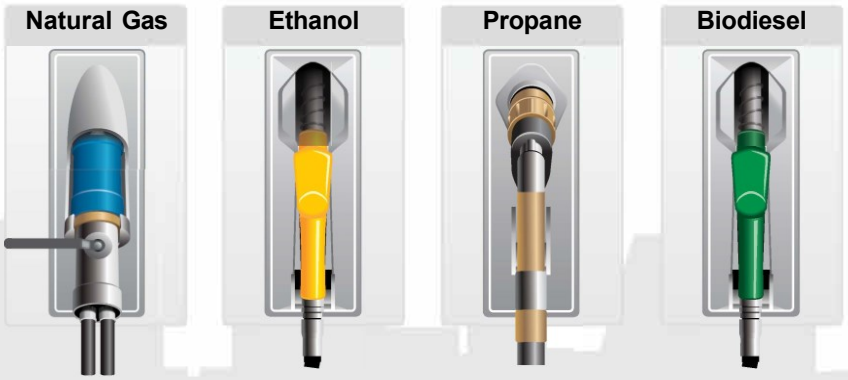
U.S. DEPARTMENT of ENERGY | Office of Energy Efficiency and Renewable Energy

July 2025









CLEAN CITIES and COMMUNITIES

Alternative Fuel Price Report

Clean Cities and Communities

Welcome to the July 2025 Issue!

The Clean Cities and Communities Alternative Fuel Price Report (AFPR) is a quarterly report designed to keep Clean Cities and Communities coalitions and other interested parties up to date on the prices of alternative and conventional motor vehicle fuels in the United States. This issue summarizes prices that were provided between July 1 and July 15, 2025, by coalition directors.

Historically, the prices of compressed natural gas (CNG), liquefied natural gas (LNG) and propane have been much more stable, with minimal up and down swings in price, when compared to gasoline or diesel. Prices for Ethanol (E85) and biodiesel have tended to follow the movements in gasoline and diesel prices, respectively, more closely.

What's New in This Issue:

For the July 2025 report, coalition directors submitted 4,486 prices, a decrease of 1,117 data points from prices reported in April 2025. This included 237 prices for lesser-used fuels such as ethanol blends between E15 and E50, biodiesel blends such as B5, B10, and B50, and hydrogen. We maintain the data on the lesser-used fuels in the database for possible future use; we do not currently include separate sections addressing those fuels in this publication, due to an insufficient number of data points.

National average retail prices reported by coalition directors declined from April 2025 to July 2025 for CNG, E85, propane, and B99/B100, while average prices for B20 increased, and LNG prices remained the same. National average retail prices for gasoline and diesel reported by coalition directors decreased by $0.04/gallon and increased by $0.11/gallon, respectively, during this period. All reported LNG prices were from the Gulf Coast and West Coast regions. In the Gulf Coast, LNG average prices were higher than the average diesel and gasoline prices, by $2.83/DGE and $2.63/GGE, respectively. In the West Coast, LNG average prices were less than the average diesel and gasoline prices, by $0.27/DGE and $0.32/GGE, respectively, during this period. National average CNG prices were $0.18/GGE less than gasoline and $0.35/DGE less than diesel in the July 2025 report. CNG prices reported by coalition directors were lower than gasoline prices in all regions except for New England and the Gulf Coast region, where CNG prices were $0.82/GGE and $0.16/GGE higher than gasoline, respectively. CNG prices were also lower than diesel in all regions except for New England and the Gulf Coast, where CNG prices were $0.56/DGE and $0.07/DGE higher than diesel, respectively. The regions where the differences between CNG and diesel prices were smallest were in the Rocky Mountain region at $0.27/DGE lower than diesel and in the Central Atlantic region, where CNG prices were $0.48/DGE lower than diesel. National average retail prices for E85 were $0.35/gallon more than national average gasoline prices, with E85 prices higher in all regions except for the West Coast region, and differences in prices ranged from $0.07/gallon less than gasoline in the West Coast region to $0.57/gallon more than gasoline in the Central Atlantic region.

Continuing with the process begun in the April 2025 report, the July 2025 report included formatting and design for maps in Figures 2, 4, 6, 8, 10, 12, and 14, that included a heat map process for graphically representing the price differences of the average of actual alternative fuel prices reported by states when compared to their state's region's average gasoline or average diesel prices. This process provides enhanced visualization for analyzing the quarterly state price differences using a spectrum of colors for making comparisons instead of creating fixed price range color categories for categorizing states based on their differential amounts. It also provides more meaningful and clarifying data for calculating descriptive statistics such as measures of central tendency (mean, median, mode), distribution (range), variability and dispersion (standard deviation), as well as identifying any potential existing outliers. We believe this design continues to be an upgrade to the maps and data.

Renewable Diesel

Coalition directors from six coalitions in California (CA) and one each from Idaho, Montana and Wyoming submitted a total of 110 renewable diesel (RD) prices this quarter. Since nearly all the RD prices received for the quarterly report were from CA, we compared the average RD price to the average of diesel prices submitted by directors in CA, rather than to national average diesel prices. For the July 2025 report, the average RD price in CA was $5.10/gallon, a $0.16/gallon increase from April 2025. The average diesel price in CA was $5.09/gallon, a $0.12/gallon increase from the previous quarterly period, making average RD prices $0.01/gallon greater than average diesel prices in CA. The three RD prices submitted by the other states were considerably lower than the RD prices in CA, bringing the overall average RD price in this report to $5.08/gallon.

Looking Ahead

We will continue to improve the Alternative Fuel Price Report, based on user feedback. We look forward to hearing from you as we implement these upgrades. See page 28 for contact information.

Methodology

- This report's prices represent retail, at-the-pump sales prices for each fuel, including federal and state motor fuel taxes.[1]
- Coalition directors provide prices for fuels in their areas on a voluntary basis.
- Prices were submitted for all major alternative fuels currently in widespread use, i.e., natural gas, propane, biodiesel, and ethanol.
- Prices were submitted for conventional fuels from stations that also sell alternative fuels, or from nearby stations.
- Prices from public and private refueling stations are included.[2]
- Prices were averaged to determine regional price trends by fuel and variability in fuel price within and among regions.[3]
- Some states charge a flat annual fee in lieu of collecting motor fuel taxes at the pump, usually for large trucks using gaseous fuels like compressed natural gas (CNG) and liquefied petroleum gas (LPG or propane). These flat fees are not included in the prices reported in these pages.
- Consistent with the U.S. Energy Information Administration (EIA) fuel price reporting format, prices are grouped by the Petroleum Administration for Defense Districts (PADD). The PADD districts are illustrated in the map below.

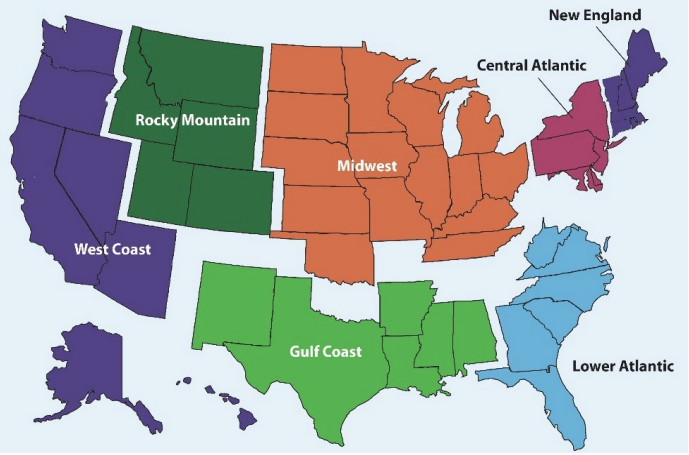


FIGURE 1
PETROLEUM ADMINISTRATION FOR DEFENSE DISTRICTS (PADD)
Source: U.S. Energy Information Administration

TABLE 1
Number of Data Points Submitted

Region	Gasoline	Diesel	CNG	LNG	Ethanol	Propane	B20	B99/B100
New England	115	124	19	0	0	56	7	4
Central Atlantic	38	37	50	0	44	41	13	1
Lower Atlantic	200	187	32	0	163	76	0	0
Midwest	425	345	92	0	194	94	35	0
Gulf Coast	201	134	51	1	144	157	33	0
Rocky Mountain	76	75	16	0	21	45	0	1
West Coast	192	128	87	10	100	217	47	2
TOTAL	**1247**	**1030**	**347**	**11**	**666**	**686**	**135**	**8**

[1] In some cases, prices were submitted by government refueling facilities, and motor fuel taxes were not included in the prices reported to Clean Cities and Communities. In these instances, the appropriate federal and state motor fuel taxes have been added to the reported prices to provide a more representative basis for comparison.
[2] Public refueling stations are open to the public, while private fueling stations are privately owned or available only to selected fleets.
[3] Fuel price averages for this report are determined by simply averaging the individual data points received. A comparison of average fuel prices for private and for public stations by region can be found on pages 24–25.

Summary of Current Report Information



Table 2 shows national average retail fuel prices for this report and the previous report.[4] Changes in average retail prices from one quarter to another may be due to a number of factors, including an actual change in price, different sample sizes, the inclusion of different locations, and seasonal variations in demand.

Prices in this report were reported in the units in which they are typically sold, for example, dollars per gallon of gasoline or dollars per gasoline gallon equivalent (GGE) of CNG.

Consumer interest in alternative fuels generally increases when the alternative fuel price is less than the conventional fuel price on a per gallon basis, even if that differential does not directly translate to savings on an energy-equivalent basis.

TABLE 2
National Average Retail Fuel Prices
Conventional and Alternative Fuels, July 2025 *

Fuel Type	April 2025	July 2025	Change in Price April-July	Units of Measurement
Gasoline	$3.23	$3.19	-$0.04	per gallon
Diesel	$3.64	$3.75	$0.11	per gallon
CNG	$3.08	$3.01	-$0.07	per GGE
LNG	$4.73	$4.73	$0.00	per DGE
Ethanol (E85)	$2.82	$2.72	-$0.10	per gallon
Propane**	$3.37	$3.24	-$0.13	per gallon
Biodiesel (B20)	$3.47	$3.77	$0.30	per gallon
Biodiesel (B99/B100)	$4.08	$3.99	-$0.09	per gallon

*Includes public and private stations
**Includes primary and secondary stations

TABLE 3
National Average Retail Fuel Prices on an Energy-Equivalent Basis, July 2025 *

Fuel Type	Per Gasoline Gallon Equivalent ($/GGE)	Per Diesel Gallon Equivalent ($/DGE)	Per Million British Thermal Units ($/MBtu)
Gasoline	$3.19	$3.61	$27.91
Diesel	$3.34	$3.75	$29.14
CNG	$3.01	$3.40	$26.33
LNG	$4.21	$4.73	$36.75
Ethanol (E85)	$3.54	$4.00	$40.41
Propane**	$4.44	$4.99	$53.17
Biodiesel (B20)	$3.40	$3.85	$26.90
Biodiesel (B99/B100)	$3.91	$4.39	$33.39

*Includes public and private stations
**Includes primary and secondary stations

Liquid fuels have differing energy contents per gallon, so the price paid per unit of energy content can differ somewhat from the price paid per gallon. Table 3 shows fuel prices from Table 2 normalized to an energy-equivalent basis.

Note that, for the alternative fuels, prices on an energy-equivalent basis, i.e., $/GGE or $/DGE, are generally higher than the prices per gallon, due to their lower energy content.[5]

Propane prices include information from both "primary" and "secondary" stations. Primary stations have dedicated vehicle services and tend to be less expensive than secondary stations, which mostly serve the propane tank and bottle market.

Prices for Table 3 were calculated using the nominal lower heating values in British thermal units (Btus) per gallon of fuel from Appendix B of the Oak Ridge National Laboratory's Transportation Energy Data Book.[6]

[4] A very small sample (23 points) of hydrogen information was received, with an average price of $35.08/GGE.
[5] For ethanol flexible-fuel vehicles (FFVs), the actual difference in fuel used per mile is somewhat less than would be calculated simply on the difference in energy content of the fuels. Some sources have noted that some FFVs can achieve better energy efficiency (miles per unit of energy) on E85 than on gasoline. This effect is not currently included in these calculations as the magnitude of the effect varies by specific FFV model.
[6] https://tedb.ornl.gov/. A listing of the conversion factors used appears in Illustration of Conversion Factors for Fuels on page 26.

