



October 7, 2022

National AFV Day Odyssey

Showcasing Cleaner Choices in Transportation

Celebrating 20 years!

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NAFTC Interim Director**

**Meg Baughman,
former NAFTC Communications Director and Odyssey Visionary**

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Because Clean Air and Energy Independence Matter!

1992 Alternative fuels training program launched at WVU

1996 Program goes national, becomes NAFTC

13 community and technical colleges sign on

Mission of clean air adopted

2001 Recognize that clean air AND energy independence matter

Greater awareness critical for realizing change

Focus on fleets yet be inclusive

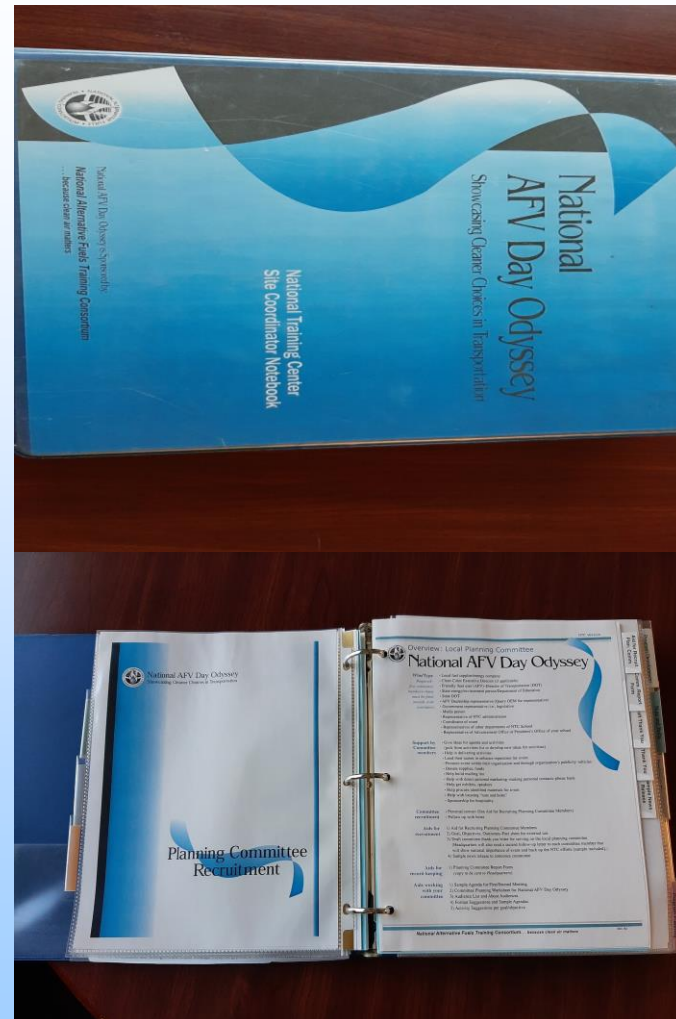


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Hypothesis...

To promote AFVs:

- Well-branded outreach event
- Uniform yet flexible national campaign
- Clear objectives
- “Do-able” by stakeholders
 - Event suggestions
 - Event tools
- Measurable impact



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Odyssey is Born in 2002

1 Common message: cleaner, more efficient transportation options exist!

3 Objectives

- create greater awareness about AFVs
- show appreciation for the stakeholder community
- strengthen partnerships

31 states plus Winnipeg!

51 organizations representing academic, public, and private sectors



“Independence, self-reliance, fairness, being responsible stewards—values at the core of what it means to be an American.”

--2002 *Odyssey Report*



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2006 The Future of Fuels included **free** biodiesel and ethanol fuel, natural gas bi-fuel, E85 flex fuel, HEVs and a rare Toyota EV!



1st generation RAV4 EV source:
https://en.wikipedia.org/wiki/Toyota_RAV4_EV



2008 Second Annual Alternative Transportation Festival featured biofuels and HEVs, 'smart car' demos, and public transportation, ride sharing, bicycling options



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2010 Odyssey Day Event

Biodiesel hybrid tractor and buses,
Toyota EV and PHEV, autogas vehicles,
natural gas bi- fuel, flex fuel E85,
partnered with CCAC!



