



*Trends in Alternative Fuel
Vehicles*



September 2017

1. U.S. NEWS
BEST CARS

2. NEW AND
USED CARS

3. AWARDS

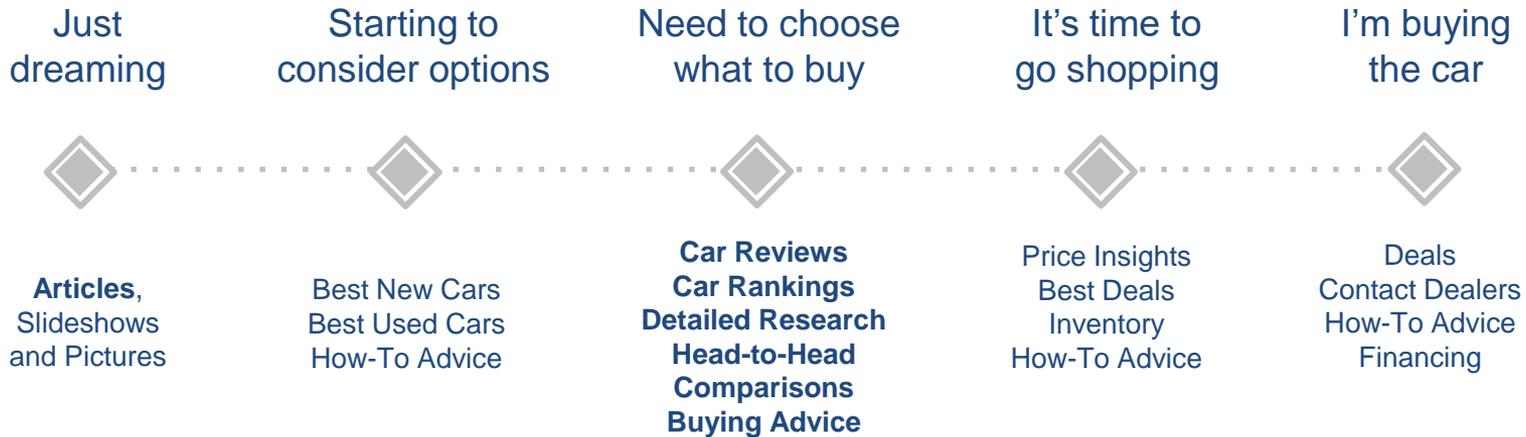
4. ADVICE

5. WHAT WE
SEE

Our mission

We help people confidently choose and purchase the right car for their needs.

Buying a car is a journey. We help along the way.



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Who We Are Informs What We Do

» **We're consumer advocates.**

Not gear heads.

» **We're unbiased.**

Our rankings are continually updated and based on the consensus opinion of experts + safety, reliability scores.

» **We focus on quality.**

We use the best practices of journalism to help consumers make smart choices

» **We're trusted.**

Over three-quarters of users say U.S. News recommendations influence their decision on which car to buy.

83

YEAR-OLD BRAND
TRUSTED FOR MAJOR
LIFE DECISIONS

2,000+

CAR REVIEWS
PUBLISHED IN PAST 9
YEARS

76%

OF USERS INFLUENCED
BY OUR CAR
RECOMMENDATIONS

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New car rankings and reviews

1. U.S. NEWS
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The screenshot displays the U.S. News Best SUVs website. At the top, there are tabs for 'New Cars' and 'Used Cars'. Below this, the 'Best SUV Rankings' section provides an overview and navigation options for different vehicle types: Cars, Trucks, SUVs, Vans, and Hybrids. The main content area is divided into several sections:

- Compact SUVs:** Lists the 2016 Honda CR-V as the #1 choice, followed by the 2017 Ford Escape and the 2016 Hyundai Tucson.
- Subcompact SUVs:** Lists the 2016 Mazda CX-3 as the #1 choice, followed by the 2016 Honda HR-V and the 2016 Jeep Renegade.
- Midsize SUVs:** This section is highlighted and includes:
 - Best Midsize SUVs:** Lists the 2016 Nissan Murano as the #1 choice, followed by the 2016 Toyota Highlander and the 2016 Honda Pilot.
 - 2016 Honda Pilot Overview:** A detailed review for the 2016 Honda Pilot, showing its overall score of 8.7/10. It includes a large image of the vehicle, a 'Find Best Price' button, and a table of prices for different trims (20001, 20002, 20003). Below the image, there are sections for 'View More Photos', '2016 Honda Pilot Overview' (with a year selector from 2007 to 2016), and 'Pros & Cons'. The pros include 'Quiet, upscale cabin' and 'Spacious third row', while the con is 'Frustrating audio controls'. A 'Notable for 2016' section highlights 'Fully redesigned'.