Gasoline and Diesel Prices: Clean Cities and Communities and EIA Data

Table 4 shows gasoline and diesel prices submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025, compared to prices from the petroleum information section of the Energy Information Administration (EIA) website for the week of July 7, 2025.

Clean Cities and Communities prices for conventional fuels were obtained from retail stations providing alternative fuel price information, or from nearby stations, so data collection was not uniform across the regions of the country; however, the information is representative of refueling stations selling both alternative fuels and conventional fuels.

The EIA data shows weekly average prices from a sample of approximately 800 retail gasoline and 400 retail diesel outlets across the country. The EIA data points are weighted to reflect the quantity of fuel being sold at that price.

The Clean Cities and Communities data is not weighted and represents simple averages of reported prices. While there is some variation, the EIA average prices match relatively closely with the average prices reported by coalition directors.

TABLE 4
Average Retail Gasoline and Diesel Prices by Region, in $/gal
from Clean Cities and Communities (CC&C) and EIA Sources**

	Gasoline Prices			Diesel Prices		
Region	**CC&C**	**EIA****	**Difference*****	**CC&C**	**EIA****	**Difference*****
New England	$3.12	$3.02	$0.10	$3.90	$3.97	-$0.07
Central Atlantic	$2.99	$3.18	-$0.19	$3.62	$3.94	-$0.32
Lower Atlantic	$3.03	$2.92	$0.11	$3.63	$3.68	-$0.05
Midwest	$3.01	$2.98	$0.03	$3.67	$3.73	-$0.06
Gulf Coast	$2.70	$2.69	$0.02	$3.16	$3.38	-$0.22
Rocky Mountain	$3.08	$3.13	-$0.05	$3.39	$3.67	-$0.28
West Coast	$4.41	$4.08	$0.34	$4.87	$4.46	$0.41
NATIONAL AVERAGE	**$3.19**	**$3.13**	**$0.06**	**$3.75**	**$3.74**	**$0.01**

**EIA prices are from the petroleum information section of the EIA website, week of 07/07/2025.
http://www.eia.gov/dnav/pet/xls/PET_PRI_GND_A_EPMR_PTE_DPGAL_W.xls
http://www.eia.gov/dnav/pet/xls/PET_PRI_GND_A_EPD2D_PTE_DPGAL_W.xls
***Negative numbers represent average Clean Cities and Communities prices that are lower than EIA prices.

Compressed Natural Gas (CNG) Relative to Gasoline

TABLE 5 Compressed Natural Gas (CNG) and Gasoline Average Retail Prices by Region			
Region	**CNG Prices ($/GGE*)**	**Gasoline Prices ($/gal)**	**Price Difference****
New England	$3.94	$3.12	$0.82
Central Atlantic	$2.78	$2.99	-$0.21
Lower Atlantic	$2.68	$3.03	-$0.35
Midwest	$2.66	$3.01	-$0.35
Gulf Coast	$2.86	$2.70	$0.16
Rocky Mountain	$2.76	$3.08	-$0.32
West Coast	$3.57	$4.41	-$0.84
NATIONAL AVERAGE	**$3.01**	**$3.19**	**-$0.18**

*GGE = gasoline gallon equivalent
**Negative numbers represent average CNG prices that are lower than gasoline, on a $/GGE basis.

The prices shown in Table 5 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



CNG prices in Table 5 were obtained from the "price at the pump," given in $/gasoline gallon equivalent (GGE), and averaged for each region.

As with other fuels, the energy content of natural gas can vary. CNG dispensers are calibrated for local gas compositions and dispense an accurate GGE or DGE for the actual gas being sold.

On average, during this reporting period, CNG costs about $0.18 less than gasoline on a per gasoline gallon equivalent (GGE) basis.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

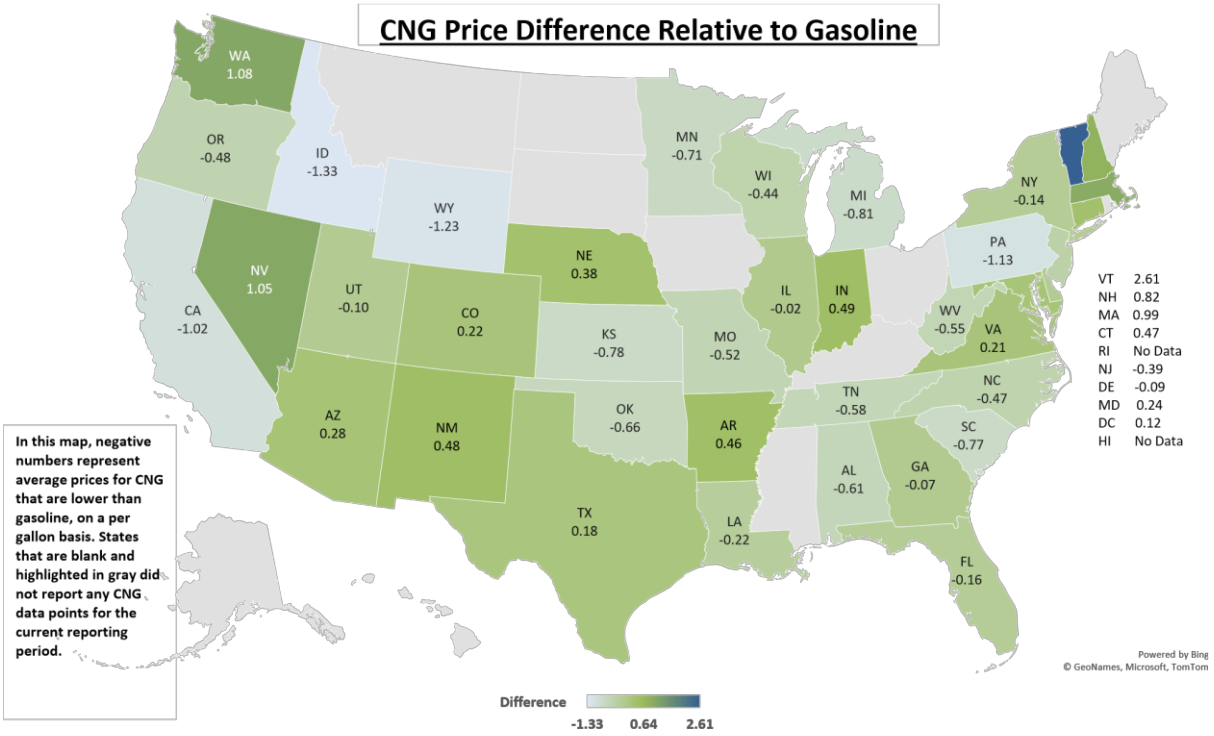


FIGURE 2
PRICE DIFFERENTIALS BY STATE FOR COMPRESSED NATURAL GAS (CNG) RELATIVE TO GASOLINE

Compressed Natural Gas (CNG) Relative to Gasoline, cont.

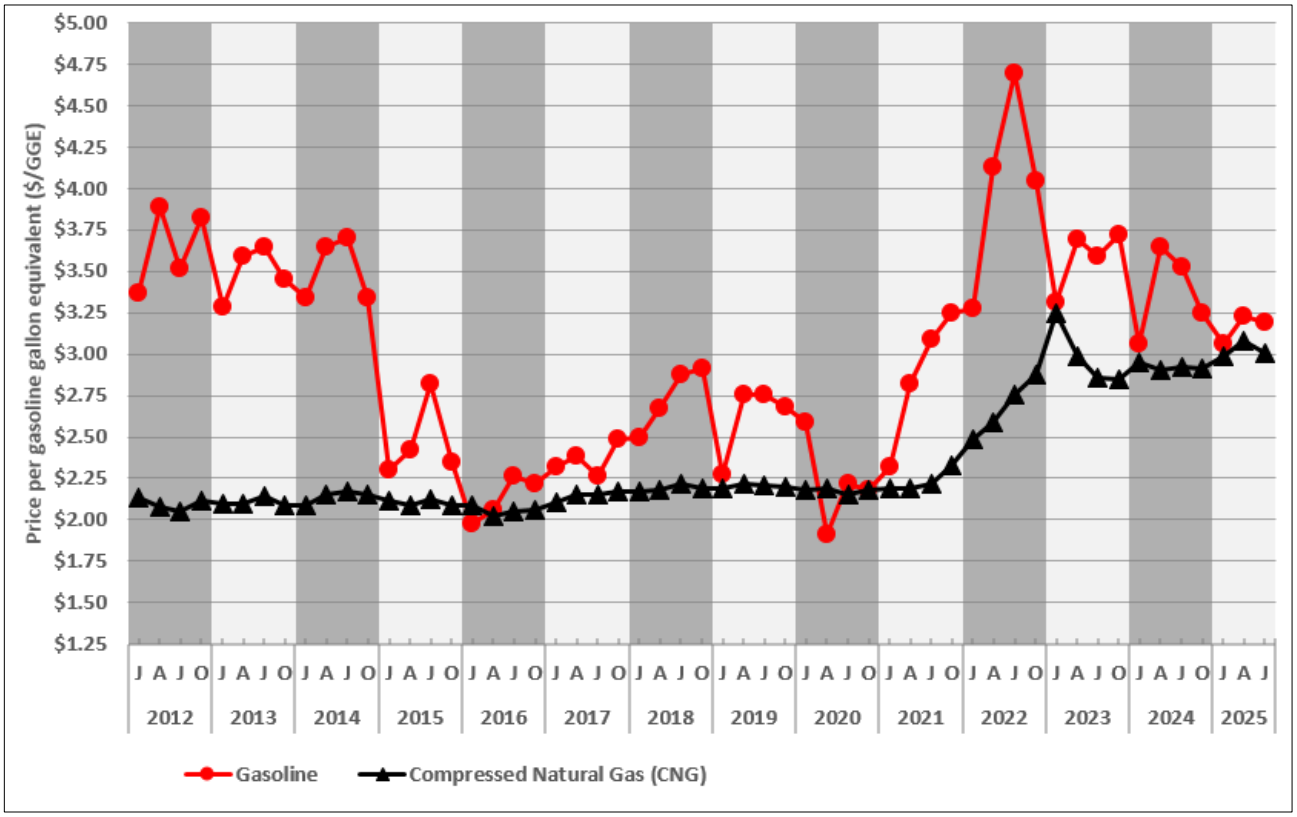


FIGURE 3
HISTORICAL COMPRESSED NATURAL GAS (CNG) PRICES VERSUS GASOLINE

Compressed Natural Gas (CNG) Relative to Diesel

TABLE 6 Compressed Natural Gas (CNG) and Diesel Average Retail Prices by Region			
Region	**CNG Prices ($/DGE*)**	**Diesel Prices ($/gal)**	**Price Difference****
New England	$4.46	$3.90	$0.56
Central Atlantic	$3.14	$3.62	-$0.48
Lower Atlantic	$3.03	$3.63	-$0.60
Midwest	$3.00	$3.67	-$0.67
Gulf Coast	$3.23	$3.16	$0.07
Rocky Mountain	$3.12	$3.39	-$0.27
West Coast	$4.03	$4.87	-$0.84
NATIONAL AVERAGE	**$3.40**	**$3.75**	**-$0.35**

*DGE = diesel gallon equivalent
** Negative numbers represent average CNG prices that are lower than diesel, on a $/DGE basis.



The prices shown in Table 6 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.

Table 6 shows the prices from Table 5, converted to $/diesel gallon equivalent ($/DGE) for easy comparison with diesel prices.

As with other fuels, the energy content of natural gas can vary. CNG dispensers are calibrated for local gas compositions and dispense an accurate GGE or DGE for the actual gas being sold.

