

Chrysler RAM PHEV Fleet

Number of vehicles: 66

Date range of data received: 9/1/2011 to 9/30/2011

Reporting period: September 2011

Number of vehicle days driven: 546

All Trips Combined

Overall gasoline fuel economy (mpg)	19
Overall AC electrical energy consumption (AC Wh/mi) ¹	181
Overall DC electrical energy consumption (DC Wh/mi) ²	104
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	49
Total number of trips	2,810
Total distance traveled (mi)	13,695

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg)	23
DC electrical energy consumption (DC Wh/mi) ⁴	257
Number of trips	1,585
Percent of trips city highway	98% 2%
Distance traveled (mi)	4,640
Percent of total distance traveled	33%

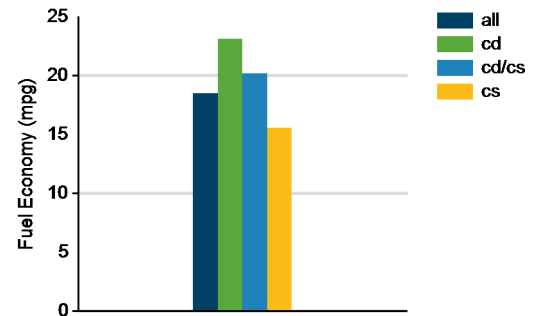
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes⁵

Gasoline fuel economy (mpg)	20
DC electrical energy consumption (DC Wh/mi) ⁶	99
Number of trips	164
Percent of trips city highway	84% 16%
Distance traveled CD CS (mi)	1,235 1,651
Percent of total distance traveled CD CS	9% 12%

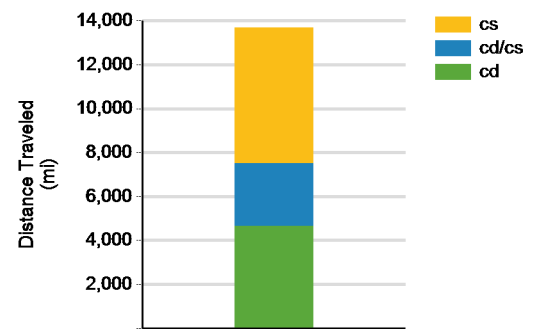
Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg)	16
Number of trips	1,061
Percent of trips city highway	95% 5%
Distance traveled (mi)	6,195
Percent of total distance traveled	44%

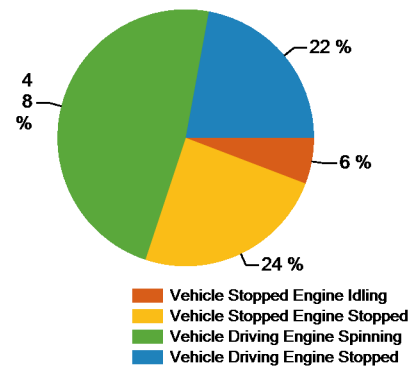
Gasoline Fuel Economy By Trip Type



Distance Traveled By Trip Type



Percent of Drive Time by Operating Mode



Notes: 1 - 9. Please see <http://avt.inl.gov/pdf/phev/chryslerreportnotes.pdf> for an explanation of all PHEV Fleet Testing Report notes.

The Chrysler RAM PHEV Fleet was designed as a demonstration program of customer duty cycles related to plug-in electric vehicles and may not necessarily demonstrate optimized fuel economy.

Vehicle fuel economy is based on customer usage and may not be representative of maximum potential fuel economy.

Trips in Charge Depleting (CD) mode

	City	Highway
Gasoline fuel economy (mpg)	23	26
DC electrical energy consumption (DC Wh/mi)	277	160
Percent of miles with internal combustion engine off	23%	3%
Average trip Agressiveness	4.1	2
Percent of miles with air conditioning selected	81%	74%
Average trip distance (mi)	2	23