2012 3rd Annual Odyssey Day Event
included 24 AFVs, such as the CNG 11.9L
Volvo Class 8 tractor, a One Source bi-fuel
F150, and off-road vehicles, at CCAC



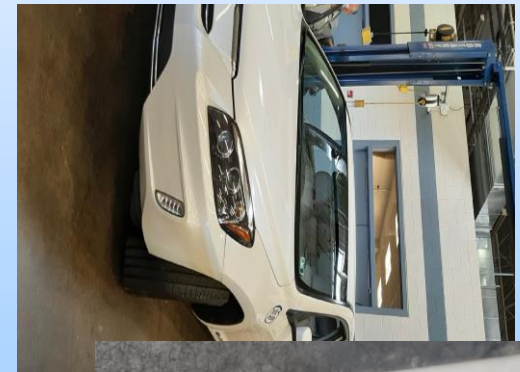
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2014 Driving Toward a Clean,
Secure Energy Future
featured Sen. Bob Casey and talks about
infrastructure, funding, and training

2021 Odyssey/National Drive Electric Week
included dealers, EV owners, autogas, infrastructure
update...& that rare Toyota EV!

Reported 150-2,000 attendees per event
Continue to support Odyssey today!



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...Results

In 2002, surveys said:

74% learned something new about transportation options

90% would test drive an AFV/EV

90% had increased interest in owning an AFV

In 2012, surveys said:

89% supported expanding local AFV options

80% would test drive an AFV/EV

84% would consider purchasing an AFV/EV

In 2014, surveys said:

87% supported expanding local AFV options

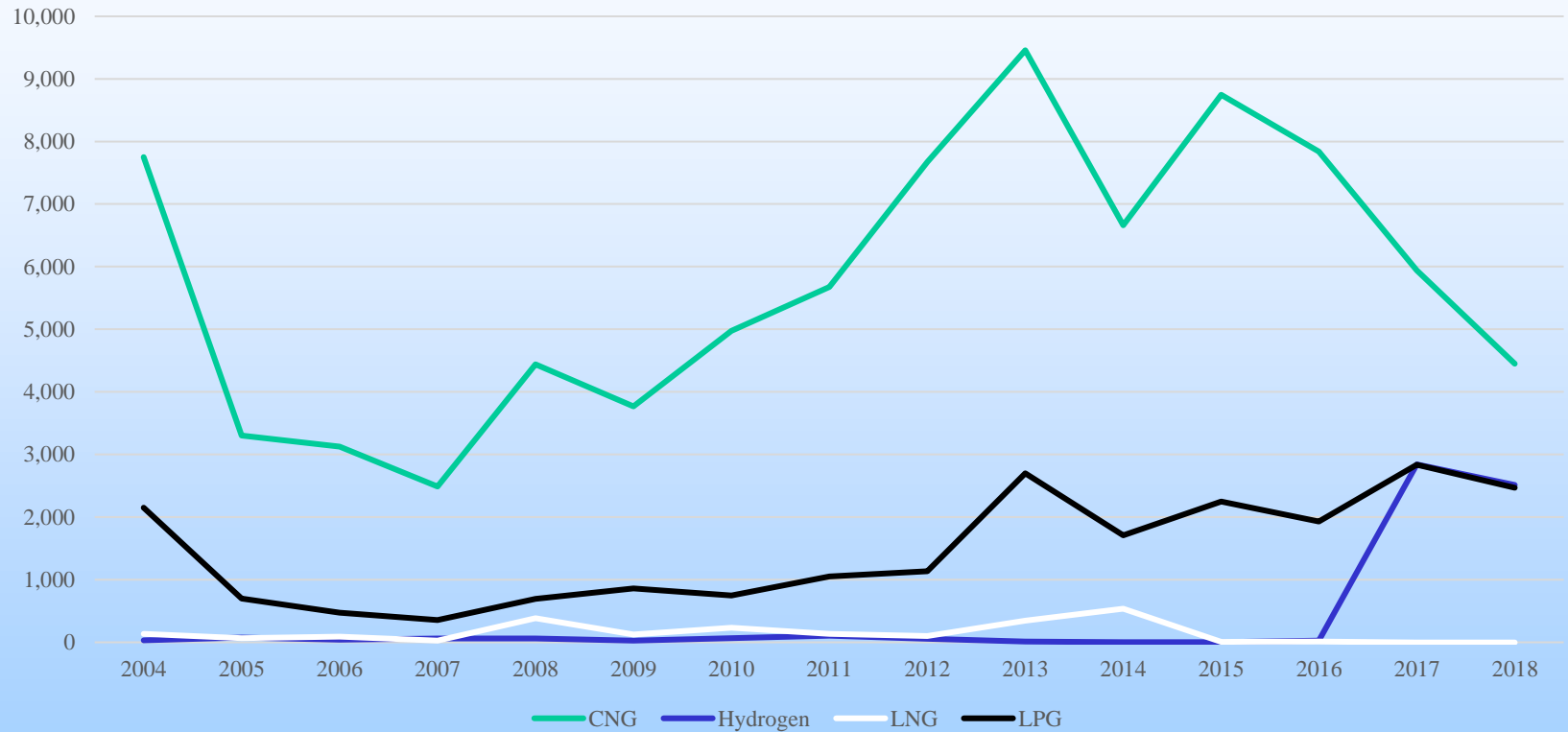
77% would test drive an AFV/EV

69% would consider purchasing an AFV/EV



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Non-EV AFVs Available in US by Year