On average, during this reporting period, CNG costs about $0.35 less than diesel on a per diesel gallon equivalent (DGE) basis.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

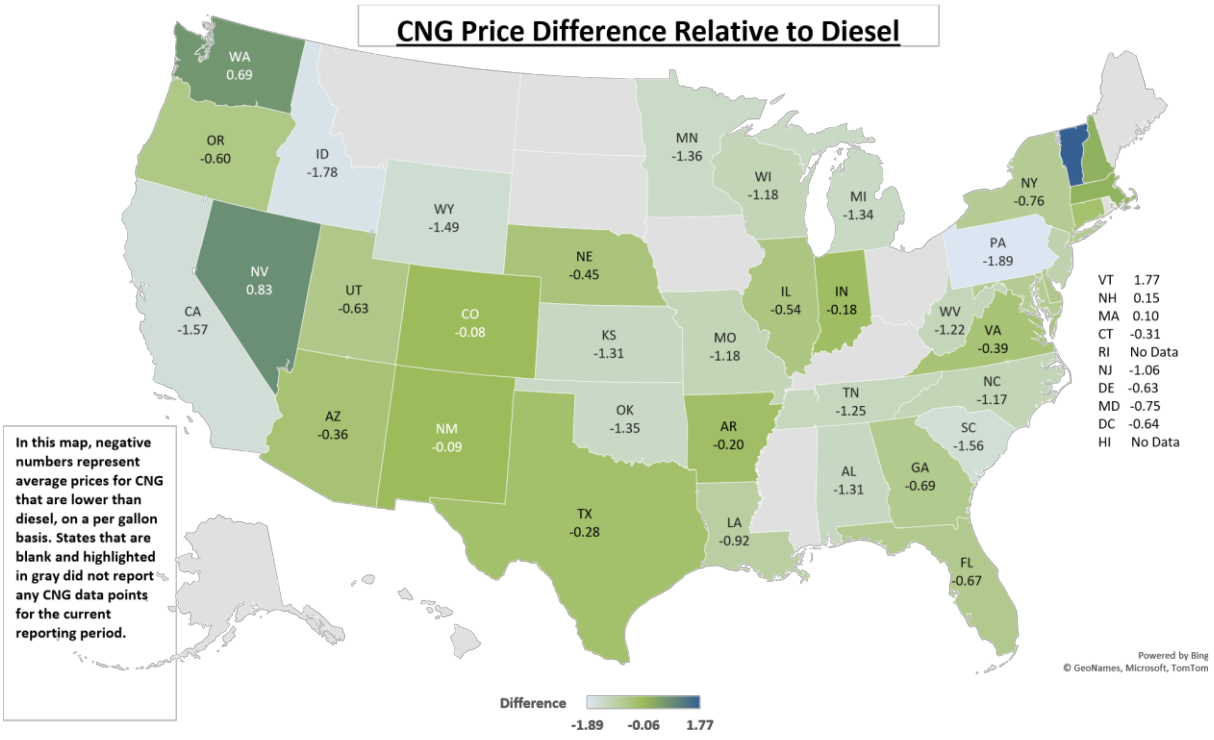


FIGURE 4
PRICE DIFFERENTIALS BY STATE FOR COMPRESSED NATURAL GAS (CNG) RELATIVE TO DIESEL

Compressed Natural Gas (CNG) Relative to Diesel, cont.

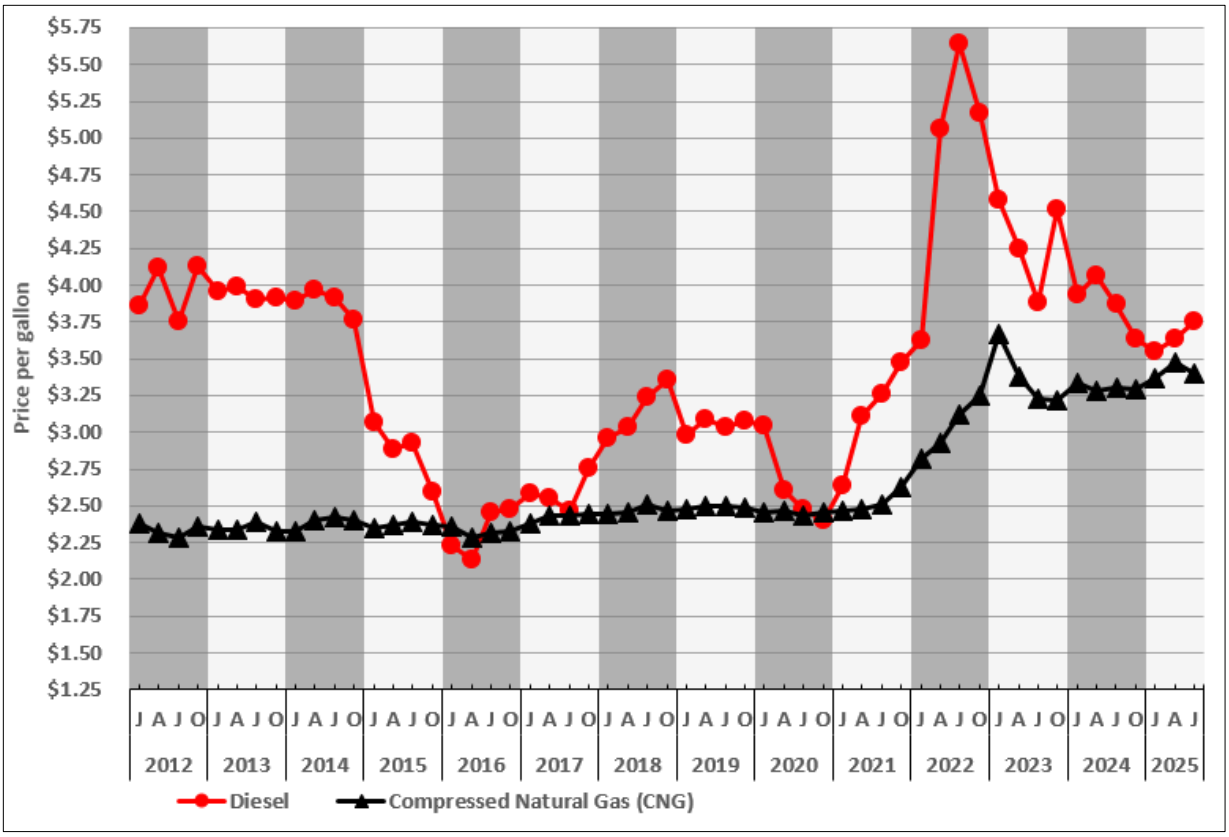


FIGURE 5
HISTORICAL COMPRESSED NATURAL GAS (CNG) PRICES VERSUS DIESEL

Liquefied Natural Gas (LNG) Relative to Diesel

TABLE 7 Liquefied Natural Gas (LNG) and Diesel Average Retail Prices by Region			
Region	**LNG Prices ($/DGE*)**	**Diesel Prices ($/gal)**	**Price Difference****
New England	---	$3.90	---
Central Atlantic	---	$3.62	---
Lower Atlantic	---	$3.63	---
Midwest	---	$3.67	---
Gulf Coast	$5.99	$3.16	$2.83
Rocky Mountain	---	$3.39	---
West Coast	$4.60	$4.87	-$0.27
NATIONAL AVERAGE	**$4.73**	**$3.75**	**$0.98**

*DGE = diesel gallon equivalent
** Negative numbers represent average LNG prices that are lower than diesel, on a $/DGE basis.

The prices shown in Table 7 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



LNG prices in Table 7 were obtained from the "price at the pump," given in $/diesel gallon equivalent (DGE), and averaged for each region.

As with other fuels, the energy content of natural gas can vary. LNG dispensers are calibrated for local gas compositions and dispense an accurate DGE for the actual gas being sold.

On average, during this reporting period, LNG costs about $0.98 more than diesel on a per diesel gallon equivalent (DGE) basis.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

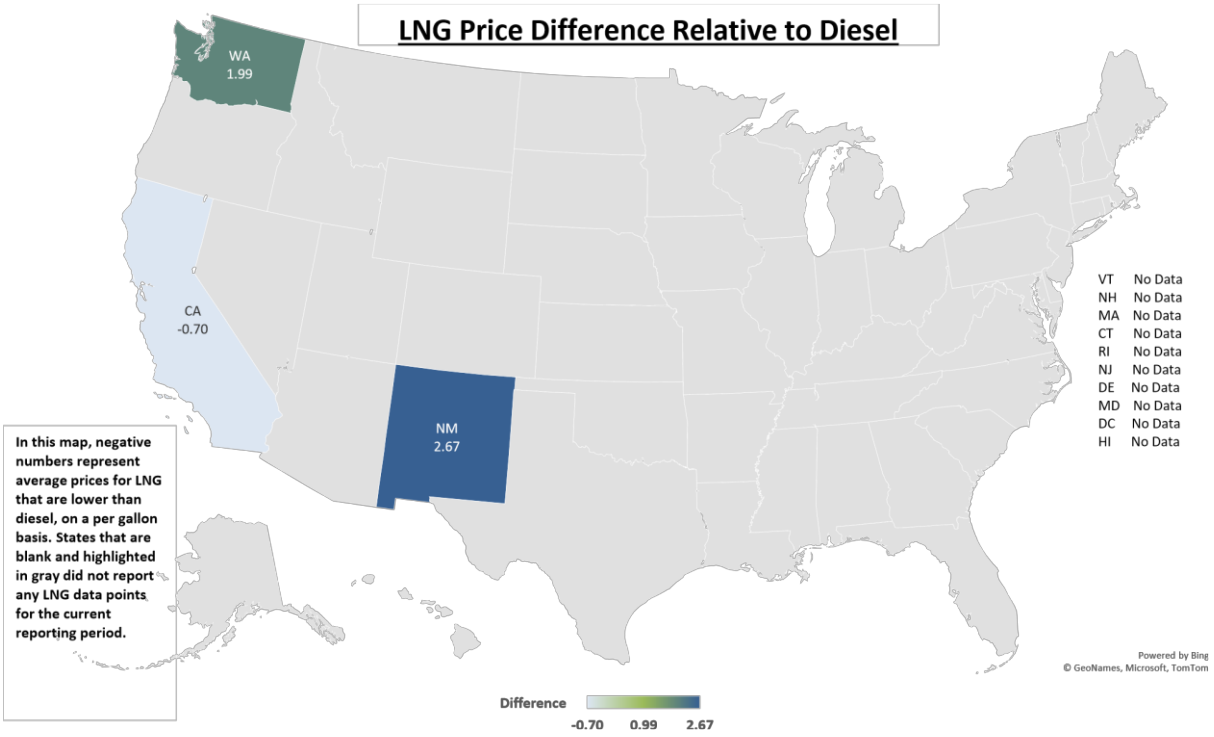


FIGURE 6
PRICE DIFFERENTIALS BY STATE FOR LIQUEFIED NATURAL GAS (LNG) RELATIVE TO DIESEL

Liquefied Natural Gas (LNG) Relative to Diesel, cont.

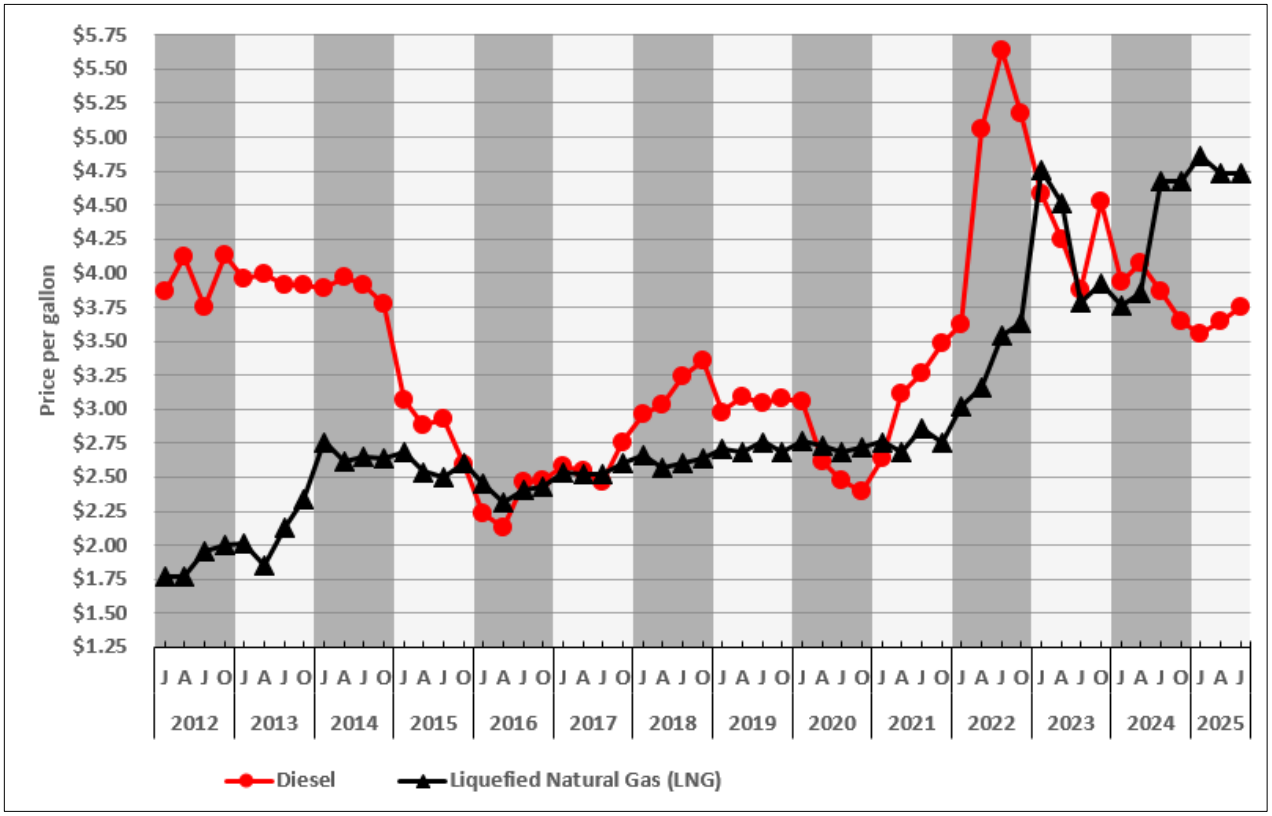


FIGURE 7
HISTORICAL LIQUEFIED NATURAL GAS (LNG) PRICES VERSUS DIESEL

NOTE: While LNG data had not been shown in a separate section in this report prior to the July 2016 issue, we do have a record of historical prices submitted by Clean Cities and Communities directors. We have, therefore, included Figure 7, showing historical LNG vs. Diesel prices, as well as Table 12d, comparing LNG prices submitted for this report and the prior report.

