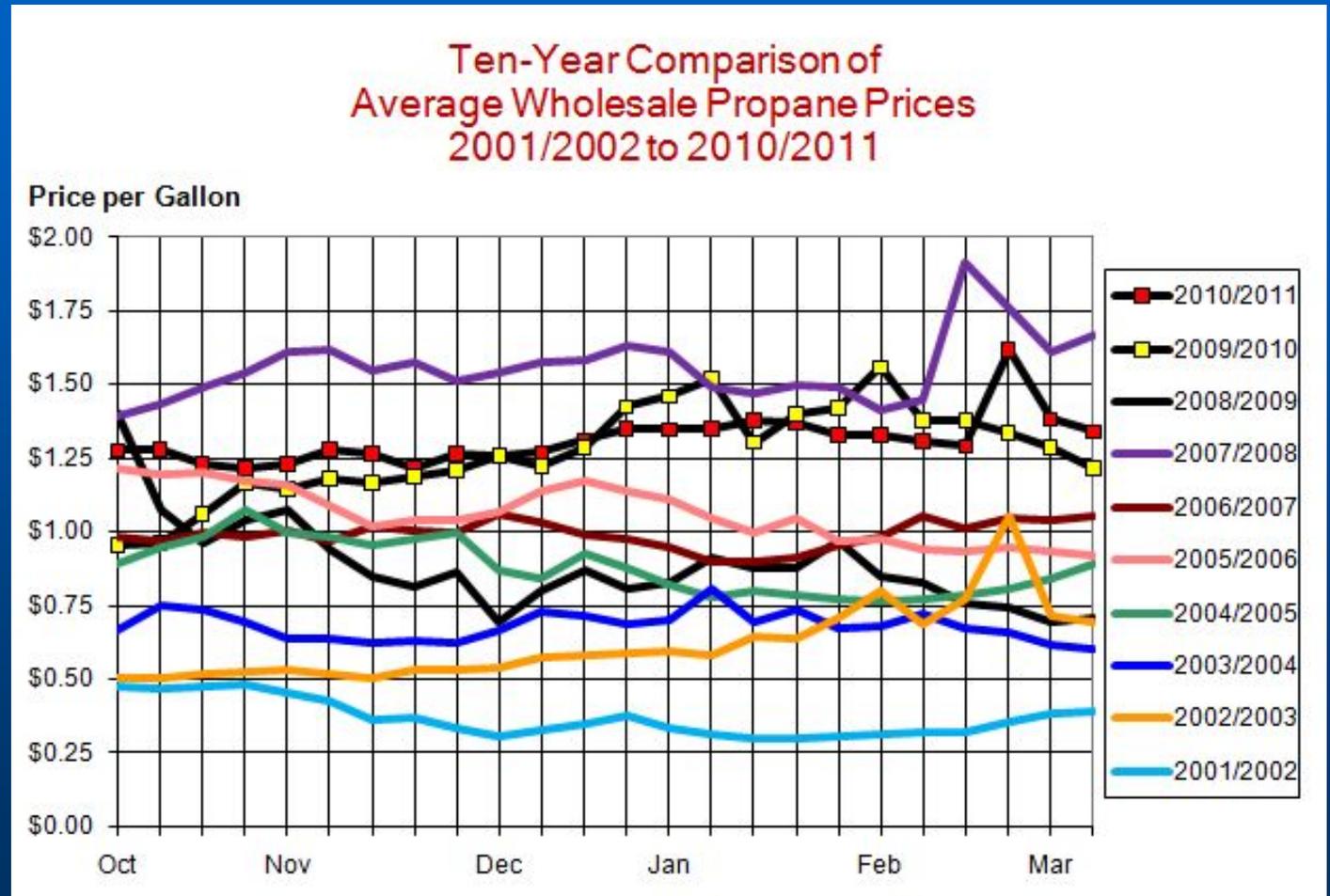


Propane Price Spread



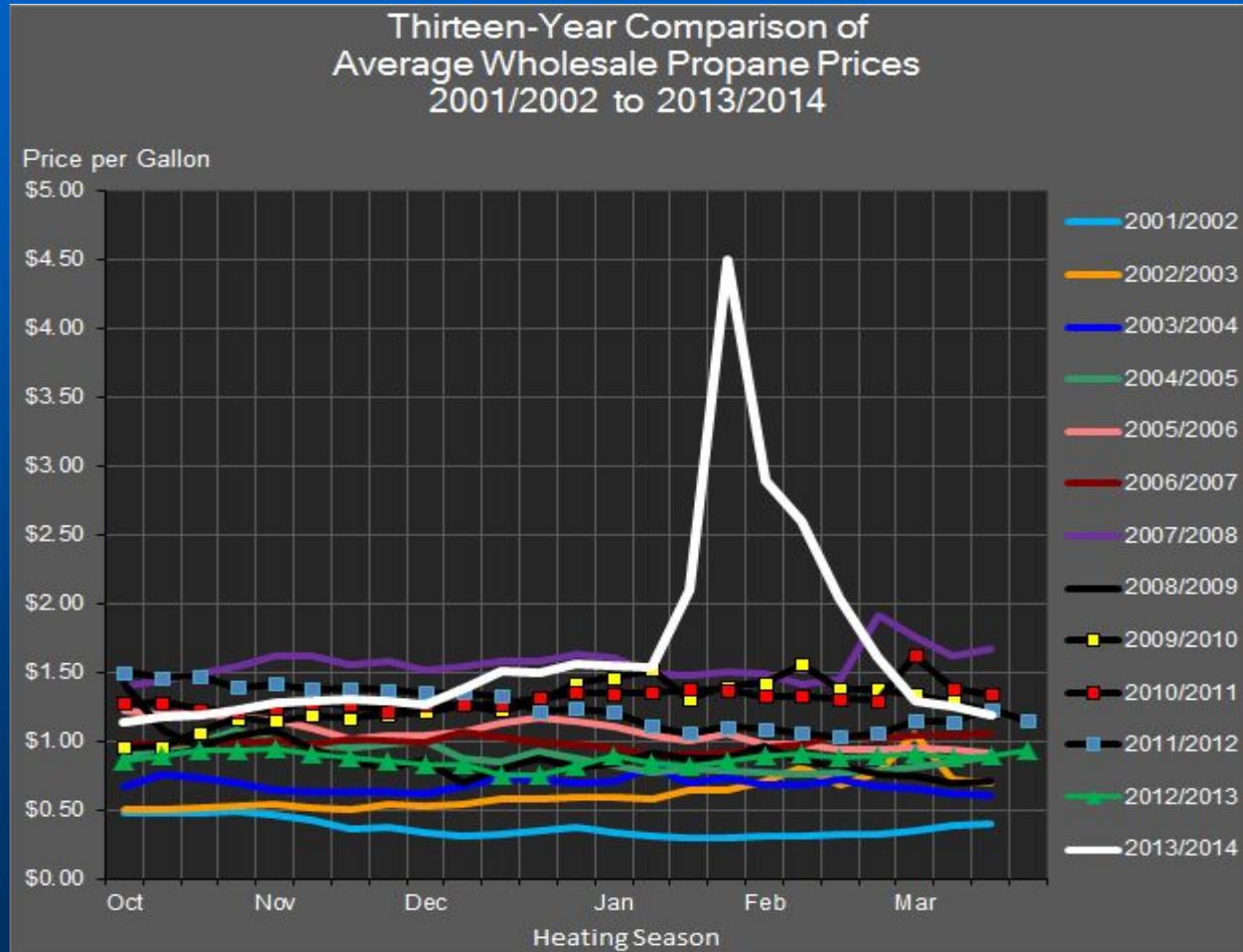


Wholesale Propane Price Comparison



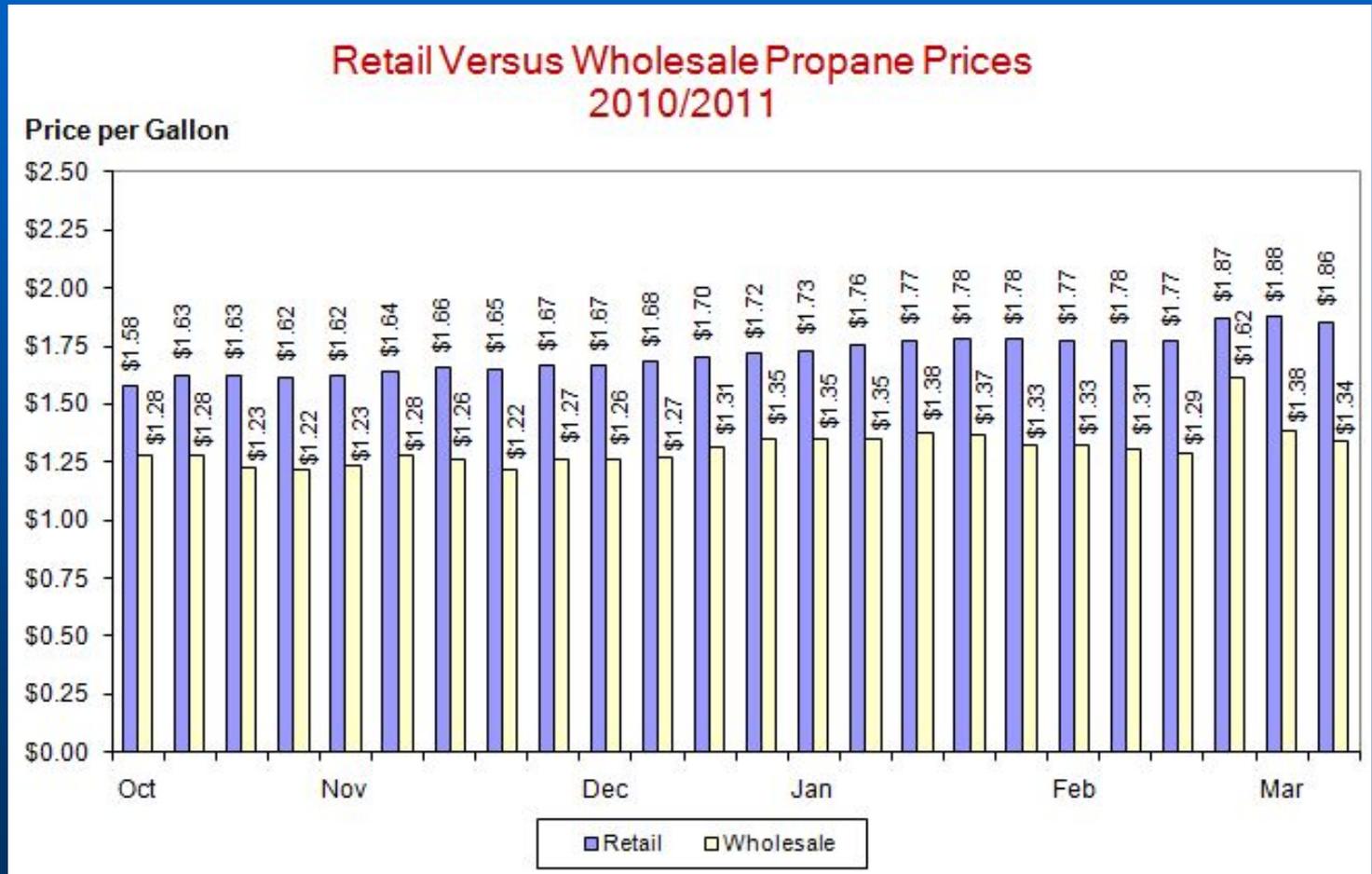


Wholesale Price Comparison Over 13 Years



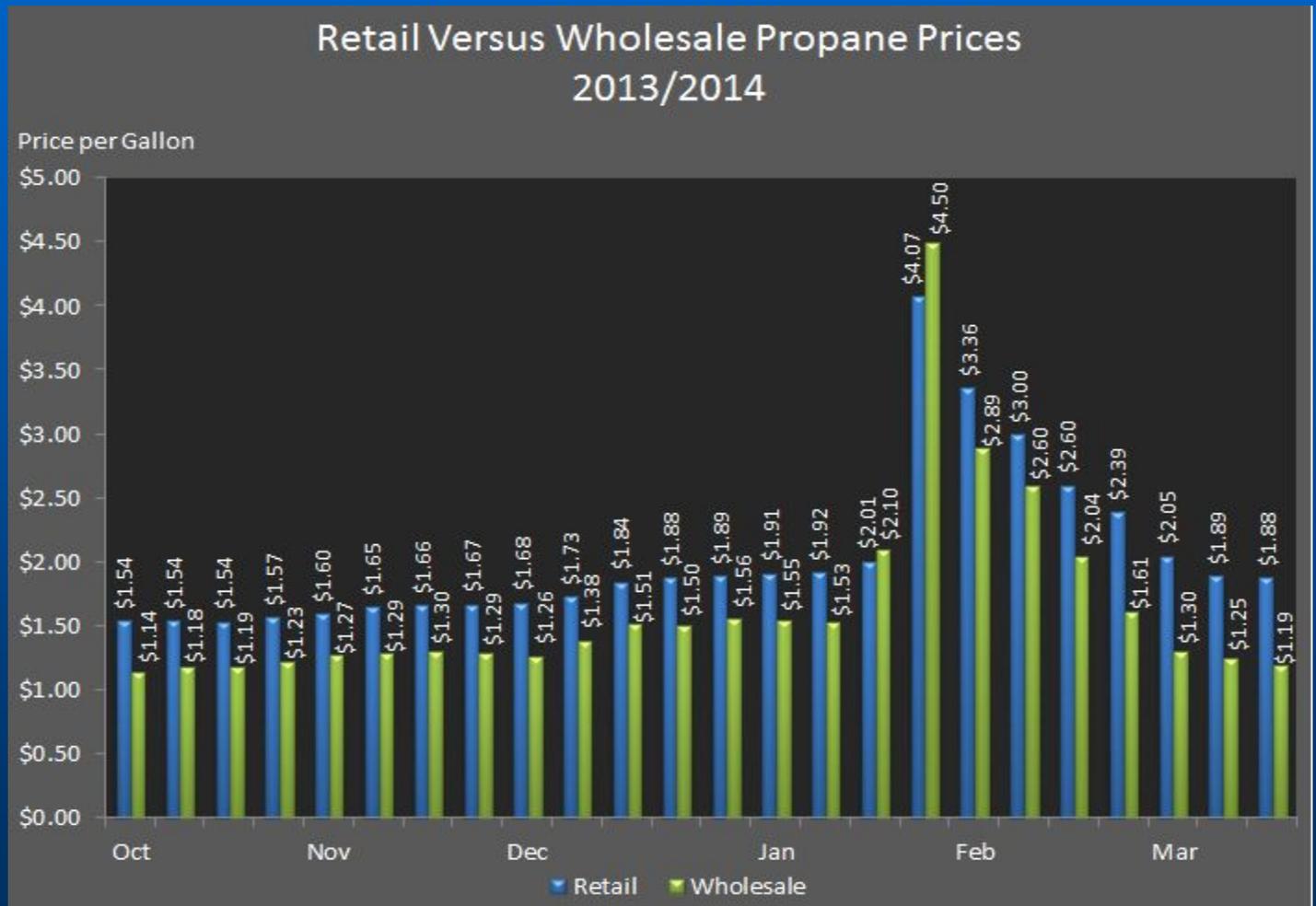


Retail vs. Wholesale Prices