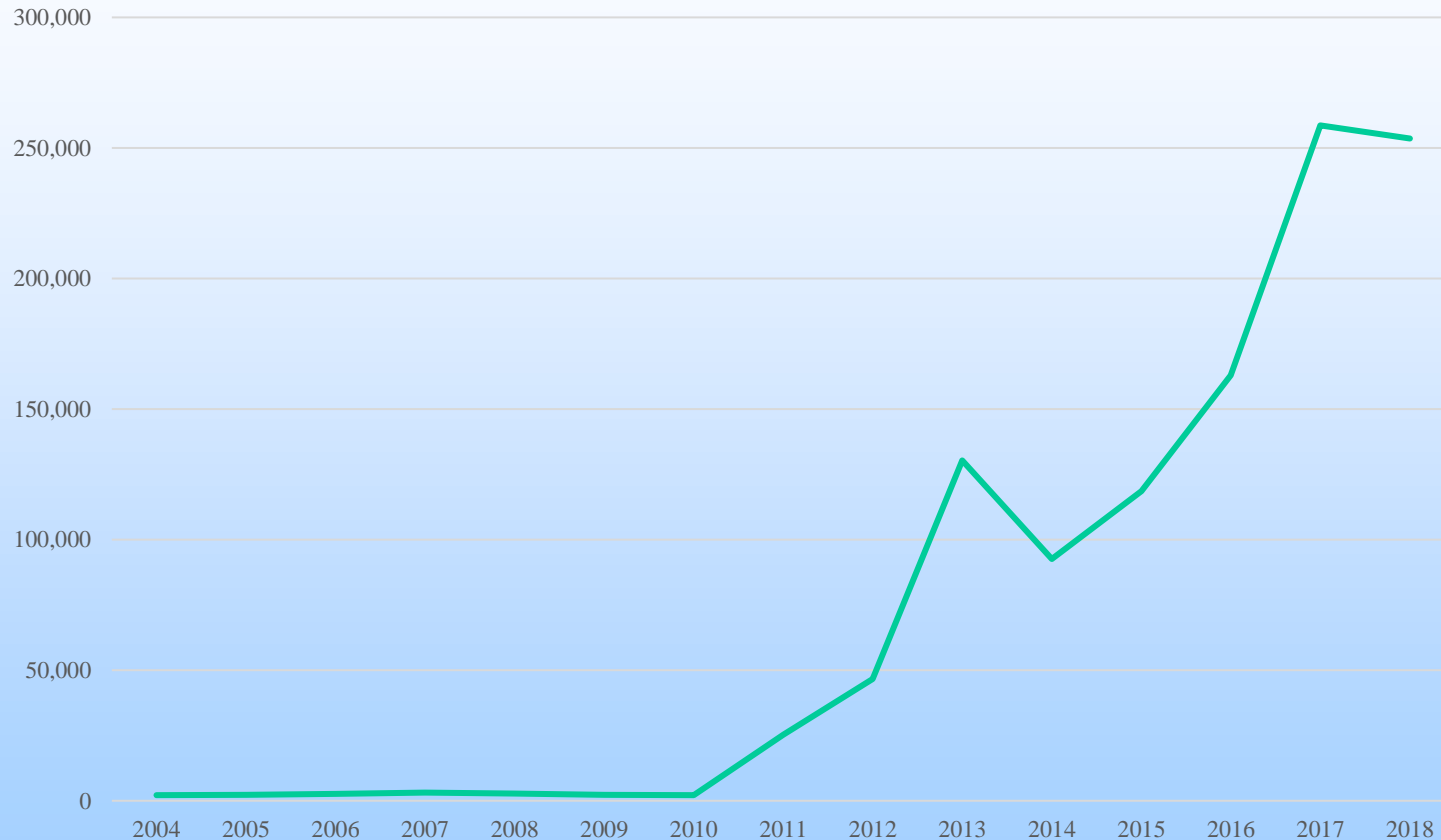


Source: Transportation Energy Data Book Edition 40, June 2022, ORNL



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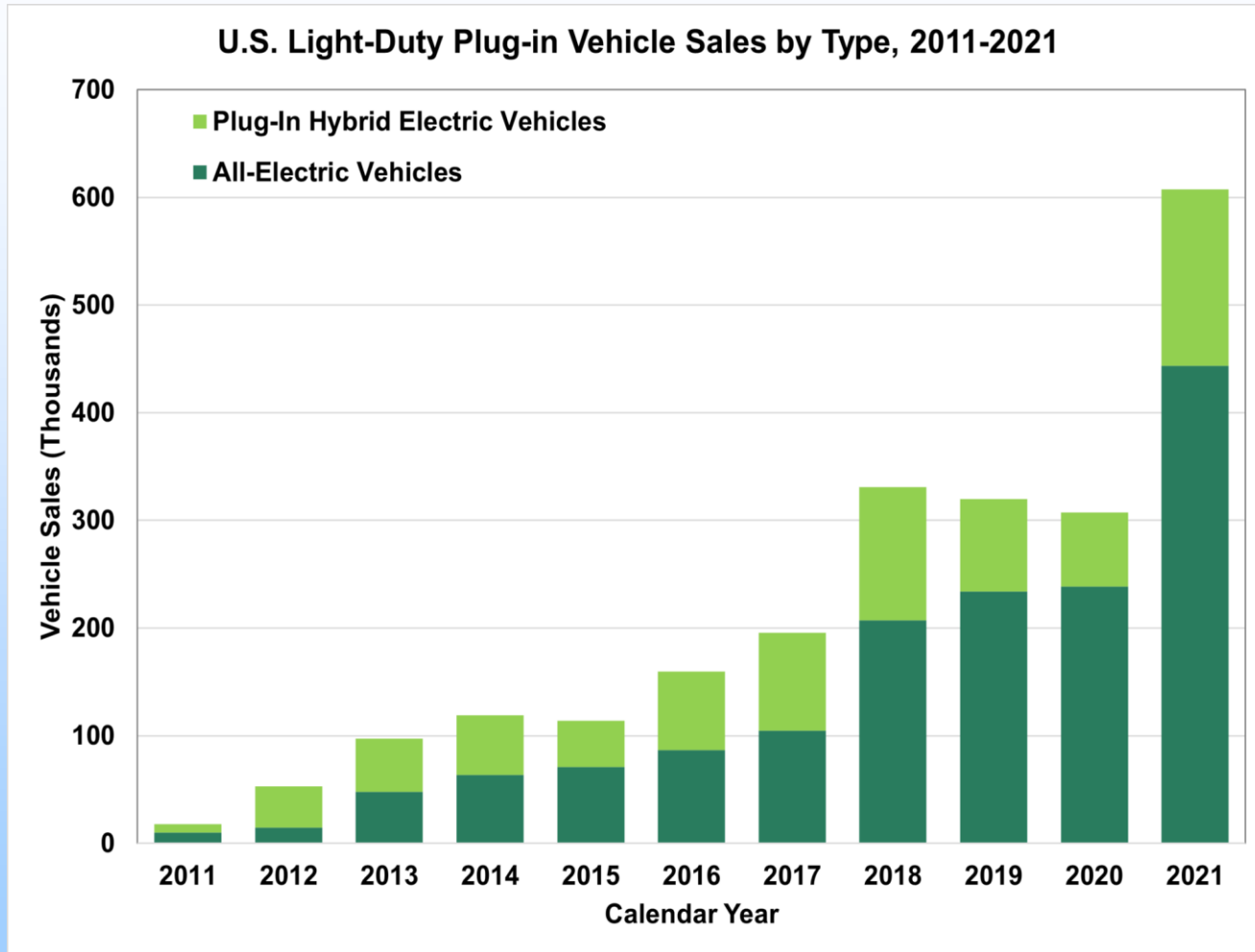
Available Plug-in HEV, BEV in US by Year