Ethanol (E85) Relative to Gasoline

TABLE 8 Ethanol (E85) and Gasoline Average Retail Prices by Region			
Region	**E85 Prices ($/gal)**	**Gasoline Prices ($/gal)**	**Price Difference***
New England	---	$3.12	---
Central Atlantic	$2.74	$2.99	-$0.25
Lower Atlantic	$2.68	$3.03	-$0.35
Midwest	$2.61	$3.01	-$0.40
Gulf Coast	$2.49	$2.70	-$0.21
Rocky Mountain	$2.64	$3.08	-$0.44
West Coast	$3.34	$4.41	-$1.07
NATIONAL AVERAGE	**$2.72**	**$3.19**	**-$0.47**

*Negative numbers represent average E85 prices that are lower than gasoline, on a $/gal basis.

The prices shown in Table 8 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



Most gasoline available throughout the United States today is a blend of 90% gasoline and up to 10% ethanol, or E10. Additionally, the E85 that is sold in the United States today actually contains, on average, approximately 70% ethanol.

E85 energy content for this report is therefore calculated as (.70)(E100 energy content) + (.30)(E0 energy content), to more closely reflect the actual energy content of E85 fuel available today.

On average, during this reporting period, E85 costs about $0.47 less than gasoline on a per (liquid) gallon basis. See page 27 for a $/GGE comparison.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

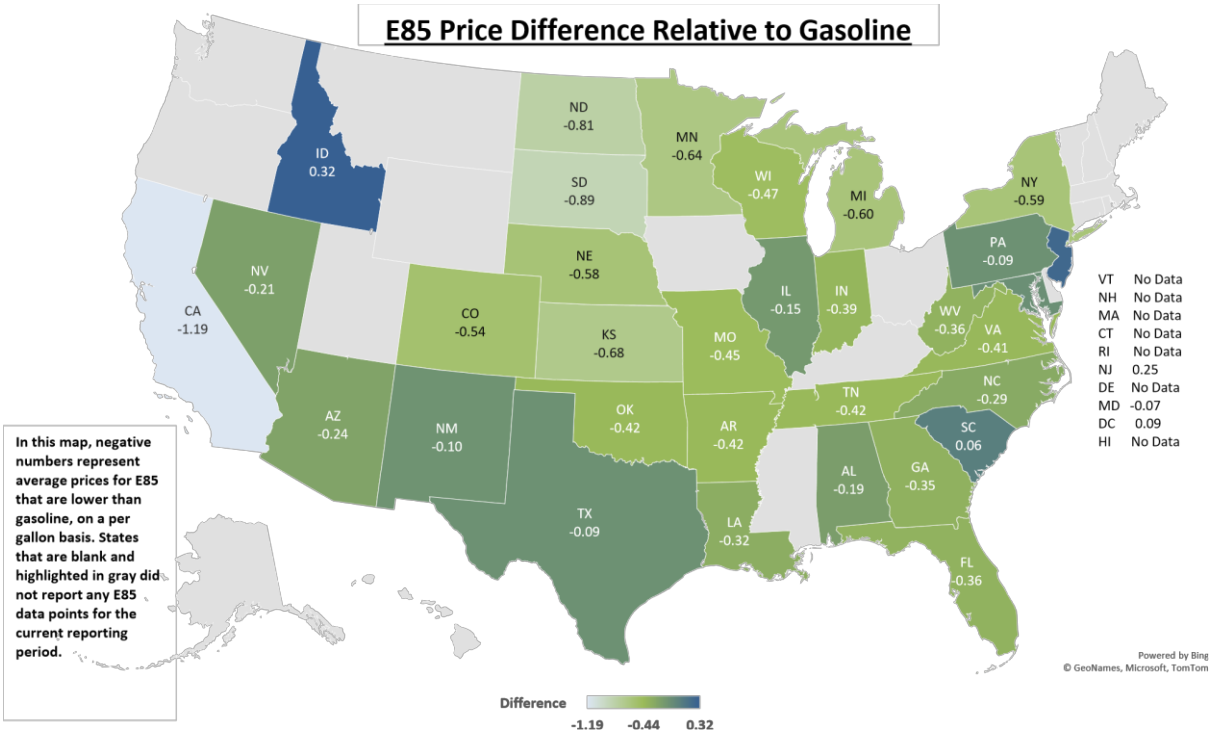


FIGURE 8
PRICE DIFFERENTIALS BY STATE FOR ETHANOL (E85) RELATIVE TO GASOLINE

Ethanol (E85) Relative to Gasoline, cont.

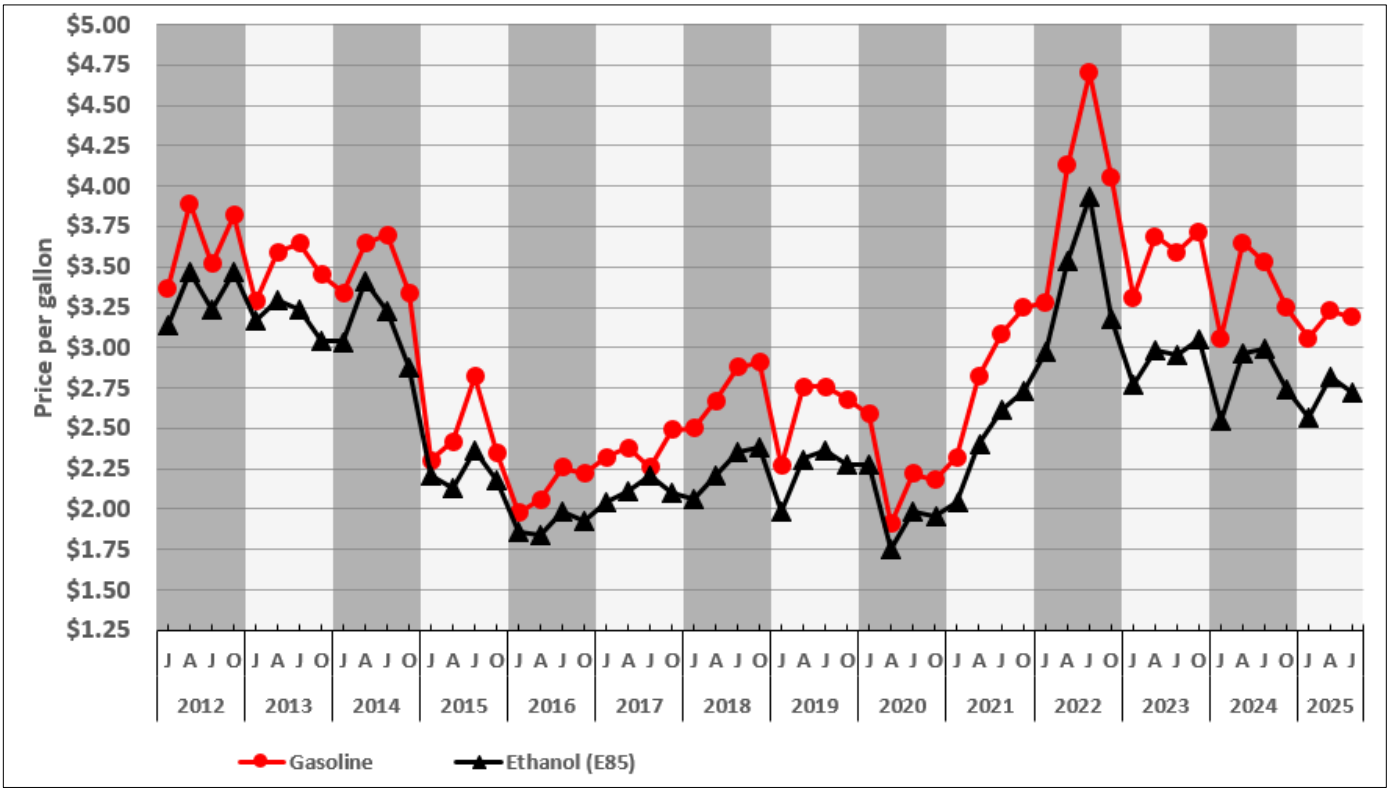


FIGURE 9
HISTORICAL ETHANOL (E85) PRICES VERSUS GASOLINE

Propane (LPG) Relative to Gasoline

TABLE 9 Propane (LPG) and Gasoline Average Retail Prices by Region			
Region	**LPG Prices ($/gal)**	**Gasoline Prices ($/gal)**	**Price Difference***
New England	$3.43	$3.12	$0.31
Central Atlantic	$2.94	$2.99	-$0.05
Lower Atlantic	$2.97	$3.03	-$0.06
Midwest	$3.14	$3.01	$0.13
Gulf Coast	$3.10	$2.70	$0.40
Rocky Mountain	$3.09	$3.08	$0.01
West Coast	$3.52	$4.41	-$0.89
NATIONAL AVERAGE	**$3.24**	**$3.19**	**$0.05**

*Negative numbers represent average propane prices that are lower than gasoline, on a $/gal basis.