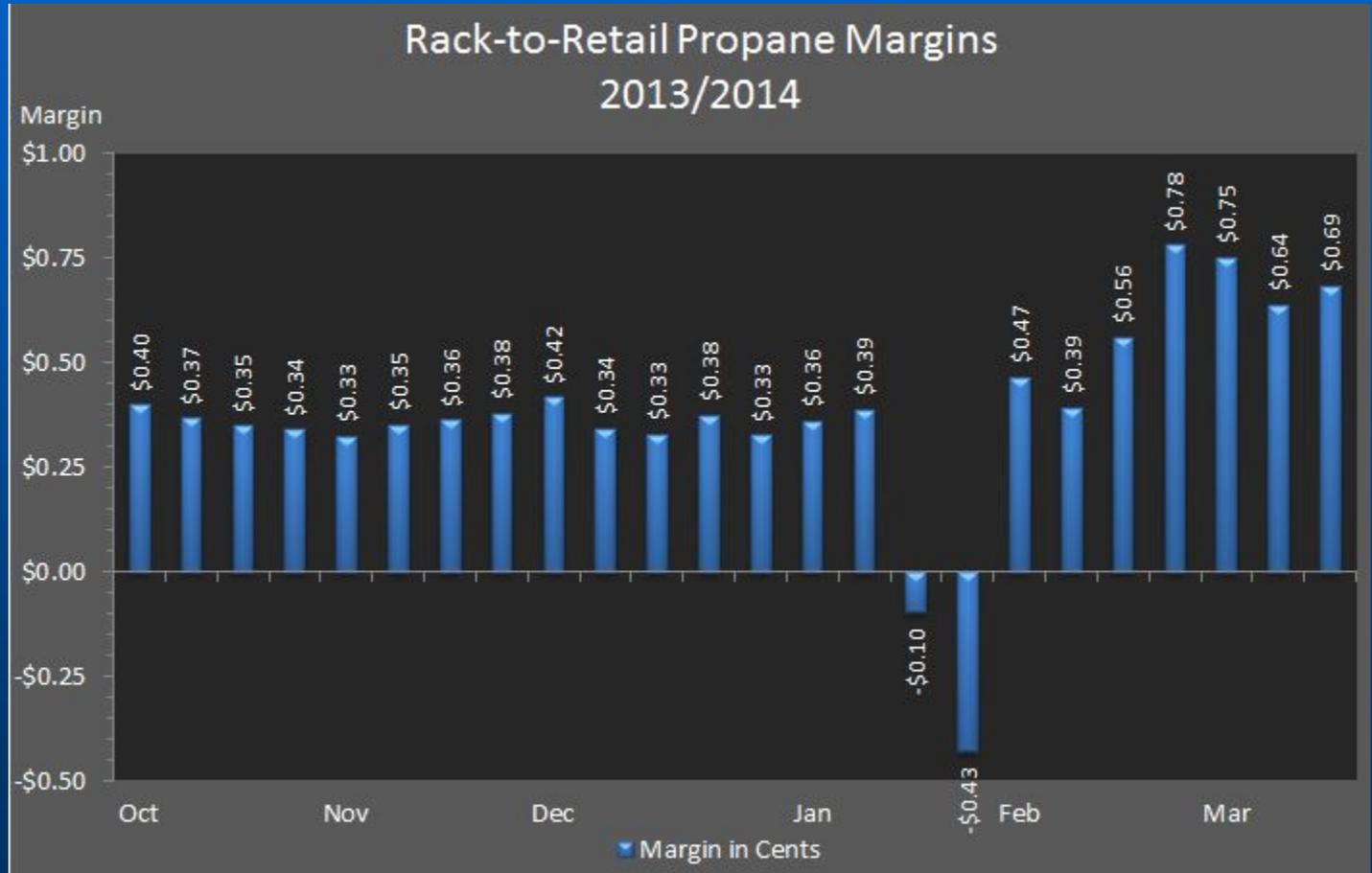


Retail vs. Wholesale Prices



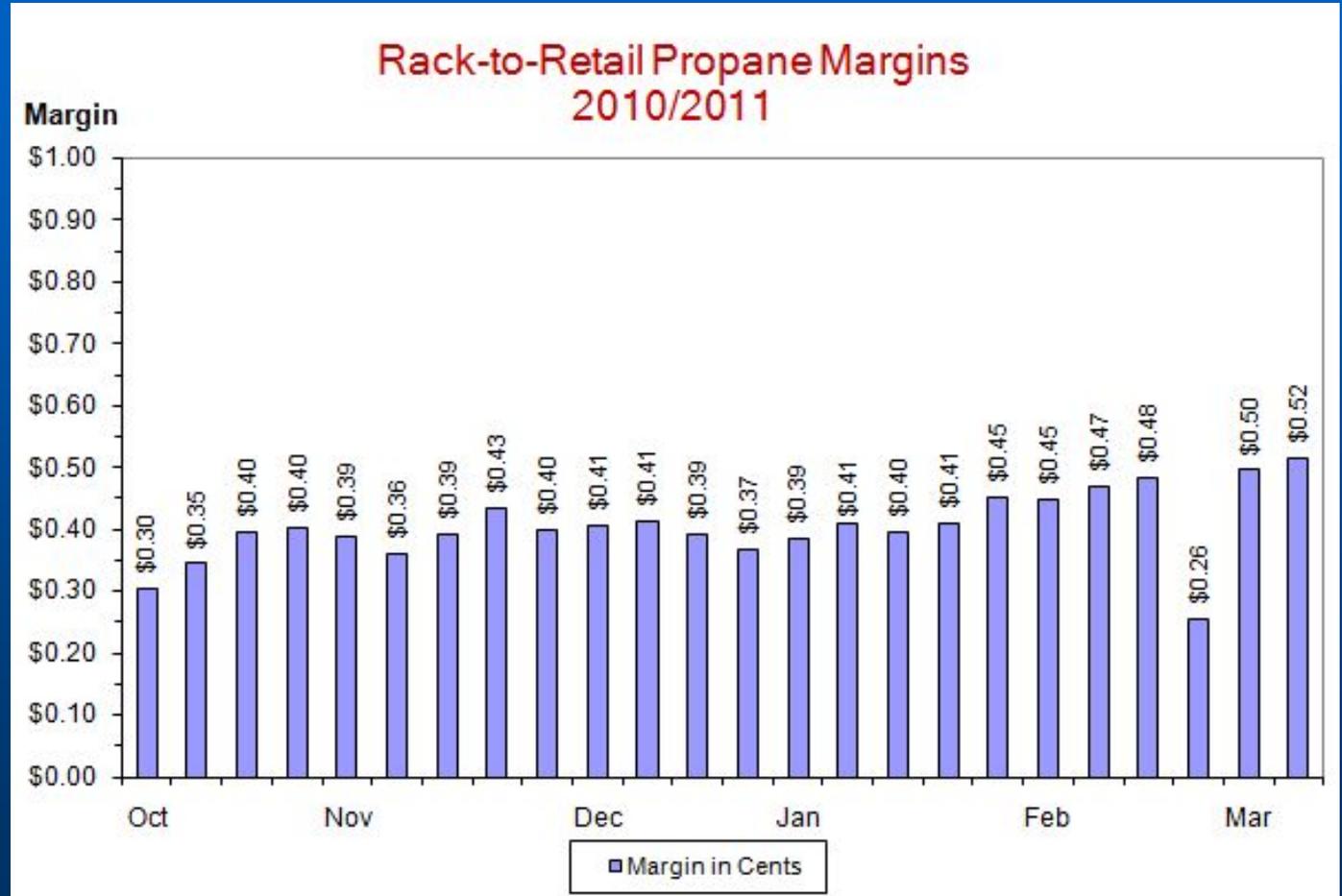


Rack-to-Retail Weekly Propane Price Margin





Propane Price Margins





Issues

- Winter weather forecast
- Other states' issues
- Planned or unplanned refinery shutdowns
 - Refineries that feed Nebraska
