



North American PHEV Demonstration

Fleet Summary Report:– EnergyCS Prius (Valance pack)

Number of Vehicles: 5 (EnergyCS Data Logger)

Reporting Period: Jan – June 2009 Summary*

Vehicle Technologies Program

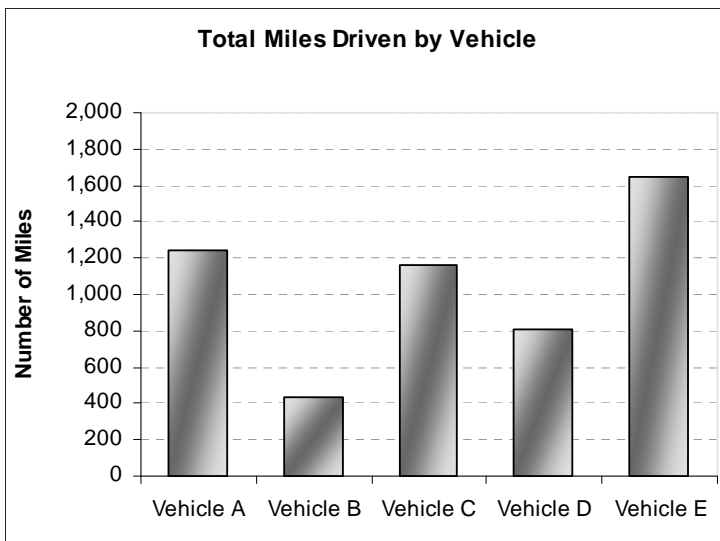
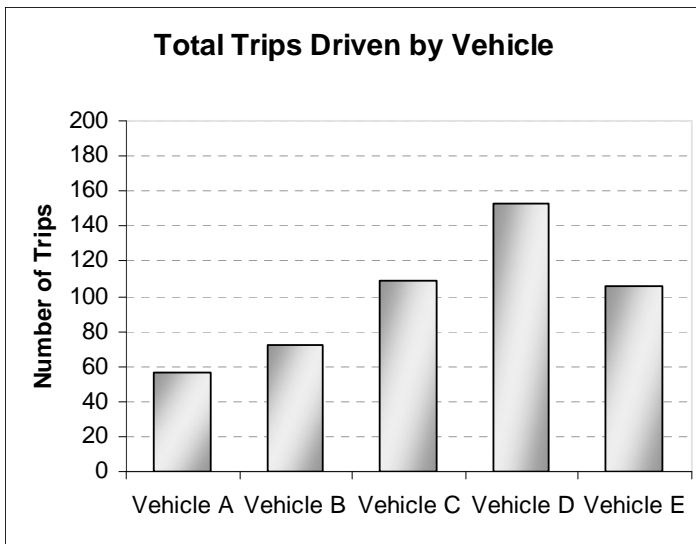
Advanced Vehicle Testing Activity

Summary MPG, Trips Taken, and Distance Driven by Operating Mode**

Trip Type	Fuel Economy (mpg)	Number of Trips	Miles Driven	Percent Total Distance
All	52	497	5,290	
CD	62	268	1,340	25%
CD/CS	55	57	1,738	33%
CS	47	172	2,212	42%

Charging Events – all 5 vehicles

Number of Charging Events	99
Charging Energy (AC kWh) §	322



§ Net electricity consumption during driving was 258 DC kWh. Assuming a round trip efficiency of 81%, total grid to vehicle charging energy is estimated to be 322 AC kWh