The prices shown in Table 9 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



Propane prices in this report are from both private fleet refueling stations and public refueling sites that can provide propane for vehicles and for other uses.[7]

On average, during this reporting period, propane costs about $0.05 more than gasoline on a per (liquid) gallon basis. See page 27 for $/GGE.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

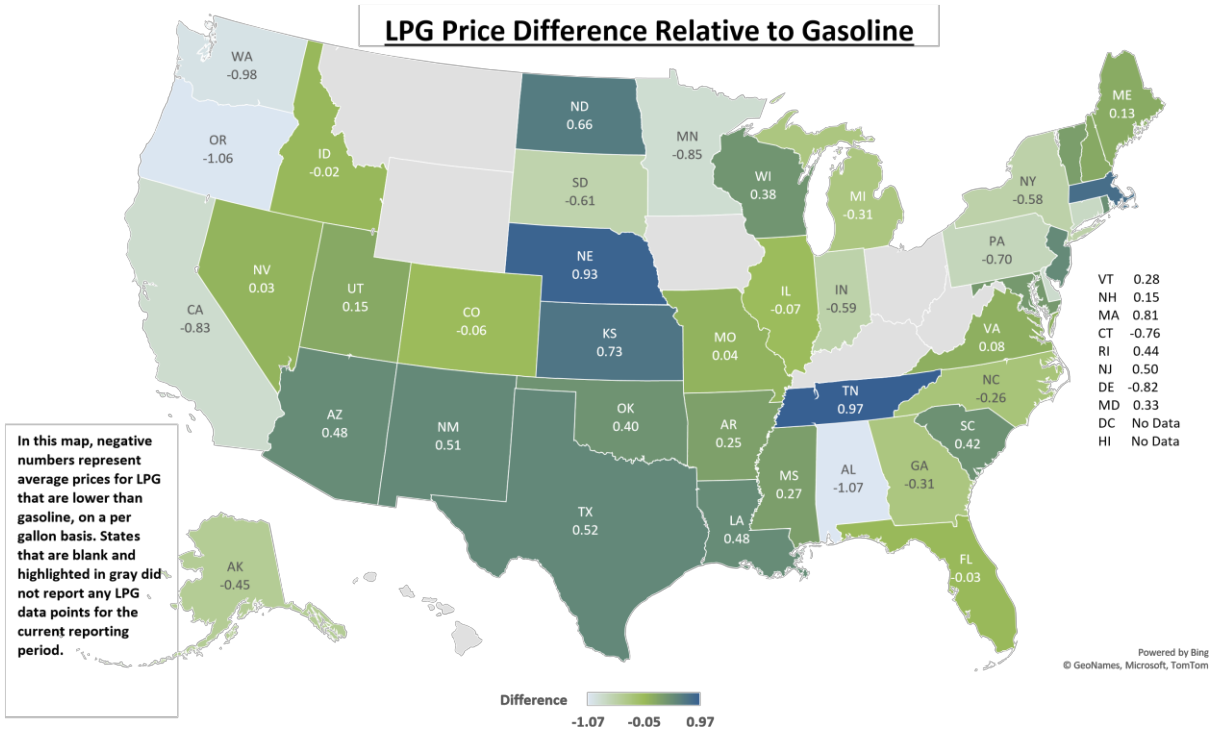


FIGURE 10
PRICE DIFFERENTIALS BY STATE FOR PROPANE (LPG) RELATIVE TO GASOLINE

[7] Because many propane retailers provide fuel for non-vehicle uses (camping stoves, gas grills, etc.), the National Renewable Energy Laboratory (NREL) has worked with suppliers to clarify the differences. On the Alternative Fuels Data Center Station Locator website (http://www.afdc.energy.gov/locator/stations/) each public propane station is designated as a "primary" or "secondary" service type. Both types are able to fuel vehicles; however, stations designated as "primary" have indicated they have facilities and billing procedures specifically designed for vehicle customers. They may also offer special vehicle pricing and most accept major credit cards, similar to traditional gasoline/diesel retailers. Propane pricing reported here reflects a sampling of both primary and secondary stations.

Propane (LPG) Relative to Gasoline, cont.

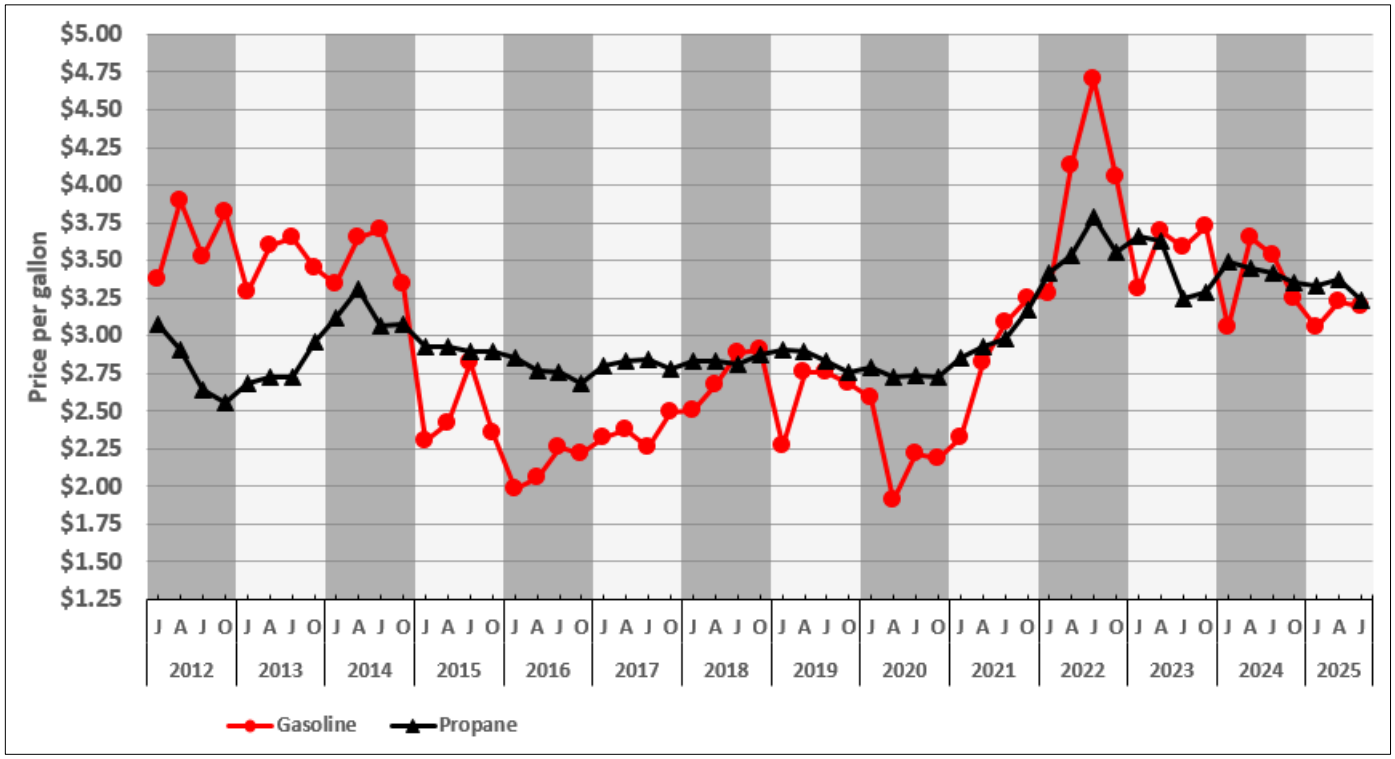


FIGURE 11
HISTORICAL PROPANE (LPG) PRICES VERSUS GASOLINE

Biodiesel Blends: Biodiesel (B20) Relative to Diesel

TABLE 10 Biodiesel (B20) and Diesel Average Retail Prices by Region			
Region	**B20 Prices ($/gal)**	**Diesel Prices ($/gal)**	**Price Difference***
New England	$3.42	$3.90	-$0.48
Central Atlantic	$3.52	$3.62	-$0.10
Lower Atlantic	---	$3.63	---
Midwest	$3.47	$3.67	-$0.20
Gulf Coast	$3.34	$3.16	$0.18
Rocky Mountain	---	$3.39	---
West Coast	$4.43	$4.87	-$0.44
NATIONAL AVERAGE	**$3.77**	**$3.75**	**$0.02**

*Negative numbers represent average B20 prices that are lower than diesel, on a $/gal basis.

The prices shown in Table 10 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



B20 is a blend of 20% biodiesel and 80% conventional diesel. B20 contains only about 2% less energy (Btus) per volume than 100% diesel. Conversion factors for calculating B20 prices on a GGE and DGE basis can be found on page 26.

On average, during this reporting period, B20 costs about $0.02 more than diesel on a per gallon basis.

Note: B20 prices, in many regions, track closely with diesel prices.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

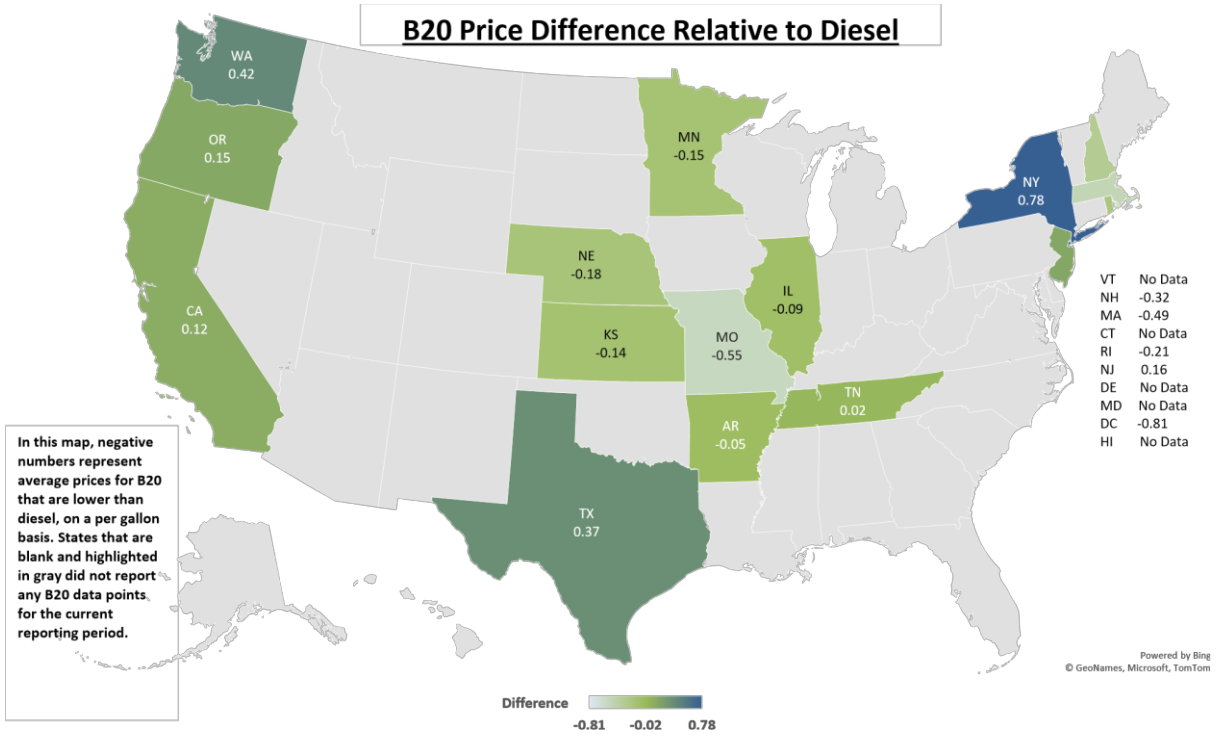


FIGURE 12
PRICE DIFFERENTIALS BY STATE FOR BIODIESEL (B20) RELATIVE TO DIESEL

Biodiesel Blends: B20 Relative to Diesel, cont.