Source: Transportation Energy Data Book Edition 40, June 2022, ORNL



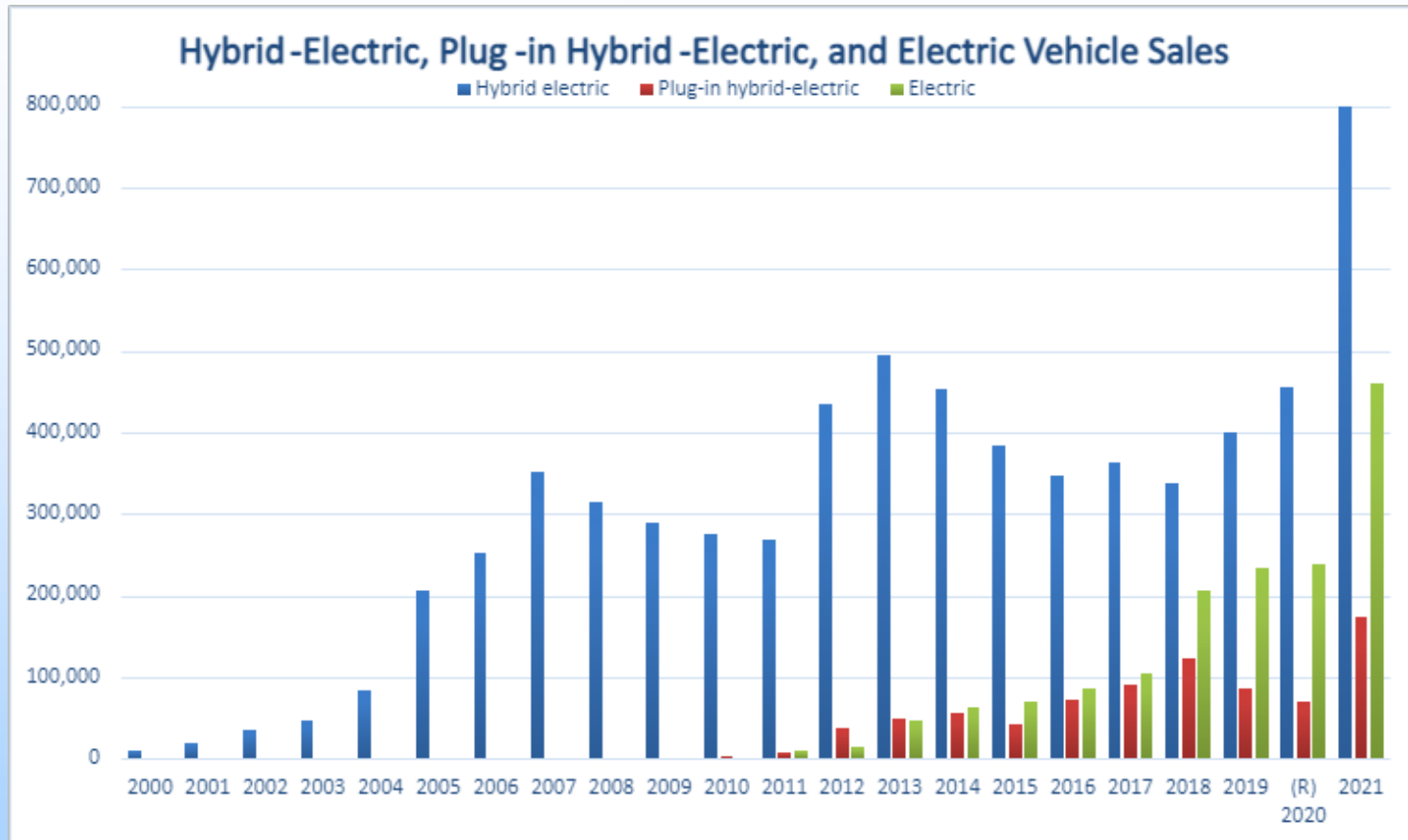
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Source: Energy Saver at [energy.gov](https://www.energy.gov) March 2022
<https://www.energy.gov/sites/default/files/2022-02/PHEV%20Sales.png>