How Our Car Rankings Work

We rank cars by class based on performance, interior, safety, reliability and overall critic ratings.

Meta - reviews

Our analysis targets clear, actionable takeaways to aid decision making.

- » Is this the right car for me?
- » What do I need to know before buying this car?
- » How does this car stack up vs. other cars?
- » What other cars should I consider?
- » Which trims and options are worth looking at?

Current Alt Fuel Market

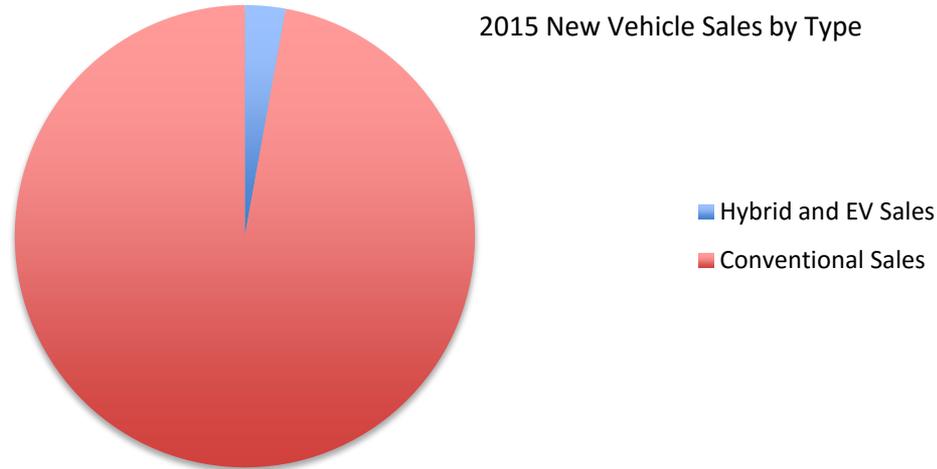
Gasoline Hybrid and Electric Vehicle Sales: 1999–2015

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Hybrid electric	17	9,350	20,282	36,035	47,600	84,199	209,711	252,636	352,274	312,386	290,271	274,210	268,807	434,344	495,534	443,823	384,404
Plug-in hybrid-electric	U	U	U	U	U	U	U	U	U	U	U	U	7,981	38,586	49,008	55,357	42,825
Electric	U	U	U	U	U	U	U	U	U	U	U	U	9,750	14,648	47,694	63,416	71,044

SOURCE

Source: U.S. Department of Energy, Energy Information Administration, Alternative Fuels Data Center, www.afdc.energy.gov/data as of Mar. 30, 2017.

2015 New Vehicle Sales by Type



Personalize

2017 Honda Accord



Gasoline Vehicle



2.4 L, 4 cyl, Automatic (AV-S7)

MSRP: \$22,355 - \$34,830

2017 Honda Accord Hybrid



Hybrid Vehicle
Gasoline



2.0 L, 4 cyl, Automatic (variable gear ratios)

MSRP: \$29,605 - \$35,955

EPA Fuel Economy

Regular Gasoline



29

combined city highway

3.4 gal/100mi

MPG
26 34

Gasoline



499 miles
Total Range

Regular Gasoline



48

combined city highway

2.1 gal/100mi

MPG
49 47

Gasoline



758 miles
Total Range

Unofficial MPG Estimates from Vehicle Owners

[Learn more about "My MPG"](#)
[Disclaimer](#)

User MPG estimates are not yet available for this vehicle

Average based on 12 vehicles

43.6 MPG

36

Lo

52

Hi

[View Individual Estimates](#)