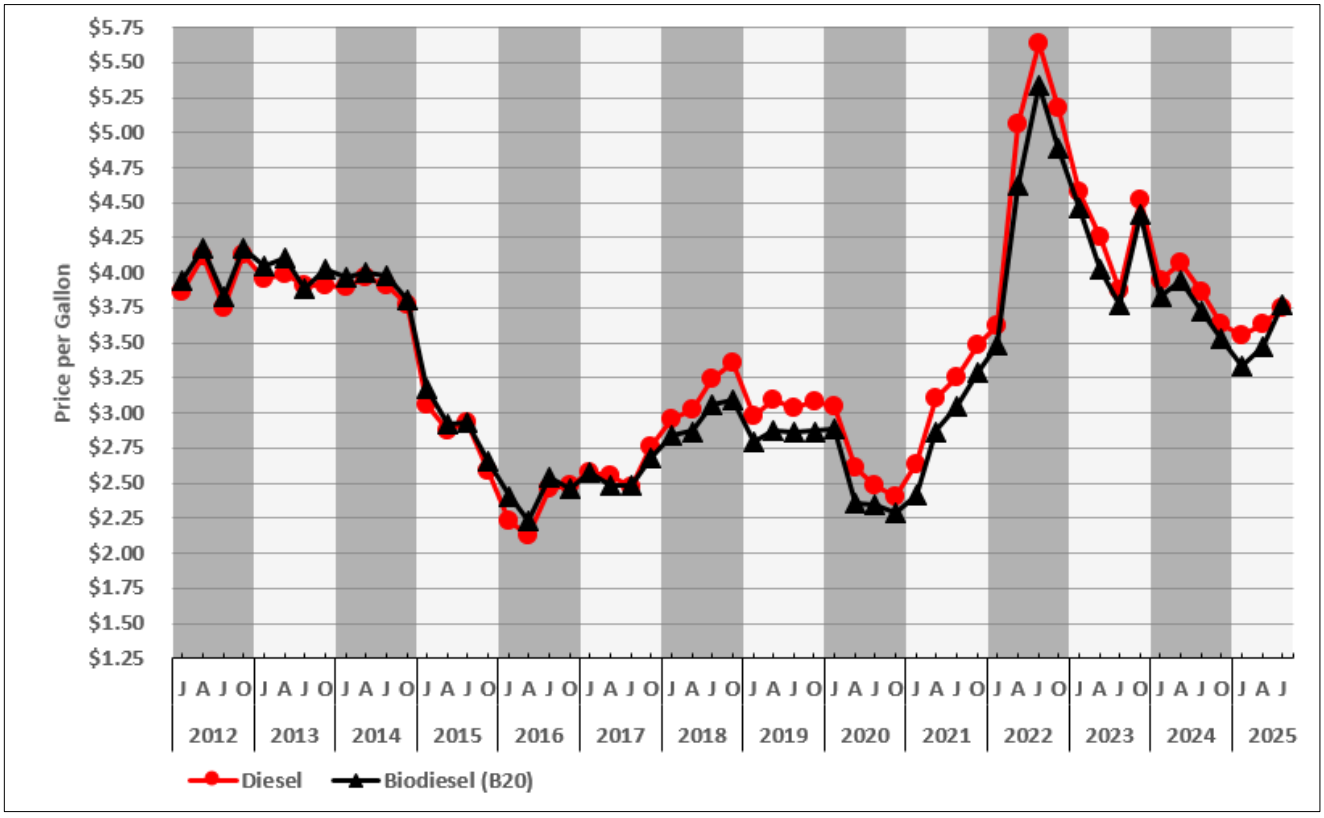


FIGURE 13
HISTORICAL BIODIESEL (B20) PRICES VERSUS DIESEL

Biodiesel Blends: Biodiesel (B99/B100) Relative to Diesel

TABLE 11 Biodiesel (B99/B100) and Diesel Average Retail Prices by Region			
Region	**B99/B100 Prices ($/gal)**	**Diesel Prices ($/gal)**	**Price Difference***
New England	$3.93	$3.90	$0.03
Central Atlantic	$2.88	$3.62	-$0.74
Lower Atlantic	---	$3.63	---
Midwest	---	$3.67	---
Gulf Coast	---	$3.16	---
Rocky Mountain	$4.03	$3.39	$0.64
West Coast	$4.67	$4.87	-$0.20
NATIONAL AVERAGE	**$3.99**	**$3.75**	**$0.24**

*Negative numbers represent average B99/B100 prices that are lower than diesel, on a $/gal

The prices shown in Table 11 were submitted by coalition directors on a voluntary basis between July 1 and July 15, 2025.



B100 contains about 10% less energy (Btus) per volume than 100% diesel.

Conversion factors for calculating B100 prices on a GGE and DGE basis can be found on page 26.

On average, during this reporting period, B99/B100 costs about $0.24 more than diesel on a per gallon basis.

Note: The AFPR is a snapshot in time of retail fuel prices. Alternative fuel fleets can obtain significantly lower fuel prices than those reported in the AFPR by entering into contracts directly with local fuel suppliers. Contract prices will vary, depending on fleet size and amount of fuel to be purchased, distance from the supplier, region of the country, and other factors.

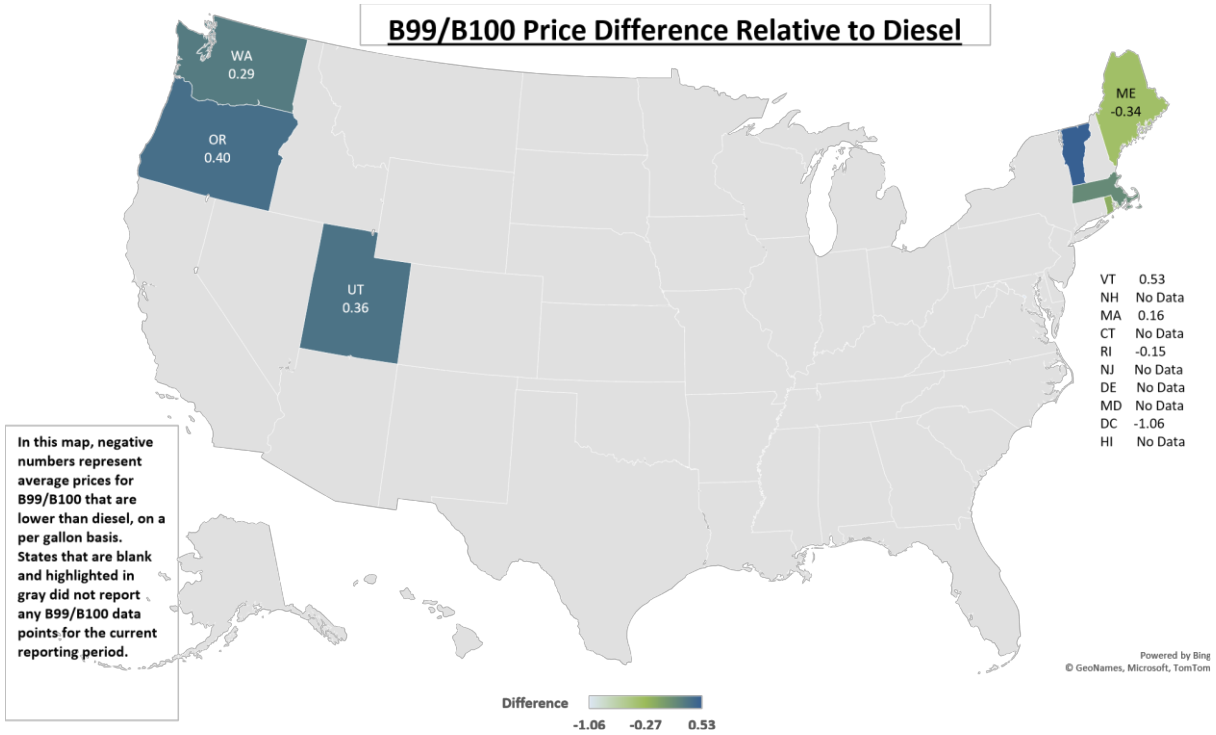


FIGURE 14
PRICE DIFFERENTIALS BY STATE FOR BIODIESEL (B99/B100) RELATIVE TO DIESEL

Biodiesel Blends: B99/B100 Relative to Diesel, cont.

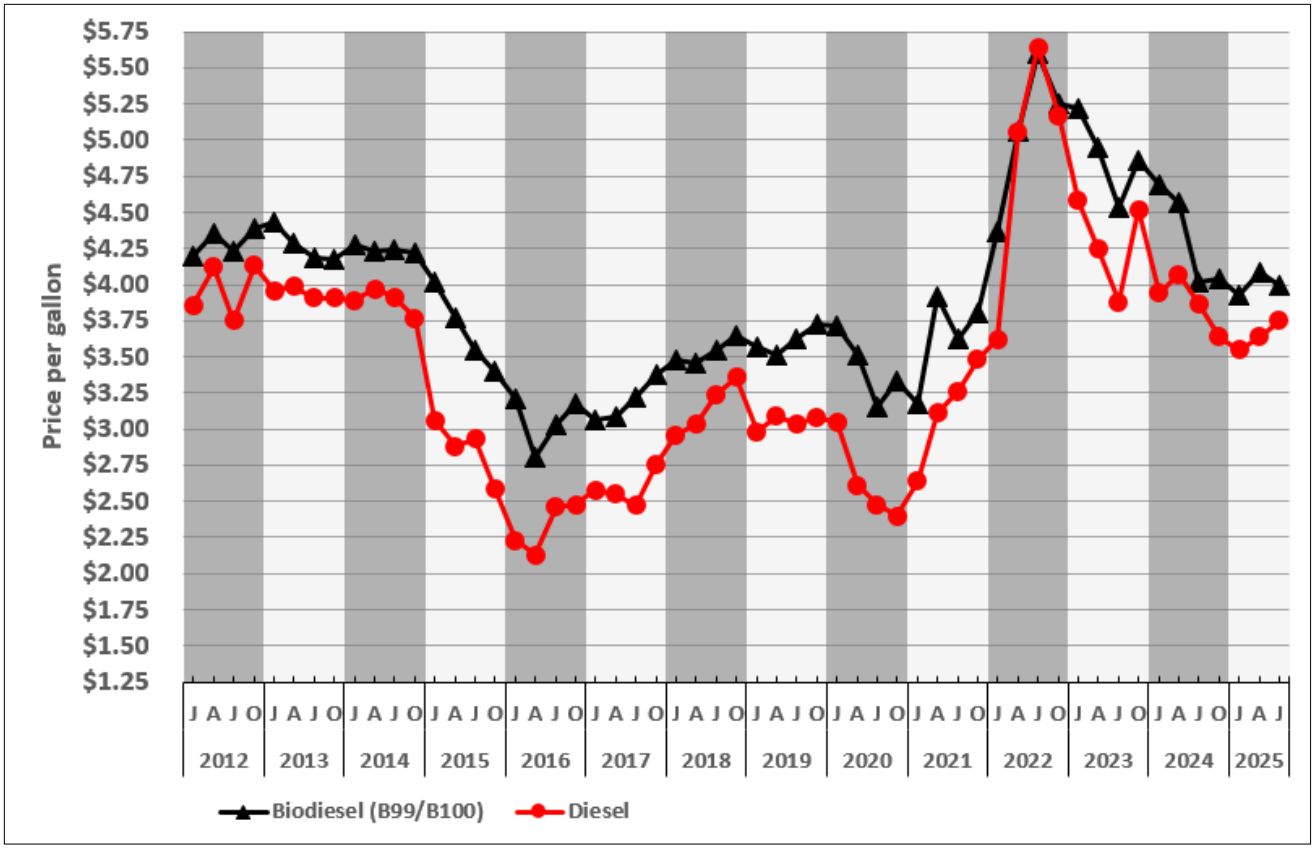


FIGURE 15
HISTORICAL BIODIESEL (B99/B100) PRICES VERSUS DIESEL

Renewable Diesel Relative to Diesel (California only)



Renewable diesel (RD) is a biomass-derived transportation fuel that is chemically similar to petroleum diesel and is suitable for use in conventional diesel engines. It meets the ASTM D975 specification in the United States. RD is produced through various processes such as hydrotreating, gasification, pyrolysis and other thermochemical and biochemical means, and can be made from lipids and cellulosic biomass (such as crop residues, woody biomass, and dedicated energy crops).*

Since January 2017, coalition directors have been recording and submitting prices for RD. From 2018 through July 2023, all the RD prices reported were from California (CA), so we have been showing RD prices compared to CA average diesel prices, rather than to national average diesel prices. For the July 2025 report, directors reported 110 RD prices from CA and one price each from Idaho, Montana and Wyoming. The average retail price for RD in CA for this report was $5.10/gallon, while the average retail diesel price in CA was $5.09/gallon. The three RD prices submitted by the other states were significantly lower than in CA, averaging $4.33/gallon, bringing the overall average price of RD in this report to $5.08/gallon.