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Source: Bureau of Transportation Statistics citing Transportation Energy Data Book, Edition 40, table 6.2
<https://www.bts.gov/content/gasoline-hybrid-and-electric-vehicle-sales>

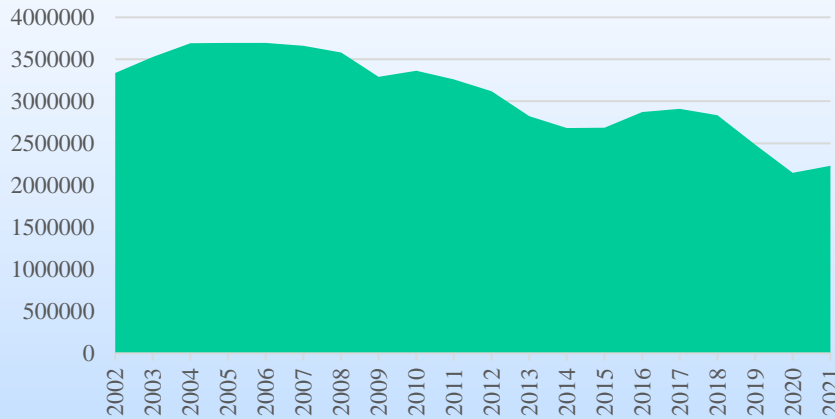
Versus 10.2M to 16.9M vehicles sold 2002-2021



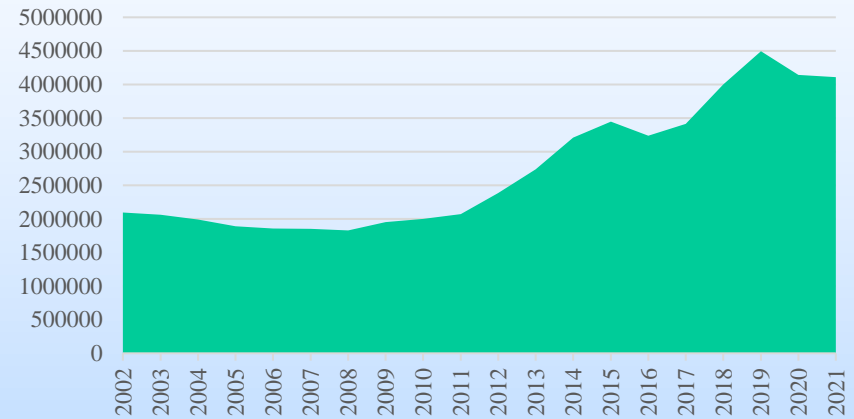
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Energy Independence?

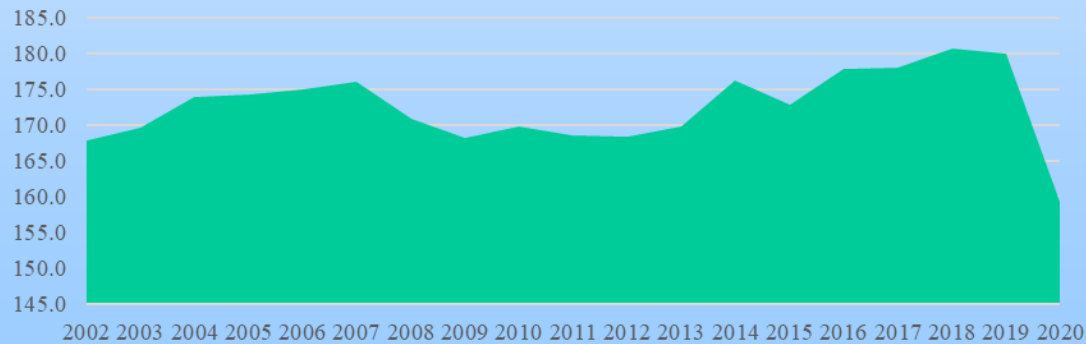
2002-2021 US Oil Imports (barrels)