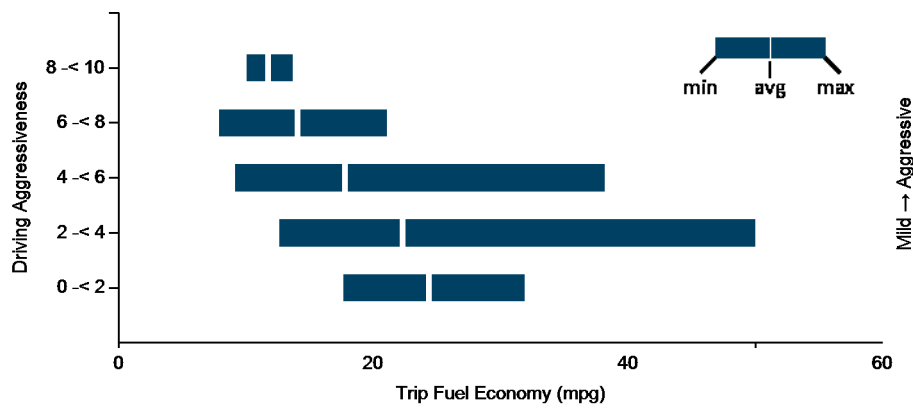
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	20	21
DC electrical energy consumption (DC Wh/mi)	124	63
Percent of miles with internal combustion engine off	17%	2%
Average trip Agressiveness	3.7	2
Percent of miles with air conditioning selected	85%	90%
Average trip distance (mi)	12	43

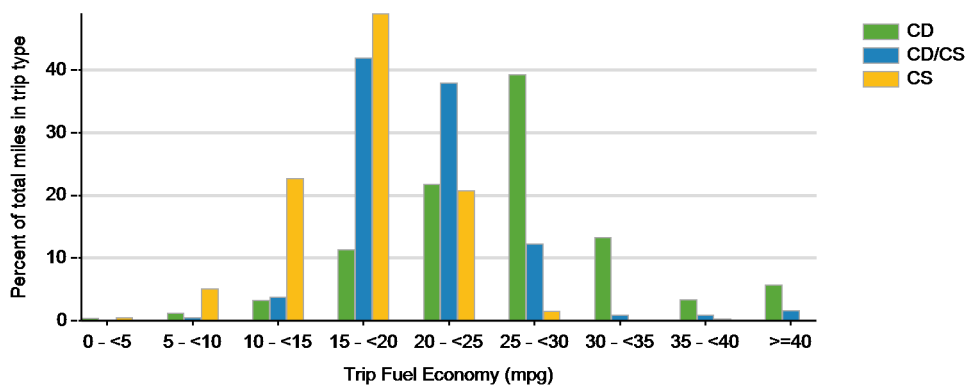
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	14	20
Percent of miles with internal combustion engine off	13%	2%
Average trip Agressiveness	4.3	2.1
Percent of miles with air conditioning selected	89%	93%
Average trip distance (mi)	4	33

Effect of Driving Aggressiveness on Fuel Economy^a



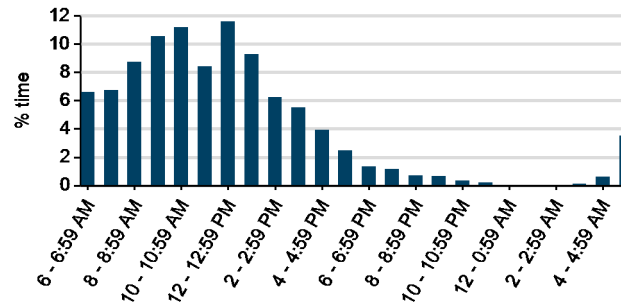
Trip Fuel Economy Distribution By Trip Type



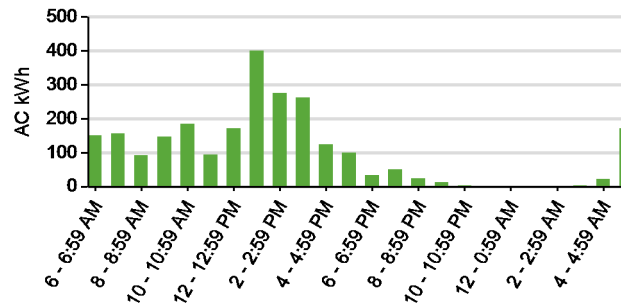
Plug-in charging

Average number of charging events per vehicle per month when driven	5.97	
Average number of charging events per vehicle per day when driven	0.72	
Average distance driven between charging events (mi)	34.76	
Average number of trips between charging events	7.13	
Average time charging per charging event (hr)	1.95	
Average energy per charging event (AC kWh)	6.28	
Average charging energy per vehicle per month (AC kWh)	37.47	
Total number of charging events	394	
Number of charging events at Level 1 Level 2	88	302
Total charging energy consumed (AC kWh)	2,473	
Charging energy consumed at Level 1 Level 2 (AC kWh)	384	2,088
Percent of total charging energy from Level 1 Level 2	16%	84%
Average time to charge from 20% to 100% SOC (hrs) Level 1 Level 2 ⁹	42.40	2.29

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