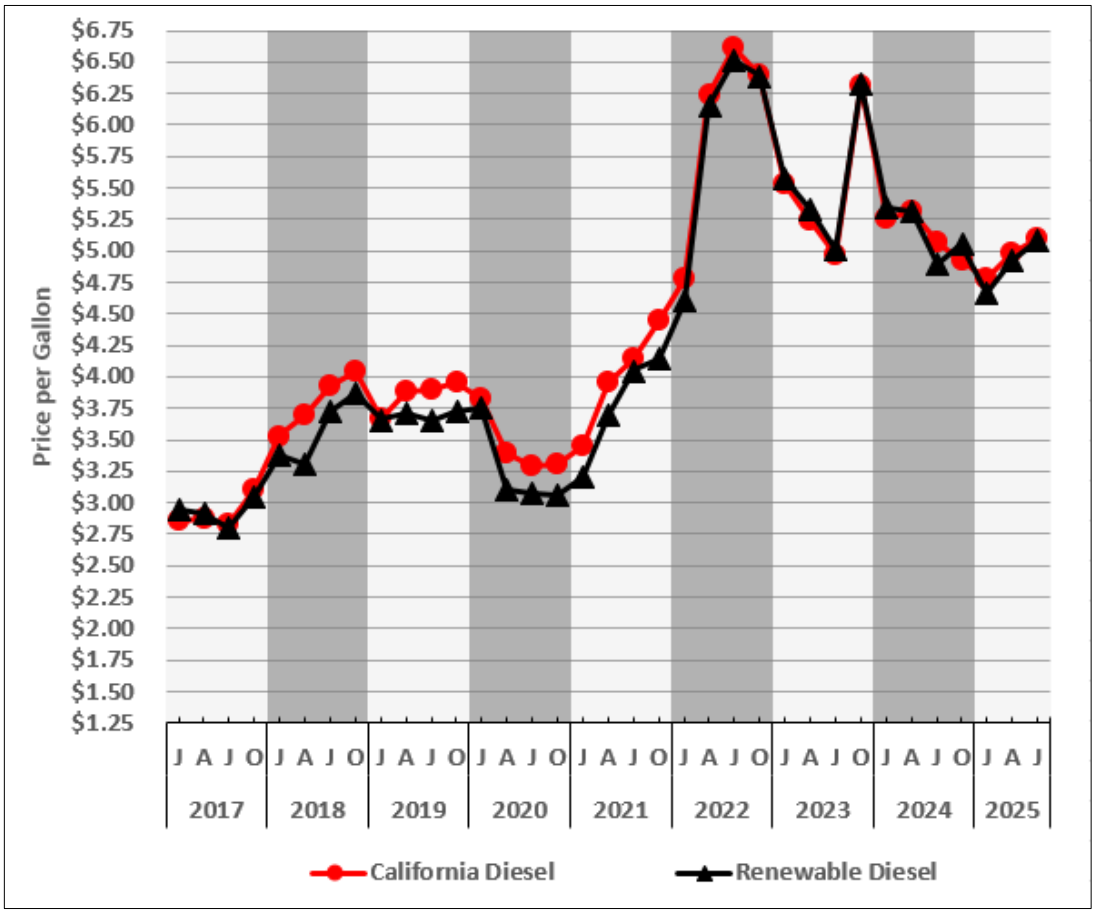


FIGURE 16
HISTORICAL RENEWABLE DIESEL PRICES VERSUS CALIFORNIA DIESEL

*National Renewable Energy Laboratory, https://afdc.energy.gov/fuels/emerging_hydrocarbon.html

Historical Alternative Fuel Prices from Previous Reports

The following graphs illustrate historical prices for the alternative fuels included in the Alternative Fuel Price Report from 2012 to the present, relative to gasoline and diesel. Compressed natural gas (in GGE), propane, and ethanol (E85) have been graphed against gasoline prices, while compressed natural gas (in DGE), liquefied natural gas (in DGE), and biodiesel blends (B20 and B99/B100) have been graphed against diesel prices.

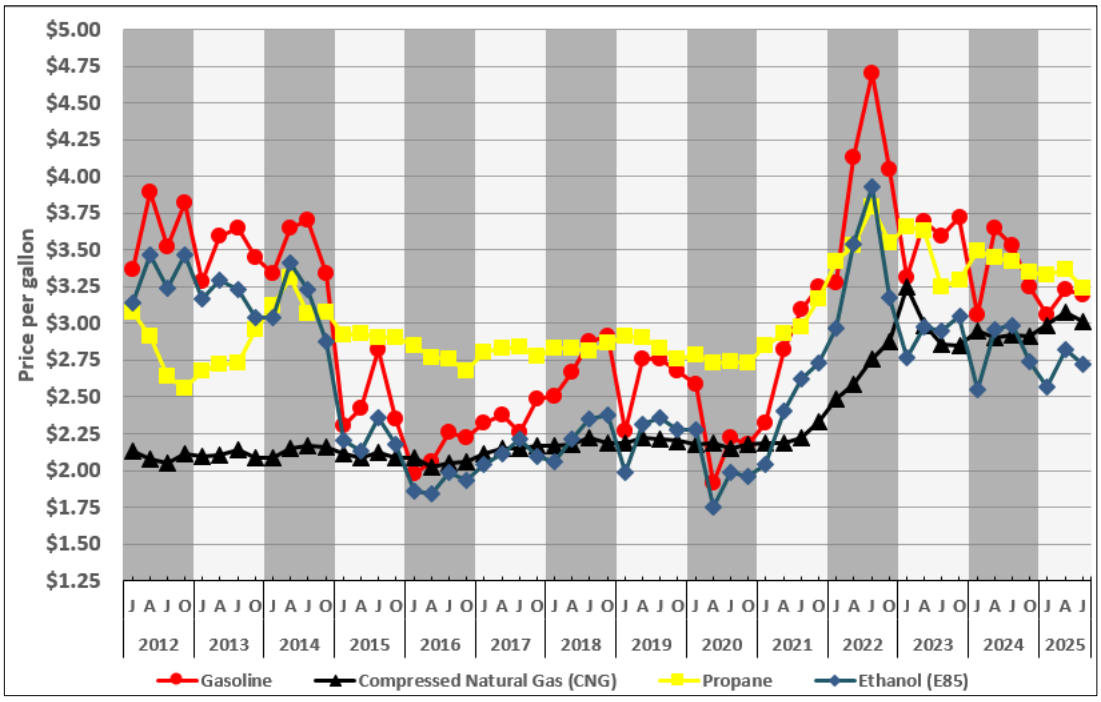


FIGURE 17
ALTERNATIVE FUEL PRICES VERSUS GASOLINE

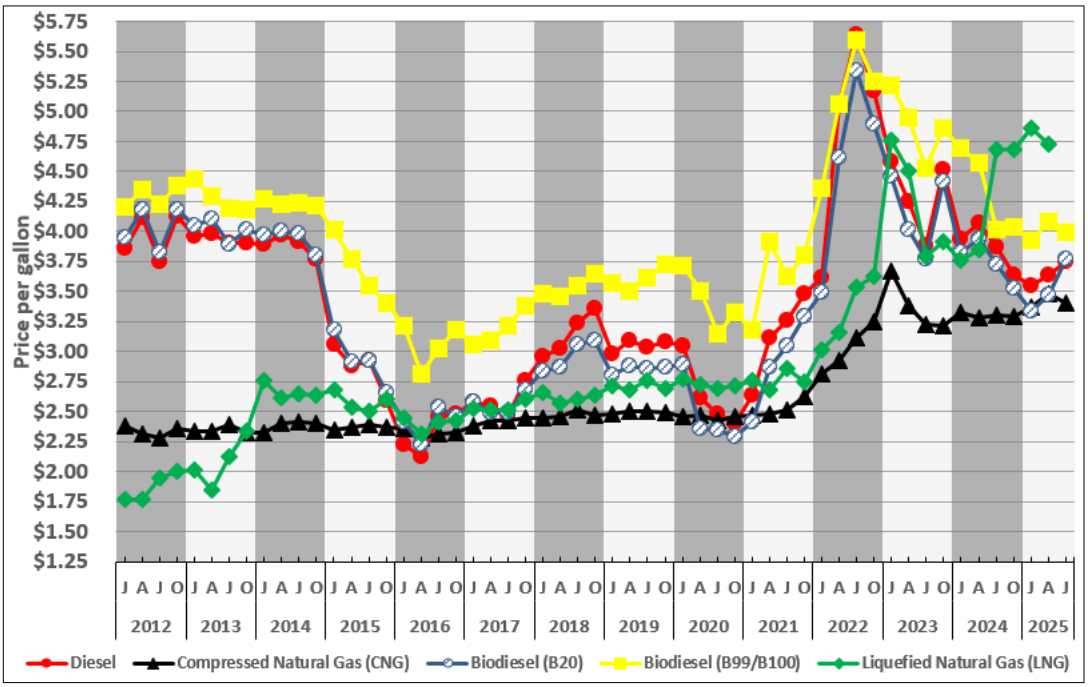


FIGURE 18
ALTERNATIVE FUEL PRICES VERSUS DIESEL

Comparison of Prices: This Report Versus Last Report

The following tables summarize the average retail prices submitted for this report by region and compare them to prices submitted for the April 2025 Alternative Fuel Price Report. It should be noted that a portion of the price changes may be attributed to differing sample sizes and locations between the two reports.

GASOLINE
($ per gallon)



TABLE 12a - Gasoline Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$3.04	$3.12	$0.08	2.63%
Central Atlantic	$2.94	$2.99	$0.05	1.70%
Lower Atlantic	$3.12	$3.03	-$0.09	-2.88%
Midwest	$3.00	$3.01	$0.01	0.33%
Gulf Coast	$2.75	$2.70	-$0.05	-1.82%
Rocky Mountain	$3.10	$3.08	-$0.02	-0.65%
West Coast	$4.70	$4.41	-$0.29	-6.17%
NATIONAL AVERAGE	**$3.23**	**$3.19**	**-$0.04**	**-1.24%**

DIESEL
($ per gallon)



TABLE 12b - Diesel Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$3.90	$3.90	$0.00	0.00%
Central Atlantic	$3.57	$3.62	$0.05	1.40%
Lower Atlantic	$3.60	$3.63	$0.03	0.83%
Midwest	$3.45	$3.67	$0.22	6.38%
Gulf Coast	$3.13	$3.16	$0.03	0.96%
Rocky Mountain	$3.39	$3.39	$0.00	0.00%
West Coast	$4.77	$4.87	$0.10	2.10%
NATIONAL AVERAGE	**$3.64**	**$3.75**	**$0.11**	**3.02%**

CNG
($ per GGE)



TABLE 12c - CNG Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$3.94	$3.94	$0.00	0.00%
Central Atlantic	$2.86	$2.78	-$0.08	-2.80%
Lower Atlantic	$2.84	$2.68	-$0.16	-5.63%
Midwest	$2.71	$2.66	-$0.05	-1.85%
Gulf Coast	$2.81	$2.86	$0.05	1.78%
Rocky Mountain	$2.77	$2.76	-$0.01	-0.36%
West Coast	$3.84	$3.57	-$0.27	-7.03%
NATIONAL AVERAGE	**$3.08**	**$3.01**	**-$0.07**	**-2.27%**

LNG
($ per DGE)



TABLE 12d - LNG Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	---	---	---	---
Central Atlantic	---	---	---	---
Lower Atlantic	---	---	---	---
Midwest	---	---	---	---
Gulf Coast	---	$5.99	---	---
Rocky Mountain	---	---	---	---
West Coast	$4.73	$4.60	-$0.13	-2.75%
NATIONAL AVERAGE	**$4.73**	**$4.73**	**$0.00**	**0.00%**

Comparison of Prices: This Report Versus Last Report, cont.

TABLE 12e - E85 Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	---	---	---	---
Central Atlantic	$2.88	$2.74	-$0.14	-4.86%
Lower Atlantic	$2.89	$2.68	-$0.21	-7.27%
Midwest	$2.59	$2.61	$0.02	0.77%
Gulf Coast	$2.48	$2.49	$0.01	0.40%
Rocky Mountain	$2.62	$2.64	$0.02	0.76%
West Coast	$3.67	$3.34	-$0.33	-8.99%
NATIONAL AVERAGE	**$2.82**	**$2.72**	**-$0.10**	**-3.55%**

ETHANOL
(E85)
($ per gallon)

PROPANE
($ per gallon)

LPG

TABLE 12f - Propane Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$3.45	$3.43	-$0.02	-0.58%
Central Atlantic	$3.16	$2.94	-$0.22	-6.96%
Lower Atlantic	$3.16	$2.97	-$0.19	-6.01%
Midwest	$3.45	$3.14	-$0.31	-8.99%
Gulf Coast	$3.15	$3.10	-$0.05	-1.59%
Rocky Mountain	$3.22	$3.09	-$0.13	-4.04%
West Coast	$3.65	$3.52	-$0.13	-3.56%
NATIONAL AVERAGE	**$3.37**	**$3.24**	**-$0.13**	**-3.86%**

TABLE 12g - B20 Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$3.37	$3.42	$0.05	1.48%
Central Atlantic	$3.46	$3.52	$0.06	1.73%
Lower Atlantic	$2.91	---	---	---
Midwest	$3.37	$3.47	$0.10	2.97%
Gulf Coast	$3.22	$3.34	$0.12	3.73%
Rocky Mountain	$3.34	---	---	---
West Coast	$3.88	$4.43	$0.55	14.18%
NATIONAL AVERAGE	**$3.47**	**$3.77**	**$0.30**	**8.65%**

BIODIESEL
B20
($ per gallon)

BIODIESEL
B99/B100
($ per gallon)

TABLE 12h - B99/B100 Prices				
Region	April 2025	July 2025	Difference in $	Difference in %
New England	$4.00	$3.93	-$0.07	-1.75%
Central Atlantic	$3.12	$2.88	-$0.24	-7.69%
Lower Atlantic	$4.00	---	---	---
Midwest	---	---	---	---
Gulf Coast	---	---	---	---
Rocky Mountain	$3.39	$4.03	$0.64	18.88%
West Coast	$4.86	$4.67	-$0.19	-3.91%
NATIONAL AVERAGE	**$4.08**	**$3.99**	**-$0.09**	**-2.21%**

Comparison of Prices by Region for Public & Private Refueling Stations

The tables below summarize average retail fuel prices contained in this report, sorted by type of refueling station, i.e., "private" or "public." The stations classified as "public" are open to the general public. The majority of the stations classified as "private" are operated by state or local government agencies, transit agencies, utility districts, colleges or universities, or military facilities. They serve the host agency's fleets and may have contractual or other arrangements in place to sell fuel to other government agencies and/or selected other fleets. In some cases, contracts may include billing, accounting, or fleet service management fees that are rolled into the price of the fuel.