You save or spend*

Note: The average 2017 vehicle gets 26 MPG

You SAVE

\$750

in fuel costs over 5 years compared to the average new vehicle

You SAVE

\$3,500

in fuel costs over 5 years compared to the average new vehicle

Annual Fuel Cost*

\$1,400

\$850

Cost to Drive 25 Miles

\$2.31

\$1.40

Cost to Fill the Tank

\$46

\$42

Tank Size

17.2 gallons

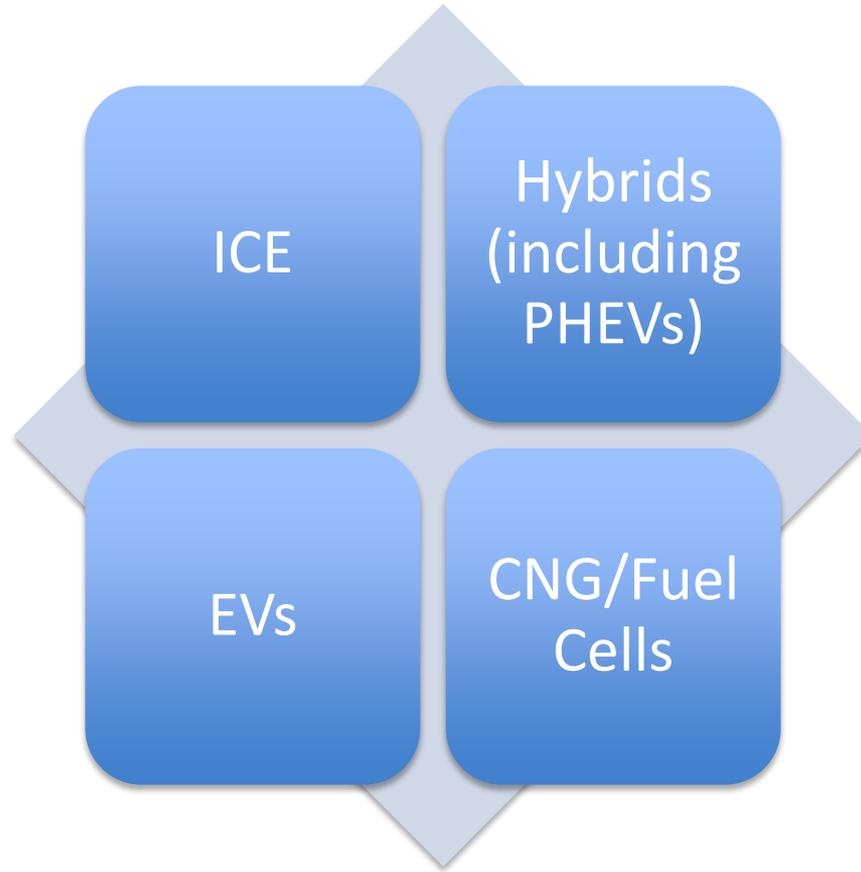
15.8 gallons

*Based on 45% highway, 55% city driving, 15,000 annual miles and current fuel prices. [Personalize.](#)

MSRP and tank size data provided by Edmunds.com, Inc.

Range on a tank and refueling costs assume 100% of fuel in tank will be used before refueling.

Consumer Options



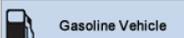
Internal Combustion Engines

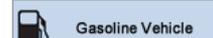
Average Fuel Efficiency of U.S. Light Duty Vehicles

	1980	1985	1990	1991	1992	2010	2011	2012	2013	2014	2015
Average U.S. light duty vehicle fuel efficiency (mpg) (calendar year)	14.9	16.5	18.8	19.5	19.5	21.5	21.4	21.5	21.6	21.4	22.0
New vehicle fuel efficiency (mpg)^c (model year)											
Light-duty vehicle											
Passenger car	24.3	27.6	28.0	28.4	27.9	33.9	33.1	35.4	36.2	36.4	U
Domestic	22.6	26.3	26.9	27.3	27.0	33.1	32.7	34.8	36.0	36.7	U
Imported	29.6	31.5	29.9	30.1	29.2	35.2	33.7	36.5	36.6	36.0	U
Light truck (<8,500 lbs GVWR) ^d	18.5	20.7	20.8	21.3	20.8	25.2	24.7	25.0	25.6	26.3	U
CAFE standards (mpg)^c (model year)											
Passenger car	20.0	27.5	27.5	27.5	27.5	27.5	30.2	33.0	33.5	34.2	U
Light truck ^e	U	19.5	20.0	20.2	20.2	23.4	24.3	25.3	25.8	26.2	U

