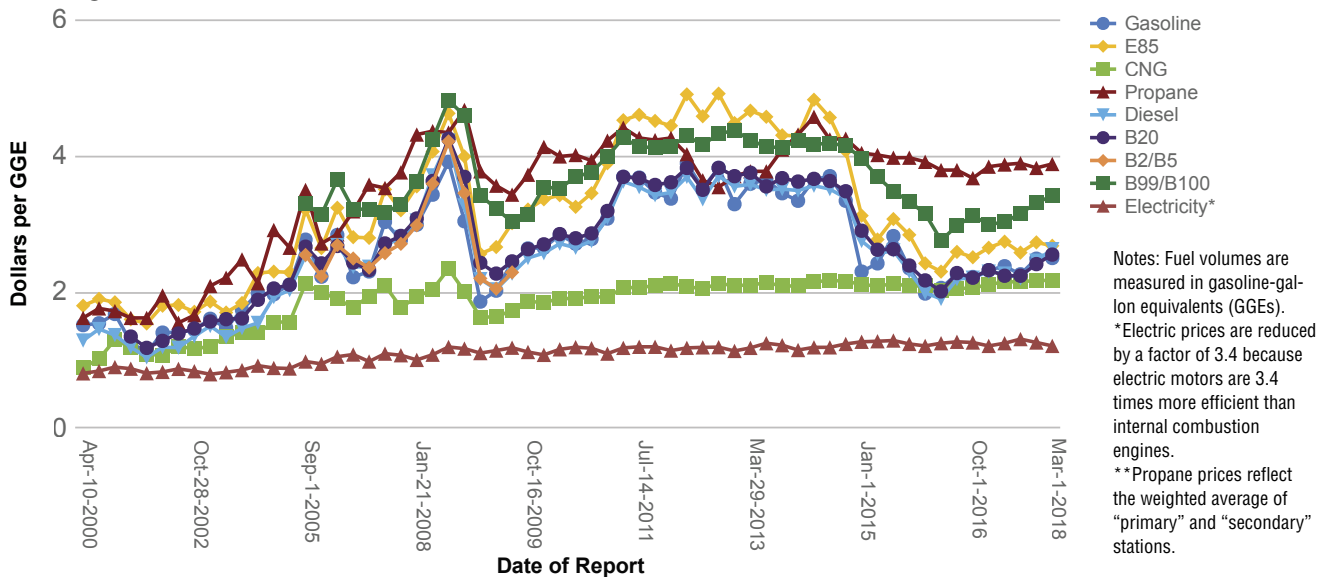


## Average Retail Fuel Prices in the U.S.



The Clean Cities Alternative Fuel Price Report is a quarterly report designed to keep Clean Cities coalitions and other interested parties up to date on the prices of alternative and conventional fuels in the United States.

SOURCE: CLEAN CITIES ALTERNATIVE FUEL PRICE REPORTS. LAST UPDATE MARCH 2018

## Fuel and Emissions, 2012 Model Year Sleeper Cab vs. 2019 MY Sleeper

	2012 MY (6.56 MPG)	2019 MY (8 MPG)	Reduction (Metric Tons)	Reduction
CO <sub>2</sub>	153 MTs	126 MTs	27	18%
PM	0.003 MTs	0.001 MTs	0.002	78%
NO <sub>x</sub>	0.103 MTs	0.056 MTs	0.047	46%
Fuel	15,221 Gal	12,500 Gal	2,271	18%

Fleets will also achieve an estimated 18% reduction in CO<sub>2</sub> emissions and 46% reduction in NO<sub>x</sub> output when upgrading from a 2012 MY sleeper to a 2019 unit.

Note: MT - metric tons  
 SOURCE: FLEET ADVANTAGE

## Sleeper "All in" Cost Comparison

Model Year	Approximate All in Cost	2019 MY All in Cost	Savings	2019 MY Year One Fuel Cost	MY Fuel Expense	Fuel Savings	Fuel/CO <sub>2</sub> Saved
2012	\$92,606	\$65,919	\$26,687	\$41,125	\$50,076	\$8,951	18%
2013	\$87,977	\$65,919	\$22,058	\$41,125	\$48,886	\$7,761	16%
2014	\$82,215	\$65,919	\$16,296	\$41,125	\$47,681	\$6,556	14%
2015	\$80,953	\$65,919	\$15,034	\$41,125	\$46,469	\$5,344	12%
2016	\$76,433	\$65,919	\$10,514	\$41,125	\$45,379	\$4,254	9%
2017	\$70,493	\$65,919	\$4,574	\$41,125	\$44,280	\$3,155	7%
2018	\$69,391	\$65,919	\$3,472	\$41,125	\$43,176	\$2,051	5%

Fleets can see a first-year savings of \$26,687 when upgrading from a 2012 sleeper to a 2019 model, based on diesel prices at \$3.29. This is a 7.9% increase in savings compared with a similar analysis of upgrading to a 2017 model when diesel prices were \$2.57.