For this report, there were 4,286 prices submitted from "public" refueling stations, and 200 prices submitted from "private" refueling stations, for a total of 4,486 prices. This includes a small number of data points that were submitted for alternative fuel blends that are not widely used, such as E0–E50, B5, B10, B50, hydrogen and renewable diesel.

As with the other prices in this report, these prices include state and federal taxes, as described in the Methodology section of this document.

TABLE 13a - Gasoline
Average Retail Price by Refueling Station Type ($/gal)

Region	Private	Public
New England	$2.80	$3.12
Central Atlantic	$3.29	$2.98
Lower Atlantic	$2.72	$3.03
Midwest	$2.95	$3.01
Gulf Coast	---	$2.70
Rocky Mountain	---	$3.08
West Coast	$4.44	$4.41
NATIONAL AVERAGE	**$3.80**	**$3.17**

TABLE 13b - Diesel
Average Retail Price by Refueling Station Type ($/gal)

Region	Private	Public
New England	$3.19	$3.91
Central Atlantic	$2.91	$3.67
Lower Atlantic	$3.65	$3.63
Midwest	$3.62	$3.67
Gulf Coast	---	$3.16
Rocky Mountain	$3.79	$3.39
West Coast	$5.16	$4.85
NATIONAL AVERAGE	**$4.13**	**$3.74**

TABLE 13c - Natural Gas (CNG)
Average Retail Price by Refueling Station Type ($/GGE)

Region	Private	Public
New England	$3.18	$3.99
Central Atlantic	$2.39	$2.90
Lower Atlantic	$2.49	$2.71
Midwest	$2.84	$2.63
Gulf Coast	$3.11	$2.84
Rocky Mountain	$2.36	$2.82
West Coast	$2.34	$3.75
NATIONAL AVERAGE	**$2.58**	**$3.07**

TABLE 13d - Liquefied Natural Gas (LNG)
Average Retail Price by Refueling Station Type ($/DGE)

Region	Private	Public
New England	---	---
Central Atlantic	---	---
Lower Atlantic	---	---
Midwest	---	---
Gulf Coast	---	$5.99
Rocky Mountain	---	---
West Coast	$3.55	$5.65
NATIONAL AVERAGE	**$3.55**	**$5.70**

---indicates no data points were submitted for this region.

Comparison of Prices by Region for Public & Private Refueling Stations, cont.

TABLE 13e - Ethanol (E85) Average Retail Price by Refueling Station Type ($/gal)		
Region	**Private**	**Public**
New England	---	---
Central Atlantic	$3.05	$2.68
Lower Atlantic	$2.99	$2.68
Midwest	$2.59	$2.61
Gulf Coast	$3.22	$2.48
Rocky Mountain	---	$2.64
West Coast	$4.62	$3.29
NATIONAL AVERAGE	**$3.08**	**$2.71**

TABLE 13f - Propane Average Retail Price by Refueling Station Type ($/gal)		
Region	**Private**	**Public**
New England	$1.69	$3.46
Central Atlantic	$1.78	$3.36
Lower Atlantic	$1.62	$2.98
Midwest	$1.92	$3.16
Gulf Coast	$1.69	$3.18
Rocky Mountain	---	$3.09
West Coast	$2.83	$3.54
NATIONAL AVERAGE	**$1.99**	**$3.30**

TABLE 13g - Biodiesel (B99/B100) Average Retail Price by Refueling Station Type ($/gal)		
Region	**Private**	**Public**
New England	$3.00	$3.73
Central Atlantic	$3.30	$4.01
Lower Atlantic	---	---
Midwest	$2.79	$3.51
Gulf Coast	---	$3.34
Rocky Mountain	---	---
West Coast	---	$4.43
NATIONAL AVERAGE	**$3.16**	**$3.84**

TABLE 13h - Biodiesel (B20) Average Retail Price by Refueling Station Type ($/gal)		
Region	**Private**	**Public**
New England	---	$3.93
Central Atlantic	$2.88	---
Lower Atlantic	---	---
Midwest	---	---
Gulf Coast	---	---
Rocky Mountain	---	$4.03
West Coast	---	$4.67
NATIONAL AVERAGE	**$2.88**	**$4.15**

--- indicates no data points were submitted for this region.

Illustration of Conversion Factors for Fuels

TABLE 14 Lower Heating Values	
Fuel	**Lower Heating Value**
Gasoline (E0)	115,400 BTU/gal
Gasoline (E10)[9]	114,300 BTU/gal
Diesel	128,700 BTU/gal
Biodiesel (B100)	117,100 BTU/gal
Compressed Natural Gas (CNG)[10]	114,300 BTU/GGE
Ethanol (E100)	75,700 BTU/gal
Propane	83,500 BTU/gal

Conversion factors used to establish prices in dollars per gasoline gallon equivalent ($/GGE) and dollars per diesel gallon equivalent ($/DGE) were developed using the lower heating values from the Transportation Energy Data Book Edition 37, Table B.4,[8] and are listed to the left.

In the case of CNG, prices are provided to us in GGE, so no conversion is necessary. The representative heating value of CNG is provided in Table 14 as a reference.

Conversion to GGE

The conversion factor used to convert the price of an alternative fuel from $/gallon to $/GGE is determined as follows:

$$\text{Conversion factor} = \frac{\text{BTU/gal of gasoline (E10)}}{\text{BTU/gal of alternative fuel}}$$

To calculate the price of an alternative fuel in $/GGE, multiply the price per gallon of the alternative fuel by the relevant conversion factor from Table 15. For example, if the price of B20 is $3.00/gal, the $/GGE is ($3.00/gal) x .90 = $2.70/gal.

TABLE 15 Conversion Factors: $/gal to $/GGE	
Fuel	**Conversion Factor**
Biodiesel (B20)	0.90
Biodiesel (B100)	0.98
CNG	1.00
Ethanol (E85)[11]	1.30
LNG	0.89
Propane	1.37

Conversion to DGE

The conversion factor used to convert the price of an alternative fuel from $/gallon to $/DGE is determined as follows:

$$\text{Conversion factor} = \frac{\text{BTU/gal of diesel}}{\text{BTU/gal of alternative fuel}}$$

For example, the conversion factor used to convert a B100 price from $/gal to $/DGE is determined as follows:

$$\frac{\text{128,700 BTU/gal of diesel}}{\text{117,100 BTU/gal of B100}} = 1.099, \text{ rounded to } 1.10$$

To calculate the price of an alternative fuel in $/DGE, multiply the price per gallon of the alternative fuel by the relevant conversion factor from Table 16. For example, if the price of B100 is given as $3.00/gal, the $/DGE is ($3.00/gal) x 1.10 = $3.30/DGE.

TABLE 16 Conversion Factors: $/gal to $/DGE	
Fuel	**Conversion Factor**
Biodiesel (B20)	1.02
Biodiesel (B100)	1.10
CNG	1.13
Ethanol (E85)[12]	1.47
LNG[13]	1.00
Propane	1.54

[8] https://tedb.ornl.gov/

[9] According to the National Renewable Energy Laboratory Alternative Fuels Data Center, the energy content of common gasoline baseline references (E0, E10, and indolene) varies between 112,114 and 116,090 Btu/gal. We chose 114,300 Btu/gal for the E10 energy content, consistent with the Transportation Energy Data Book energy content of CNG, in GGEs. See next footnote.

[10] (5.66 lbs. of CNG/GGE) x (20,200 Btu/lb.) = 114,332; rounded to 114,300.

[11] Most gasoline available throughout the United States today is a blend of 90% gasoline and up to 10% ethanol, or E10. Additionally, the E85 that is sold in the United States today actually contains, on average, approximately 70% ethanol. E85 energy content for this report is therefore calculated as [(.70) x (E100 energy content)] + [(.30) x (E0 energy content)], to more closely reflect the actual energy content of E85 fuel available today.

[12] See footnote 11, above.

[13] In July 2016, at its annual meeting, the National Conference of Weights and Measures voted to approve the diesel gallon equivalent (DGE) as an authorized method of measuring natural gas sold as a vehicle fuel. 1 DGE means 6.059 lbs. of liquefied natural gas (LNG) or 6.384 lbs. of compressed natural gas (CNG).

Comparison of Prices on an Energy-Equivalent Basis

The following tables compare prices for E85, propane, B20, and B99/B100 to conventional fuels (gasoline and diesel) on an energy-equivalent basis. (Natural gas is generally sold in gasoline gallon equivalents or diesel gallon equivalents, so the natural gas "price at the pump" can be directly compared to the price of the corresponding conventional fuel, as shown in Tables 5, 6, and 7.)

TABLE 17a
Ethanol (E85) and Gasoline
Average Retail Prices by Region (GGE)

Region	E85 Prices ($/GGE)	Gasoline Prices ($/gal)	Price Difference*
New England	---	$3.12	---
Central Atlantic	$3.56	$2.99	$0.57
Lower Atlantic	$3.48	$3.03	$0.45
Midwest	$3.39	$3.01	$0.38
Gulf Coast	$3.24	$2.70	$0.54
Rocky Mountain	$3.43	$3.08	$0.35
West Coast	$4.34	$4.41	-$0.07
NATIONAL AVERAGE	**$3.54**	**$3.19**	**$0.35**

*Negative numbers represent average E85 prices that are lower than gasoline, on a $/GGE basis.

TABLE 17b
Propane (LPG) and Gasoline
Average Retail Prices by Region (GGE)

Region	LPG Prices ($/GGE)	Gasoline Prices ($/gal)	Price Difference*
New England	$4.70	$3.12	$1.58
Central Atlantic	$4.03	$2.99	$1.04
Lower Atlantic	$4.07	$3.03	$1.04
Midwest	$4.30	$3.01	$1.29
Gulf Coast	$4.25	$2.70	$1.55
Rocky Mountain	$4.23	$3.08	$1.15
West Coast	$4.82	$4.41	$0.41
NATIONAL AVERAGE	**$4.44**	**$3.19**	**$1.25**

*Negative numbers represent average propane prices that are lower than gasoline, on a $/GGE basis.

TABLE 17c
Biodiesel (B20) and Diesel
Average Retail Prices by Region

Region	B20 Prices ($/DGE)	Diesel Prices ($/gal)	Price Difference*
New England	$3.49	$3.90	-$0.41
Central Atlantic	$3.59	$3.62	-$0.03
Lower Atlantic	---	$3.63	---
Midwest	$3.54	$3.67	-$0.13
Gulf Coast	$3.41	$3.16	$0.25
Rocky Mountain	---	$3.39	---
West Coast	$4.52	$4.87	-$0.35
NATIONAL AVERAGE	**$3.85**	**$3.75**	**$0.10**

*Negative numbers represent average B20 prices that are lower than diesel, on a $/DGE basis.

TABLE 17d
Biodiesel (B99/B100) and Diesel
Average Retail Prices by Region (DGE)

Region	B99/B100 Prices ($/DGE)	Diesel Prices ($/gal)	Price Difference*
New England	$4.32	$3.90	$0.42
Central Atlantic	$3.17	$3.62	-$0.45
Lower Atlantic	---	$3.63	---
Midwest	---	$3.67	---
Gulf Coast	---	$3.16	---
Rocky Mountain	$4.43	$3.39	$1.04
West Coast	$5.14	$4.87	$0.27
NATIONAL AVERAGE	**$4.39**	**$3.75**	**$0.64**

*Negative numbers represent average B99/B100 prices that are lower than diesel, on a $/DGE basis.

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Would You Like to Participate?

If you would like to provide prices for alternative fuels in your region and be part of the data collection effort for this report, or if you have any questions, please contact:

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