2002-2021 US Oil Production (barrels)



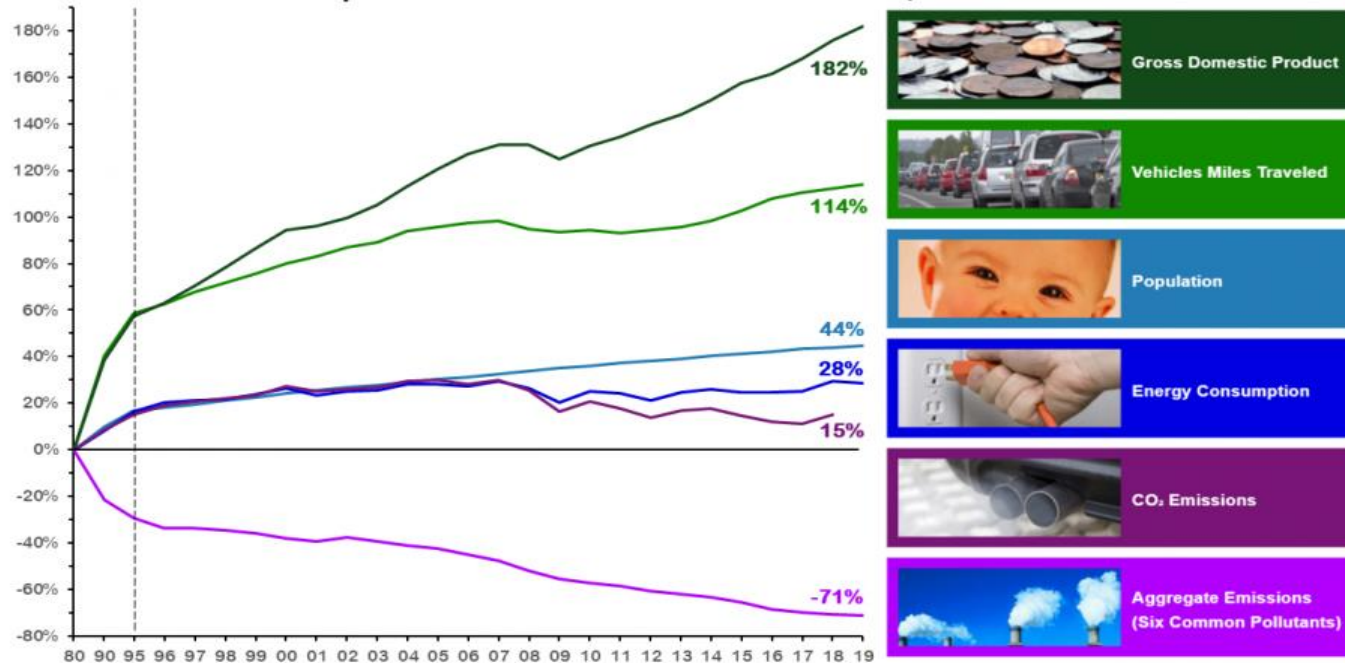
Oil Consumed in US Transportation 2002-2020 (Millions of Gallons)



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Clean Air?

Comparison of Growth Areas and Emissions, 1980-2019



Note:

CO₂ emissions estimate through 2018 (Source: [US Greenhouse Gas Inventory Report](#))

Gross Domestic Product: [Bureau of Economic Analysis](#)

Vehicle Miles Traveled: [Federal Highway Administration](#)

Population: [Census Bureau](#)

Energy Consumption: [Dept. of Energy, Energy Information Administration](#)

Aggregate Emissions: [EPA's Air Pollutant Emissions Trends Data](#)

Source: EPA <https://www.epa.gov/transportation-air-pollution-and-climate-change/history-reducing-air-pollution-transportation>



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More Work to Do!

*Commendations to
Pittsburgh Region Clean Cities*

For keeping up the good effort!

Questions?