 - Refineries that feed other states
- Closed terminals in Nebraska or other states
- Man-made or natural incidents
- Increasing exports of propane
- Price of Conway propane versus Mt. Belvieu
- Pipelines
- Truck / Drivers
- Crops



Proactive Moves



Heating Season Preparations by Nebraska Dealers

Their Customers

- Summer Fill
- Contract Price
- Keep Full
- Budget Billing
- Telling customers to fill all available storage

Their Suppliers

- Contracting a bigger percentage of the amount of propane or heating oil that they estimate needing this winter
- Filled all available storage



Heating Season Preparations by the Nebraska Energy Office

- Conducted a summer survey of propane and heating oil prices
- Contact Emergency Managers in the state to stay on top of any local issues
- Will collect inventory numbers from storage, pipelines, fuel terminals
 - Maintain a color spreadsheet of fuel supply adequacy
- Will collect prime supplier data from as many suppliers as are willing to provide numbers
- Will maintain communication at the Federal, State, and local levels

N E B R A S K A



ENERGY OFFICE

Doris A. Jansky
Statistical Analyst
EEAC / SEAP
(402) 471-3538

Doris.Jansky@nebraska.gov

Agency - <http://www.neo.ne.gov/>

Statistics - <http://www.neo.ne.gov/statshtml/index3c.html>