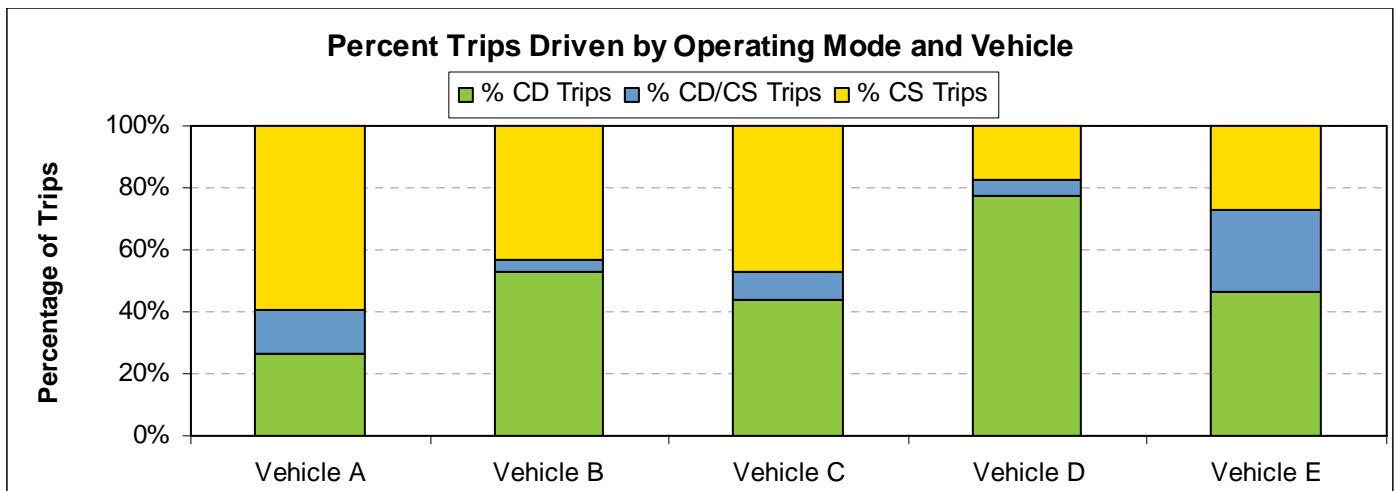
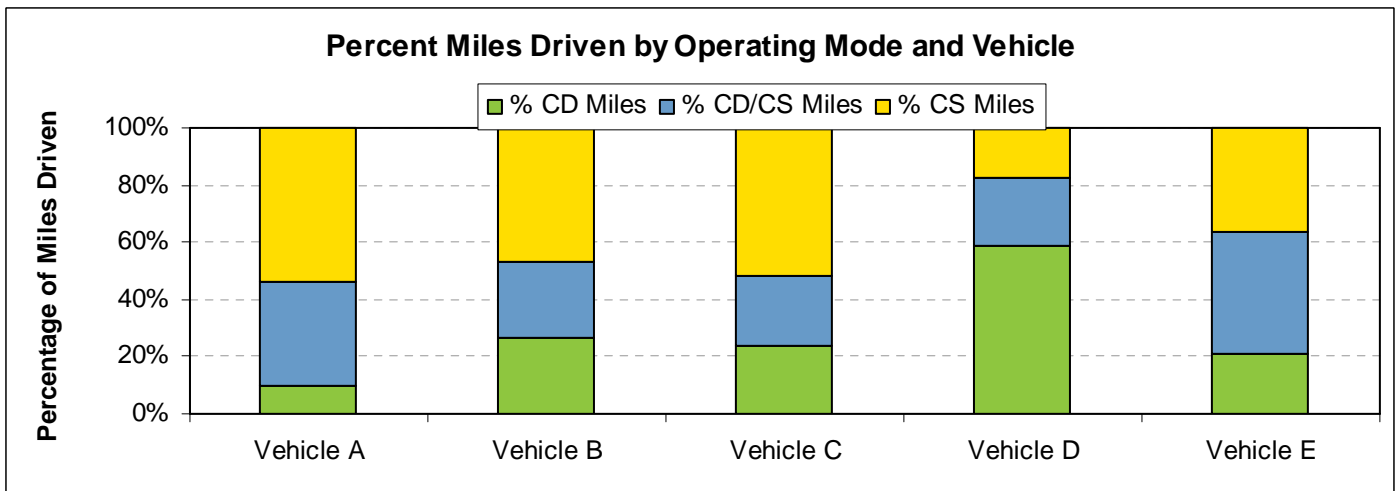
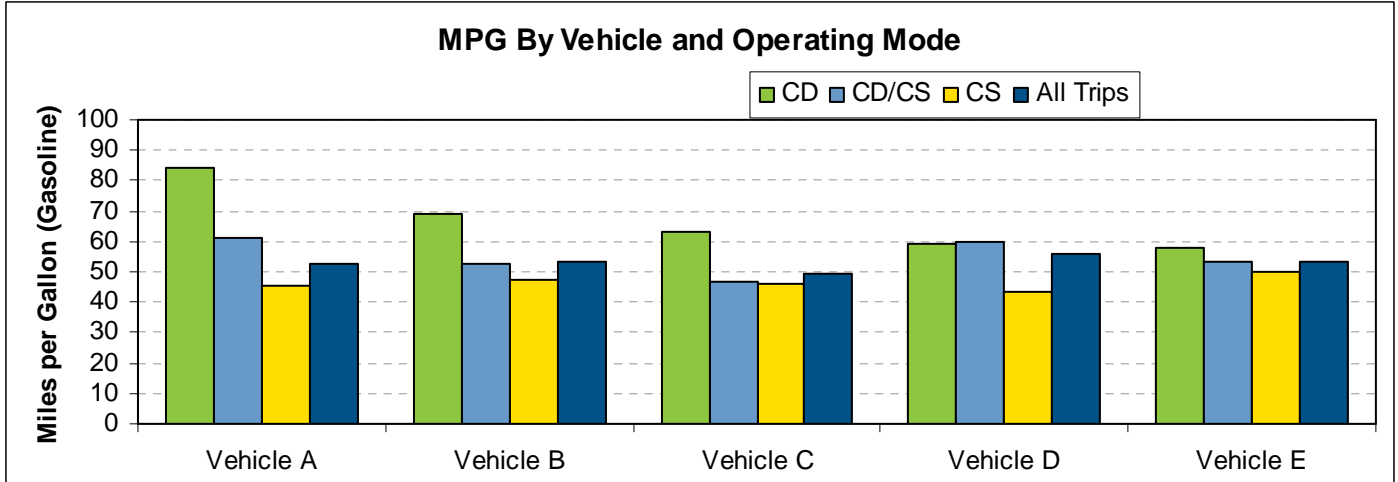


North American PHEV Demonstration

2009 Summary Report – EnergyCS Prius (Valance Battery Pack)

Vehicle Technologies Program

Advanced Vehicle Testing Activity



* Some trips, charges, and miles driven are not reported due to data logger / data collection errors. Vehicles A to E are actual fleet vehicles but by prior agreement the fleet operators are not identified. Vehicles A – D in this report represent the same vehicles A – D shown in the 2008 report. Vehicle E represents a different vehicle than Vehicle E shown in the 2008 report.

** CD trip – PHEV battery charge is being depleted the entire trip. CS trip – the battery charge is being sustained the entire trip because the PHEV battery was fully depleted before starting the trip. CD/CS trip – the trip started in CD mode but changed to CS mode before trip end.