WHO IS SAFE?
SAFE advocates for policies to accelerate the deployment of autonomous vehicles and maximize the benefits they offer society.
Oil’s Transportation Monopoly

Oil’s Share of Transportation Energy

- Commercial
- Residential
- Transport
- Industrial

[Bar chart showing oil’s share of transportation energy by sector and time period (2010, 2020, 2030).]

- Renewable Power
- Nuclear Power
- Oil Power
- Gas Power
- Coal Power
- Primary: Renewables

- U.S.
- Global

- 93% 93%
- 92% 91%
- 90% 88%
ELECTRIC VEHICLES HAVE NOT FULLY CAUGHT ON

Electric Drive Sales (2010-2017)

Sales

% of all light duty vehicle sales


Hybrid, EV, Electric Drive Sales
THE VIRTUOUS CYCLE

Facilitates rapid development

Reduces range & battery concerns

Reduces components

Enables smaller fleet

Lowers cost to build and operate

Accelerates Adoption
Increases Utilization

Lowers cost to serve

Securing America's Future Energy

Accelerates Adoption
Increases Utilization

Lowers cost to serve

Lowers cost to build and operate

Reduces range & battery concerns

Enables smaller fleet

Facilitates rapid development

THE VIRTUOUS CYCLE
AV: I JUST WANT TO BE... EV?

**Autonomous Vehicles by Powertrain Type**

- **Current Autonomous Vehicles**
  - Electric Vehicle (EV): 58%
  - Hybrid (HEV): 21%
  - Internal Combustion Engine (ICE): 21%

- **2016 Model Availability**
  - Electric Vehicle (EV): 7%
  - Hybrid (HEV): 7%
  - Internal Combustion Engine (ICE): 86%

*Note: Dedicated CNG, bifuel, and flex-fuel vehicle models were not included in this analysis.*

*Source: SAFE estimates based on interviews and public data*
EXISTING AUTONOMOUS VEHICLES

Uber’s Volvo XC90 Plug-in Hybrid

GM’s Chevrolet Bolt (EV)

Waymo’s FCA Pacifica Plug-in Hybrid
BENEFITS: ACCELERATING FUEL CHOICE

Electric Vehicles Proliferate...

...and disproportionately fulfill VMT
TELLING THE BROADER STORY

- Commission on AV Testing and Safety
- Self Driving Cars: The Impact on People with Disabilities
- Online Policy Dialogue with Department of Labor’s Office of Employment and Disability Policy
- Self-Driving Vehicles: New Technologies and the Potential for Energy Savings in the Commercial Vehicle Sector (this month)
- AVs and Future of Labor Study (pending)
Shining a path forward... any questions?