

North American PHEV Demonstration

Fleet Summary Report: Hymotion Prius (V2Green data logger)

Number of vehicles: 165
Reporting Period: August 2010

All Trips Combined

| - | |
|--|---------|
| Overall gasoline fuel economy (mpg) | 48 |
| Overall AC electrical energy consumption (AC Wh/mi) ¹ | 45 |
| Overall DC electrical energy consumption (DC Wh/mi) ² | 32 |
| Total number of trips | 11,926 |
| Total distance traveled (mi) | 128,538 |
| Total number of trips | 11,926 |

Trips in Charge Depleting (CD) mode 3

| mps in ondige pepieding (ob) mode | |
|--|-----------|
| Gasoline fuel economy (mpg) | 67 |
| DC electrical energy consumption (DC Wh/mi) ⁴ | 143 |
| Number of trips | 4,283 |
| Percent of trips city / highway | 86% / 14% |
| Distance traveled (mi) | 21,067 |
| Percent of total distance traveled | 16% |

Trips in both Charge Depleting and Charge Sustaining (CD/CS) modes 5

| Gasoline fuel economy (mpg) | 55 |
|--|-----------|
| DC electrical energy consumption (DC Wh/mi) ⁶ | 52 |
| Number of trips | 791 |
| Percent of trips city / highway | 46% / 54% |
| Distance traveled (mi) | 20,971 |
| Percent of total distance traveled | 16% |

Frips in Charge Sustaining (CS) mode 7

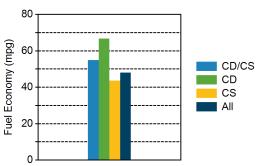
| Imps in Charge Sustaining (CS) mode | |
|---|-----------|
| Gasoline fuel economy (mpg) | 44 |
| Number of trips | 6,852 |
| Percent of trips city / highway | 76% / 24% |
| Distance traveled (mi) | 86,499 |
| Percent of total distance traveled | 67% |
| Number of trips when the plug-in battery pack was turned off by the vehicle operator ⁸ | 813 |
| Distance traveled with plug-in battery pack turned off by the vehicle operator (mi) ⁹ | 16,605 |
| | |

Vehicle Technologies Program

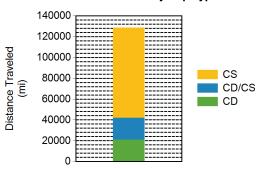
Date range of data received: 8/1/2010 to 8/31/2010

Number of days the vehicles were driven: 31

Gasoline Fuel Economy By Trip Type



Distance Traveled By Trip Type

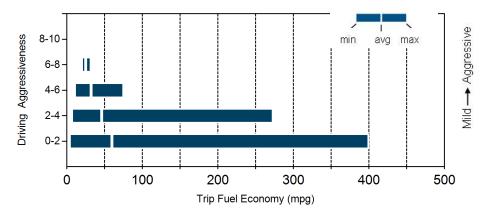


Notes: 1 - 9. Please see http://avt.inel.gov/phev/reportnotes for an explanation of all PHEV Fleet Testing Report notes.

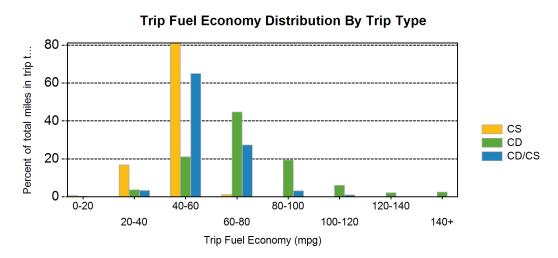
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| Trips in Charge Depleting (CD) mode | City | Highway |
|--|------|---------|
| Gasoline fuel economy (mpg) | 66 | 68 |
| DC electrical energy consumption (DC Wh/mi) | 173 | 109 |
| Percent of miles with internal combustion engine off | 41% | 22% |
| Average trip aggressiveness (on scale 0 - 10) | 2.0 | 1.8 |
| Average trip distance (mi) | 3.0 | 17.1 |
| Trips in both Charge Depleting and Charge Sustaining (CD/CS) modes | | |
| Gasoline fuel economy (mpg) | 54 | 55 |
| DC electrical energy consumption (DC Wh/mi) | 80 | 46 |
| Percent of miles with internal combustion engine off | 33% | 13% |
| Average trip aggressiveness (on scale 0 - 10) | 2.0 | 1.6 |
| Average trip distance (mi) | 9.0 | 41.6 |
| Trips in Charge Sustaining (CS) mode | | |
| Gasoline fuel economy (mpg) | 36 | 46 |
| Percent of miles with internal combustion engine off | 24% | 9% |
| Average trip aggressiveness (on scale 0 - 10) | 2.1 | 1.7 |
| Average trip distance (mi) | 3.5 | 42.0 |

Effect Of Driving Aggressiveness on Fuel Economy This Year



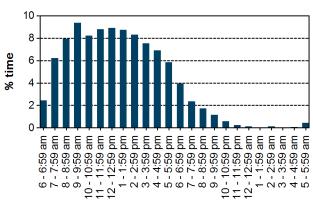
Aggressiveness factor is based on accelerator pedal position. The more time spent during a trip at higher accelerator pedal position, the higher the trip aggressiveness.



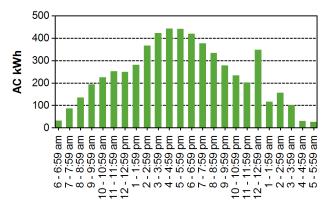
Plug-in charging

| Average number of charging events per vehicle per month when driven | 12 | |
|---|-------|--|
| Average number of charging events per vehicle per day when vehicle driven | 0.8 | |
| Average distance driven between charging events (mi) | 64.6 | |
| Average number of trips between charging events | 6.0 | |
| Average time plugged in per charging event (hr) | 26.2 | |
| Average time charging per charging event (hr) | 2.8 | |
| Average energy per charging event (AC kWh) | 2.9 | |
| Average charging energy per vehicle per month (AC kWh) | 35.1 | |
| Total number of charging events | 1,991 | |
| Total charging energy (AC kWh) | 5,761 | |

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