KEY: CAFE = Corporate Average Fuel Economy; GVWR = gross vehicle weight rating; mpg = miles per gallon; U = data are not available.

Internal Combustion Engines

	2017 Subaru Impreza 4-Door X	2007 Subaru Impreza AWD X
Personalize	  2.0 L, 4 cyl, Automatic (AV-S7) MSRP: \$18,395 - \$24,095	  2.5 L, 4 cyl, Automatic 4-spd
EPA Fuel Economy	Regular Gasoline  32 MPG combined city highway city/highway 3.1 gal/100mi	Regular Gasoline  22 MPG combined city highway city/highway 4.5 gal/100mi
MPG estimates for 2016 and older vehicles may have been revised		View Original EPA MPG
Learn more		
Unofficial MPG Estimates from Vehicle Owners	Average based on 2 vehicles 25.3 MPG 24 Lo → 26 HI View Individual Estimates	Average based on 3 vehicles 23.1 MPG 19 Lo → 27 HI View Individual Estimates
Learn more about "My MPG" Disclaimer		
You save or spend*	You SAVE \$1,500 in fuel costs over 5 years compared to the average new vehicle	You SPEND \$1,500 more in fuel costs over 5 years compared to the average new vehicle
Note: The average 2017 vehicle gets 26 MPG		
Annual Fuel Cost*	\$1,250	\$1,850
Cost to Drive 25 Miles	\$2.09	\$3.05
Cost to Fill the Tank	\$35	\$43
Tank Size	13.2 gallons	15.9 gallons

	2017 Subaru Impreza 4-Door X	2007 Subaru Impreza AWD X
Personalize	  2.0 L, 4 cyl, Automatic (AV-S7) MSRP: \$18,395 - \$24,095	  2.5 L, 4 cyl, Automatic 4-spd
Energy Impact Score ⓘ	Annual Petroleum Consumption REGULAR GASOLINE  10.3 barrels 1 barrel = 42 gallons	
	REGULAR GASOLINE  15.0 barrels	
Greenhouse Gas Emissions ⓘ	REGULAR GASOLINE 282 grams per mile 7	
Units: Grams per mile	REGULAR GASOLINE 404 grams per mile 1 10 Best	
Show: Tailpipe CO2	REGULAR GASOLINE 404 grams per mile 1 10 Best	
	For model years 2012 and earlier, tailpipe CO2 is estimated using an EPA emissions factor and does not reflect direct test results.	

Hybrids and PHEVs

- Consumers lots of options
- Fewer compromises
- Avoiding greenwashing

Personalize

EPA Fuel Economy

<p>2017 Acura MDX Hybrid AWD X</p> <p>Hybrid Vehicle Gasoline</p>  <p>3.0 L, 6 cyl, Automatic (AM-S7) MSRP: \$51,960 - \$58,000</p>	<p>2017 Acura MDX AWD X</p> <p>Gasoline Vehicle</p>  <p>3.5 L, 6 cyl, Automatic (S9) MSRP: \$46,050 - \$58,500</p>
<p>Premium Gasoline</p> <p>27 MPG combined city highway 3.7 gal/100mi</p> <p>Gasoline  524 miles Total Range</p>	<p>Premium Gasoline</p> <p>22 MPG combined city highway 4.5 gal/100mi</p> <p>Gasoline  429 miles Total Range</p>

2017 Ferrari LaFerrari Aperta 6.3 L, 12 cyl, Automatic (AM7), Premium Gasoline

Compare		<p>13 MPG combined city hwy 7.7 gal/100 mi</p>	NA	\$3,700
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EVs

- Consumer Interest
- Hurdles



CNG and Fuel Cells

