

Perspectives on EPA / NHTSA Revisions to the Fuel Economy Label

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NRDC Preferred Approach



- Prominent letter grade system
 - Single scale for all cars and trucks
- GHG basis for comparison across all technologies
- Clear operational cost impacts
- Include fuel consumption metric



Advantages to Preferred Approach



Simplicity

- Letter grade system promoted by expert panel because everyone understands it.
- Provides a full view of choices by putting all vehicles on the same rating scale.
- Boils down complex information so it can be factor early in the buying process.
- Operational cost: 'save' vs. 'spend'

Fair assessment

- GHG basis for rating shows environmental impact while also being applicable across technology
- Promotes clean technologies

Hybrid and Plug-in Models Ramping Up



Number of Electric Vehicle Models Introduced or Expected to be Introduced in U.S. Market

Vehicle Type	Already in Market	Total by Model Year 2015
Conventional Hybrids	22	52
Plug-in Hybrids	0	18
Battery Electrics	1	32
Fuel Cell Vehicles	0	6
Total	23	108

Source: Alan Baum & Associates, Sept 2010, http://baum-assoc.com/EVForecast.aspx.

- Clear need to address advanced technologies
- Differentiation could help sales of new technologies

Consumers Shop Across Vehicle Types



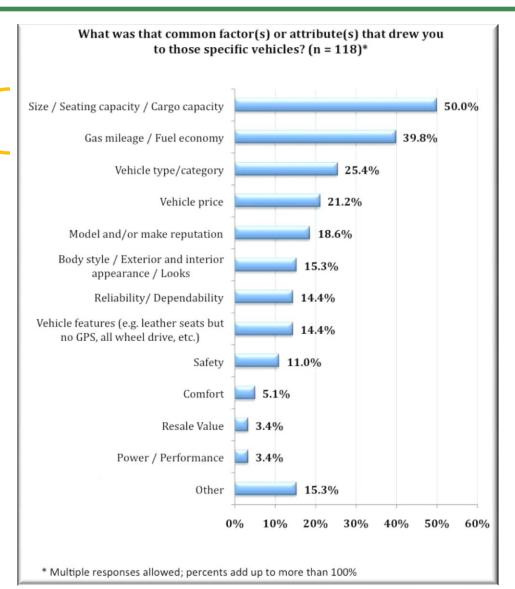
- **EPA Pre-Focus Group Survey**
 - "Most considered more than one vehicle and shopped across vehicle types"
 - "More than half (53.6%) compared two to three vehicles before making their final decision..."
 - "...when it came to the types of vehicles seriously considered, more than three-fifths (62.8%) considered more than one vehicle type, with a third (32.9%) considering two vehicle types and another fifth (19.7%)considering three vehicle types."

Source: EPA, Fuel Economy Label Pre-Focus Groups Online Survey Report, EPA-420-R-10-907, August 2010

Survey: Consumers Focus on Size/Capacity and Fuel Economy



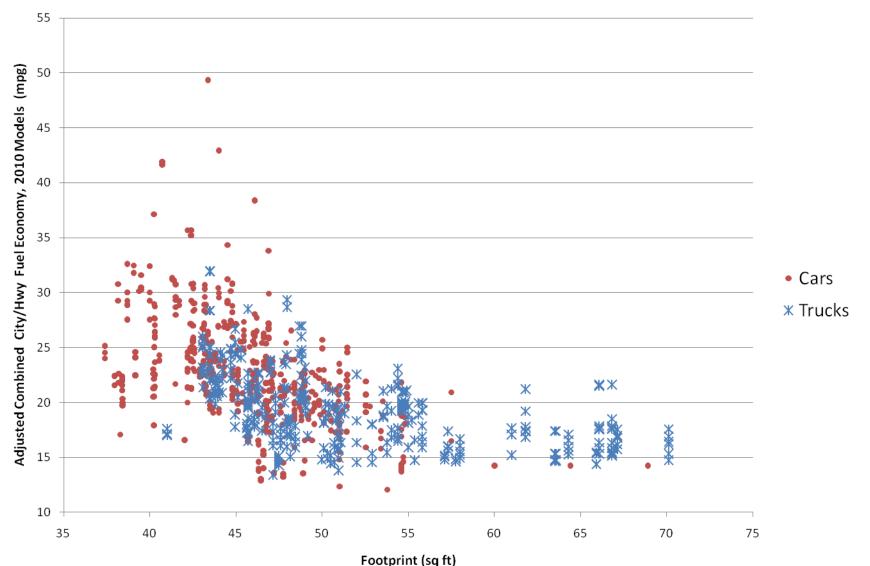
Top Attributes -



Source: EPA, Fuel Economy Label Pre-Focus Groups Online Survey Report, EPA-420-R-10-907, August 2010

Many Choices of Class and Fuel Economy at Single Vehicle Size





Potential Vehicle Choices within a Footprint



Models Footprint: ~43.5 ft ²	MPG (Adj. Composite)
Toyota Prius (car)	49.4
Ford Escape Hybrid (truck)	32.0
Mazda3 (car)	24.6 – 28.9
Ford Escape (truck)	25.0 – 20.4
Mitsubishi Eclipse (car)	19.8 – 23.7

Models Footprint: ~48.0 ft ²	MPG (Adj. Composite)
Lexus RX 450h (truck)	28.7 – 29.4
Mazda6 (car)	21.0 – 25.4
Volvo XC 60 (car)	18.5 – 21.3
Mitsubishi Endeavor (truck)	17.2 – 18.4

Summary



- Single scale for all vehicles is crucial
 - Enhances usability by demonstrating the spectrum of choices, independent of vehicle type
- Letter grade system is key for simplicity
 - Easy to understand, the letter grade enables efficiency and pollution to be a large factor early in the buying process
 - Early shopping process enhanced with operational cost 'save' or 'spend'
- Together, these attributes serve to promote broader commercialization of advanced, clean technologies that are increasingly being developed, providing an opportunity to leading manufacturers.