

## Chrysler Town & Country PHEV Fleet

Number of vehicles: 23

Date range of data received: 9/1/2012 to 9/28/2012

Reporting period: September 2012

Number of vehicle days driven: 295

### All Trips Combined

Overall gasoline fuel economy (mpg)	25
Overall AC electrical energy consumption (AC Wh/mi) <sup>1</sup>	0
Overall DC electrical energy consumption (DC Wh/mi) <sup>2</sup>	0
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	27
Total number of trips	1,579
Total distance traveled (mi)	22,475

### Trips in Charge Depleting (CD) mode<sup>3</sup>

Gasoline fuel economy (mpg)	28
DC electrical energy consumption (DC Wh/mi) <sup>4</sup>	76
Number of trips	96
Percent of trips city   highway	96%   4%
Distance traveled (mi)	679
Percent of total distance traveled	3%

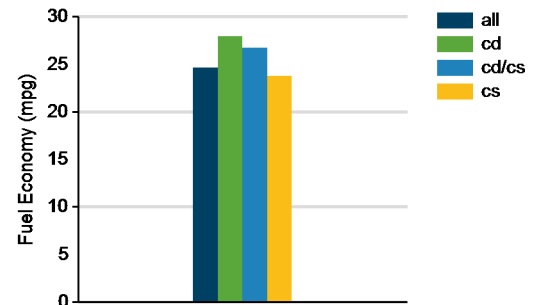
### Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes<sup>5</sup>

Gasoline fuel economy (mpg)	27
DC electrical energy consumption (DC Wh/mi) <sup>6</sup>	3
Number of trips	264
Percent of trips city   highway	66%   34%
Distance traveled CD   CS (mi)	332   6,138
Percent of total distance traveled CD   CS	1%   27%

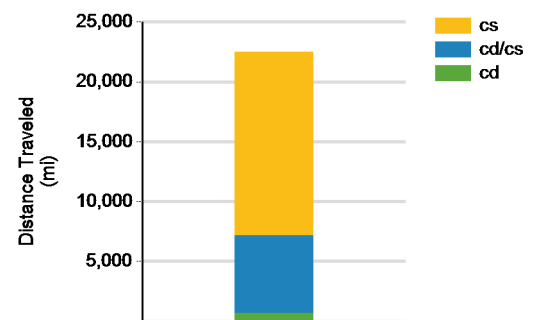
### Trips in Charge Sustaining (CS) mode<sup>7</sup>

Gasoline fuel economy (mpg)	24
Number of trips	1,219
Percent of trips city   highway	86%   14%
Distance traveled (mi)	15,326
Percent of total distance traveled	68%

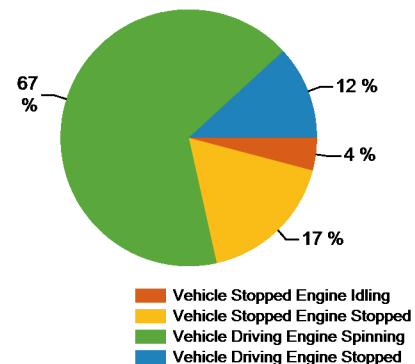
Gasoline Fuel Economy By Trip Type



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. This document also includes all report changes to date.

The Chrysler Town & Country 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)	26	30
DC electrical energy consumption (DC Wh/mi)	156	15
Percent of miles with internal combustion engine off	12%	0%
Average trip Agressiveness	6.7	1.8
Percent of miles with air conditioning selected	72%	25%
Average trip distance (mi)	3	96

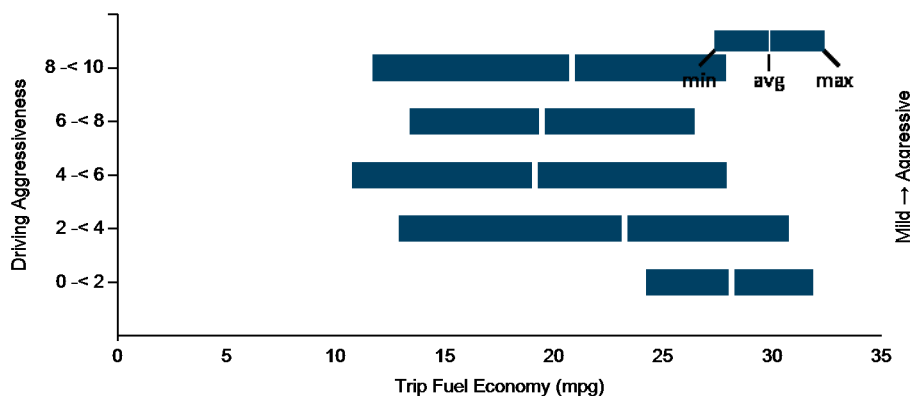
**Trips in Charge Depleting and Charge Sustaining (CD/CS) mode**

Gasoline fuel economy (mpg)	23	28
DC electrical energy consumption (DC Wh/mi)	8	1
Percent of miles with internal combustion engine off	8%	1%
Average trip Agressiveness	5.4	2.9
Percent of miles with air conditioning selected	63%	67%
Average trip distance (mi)	9	55

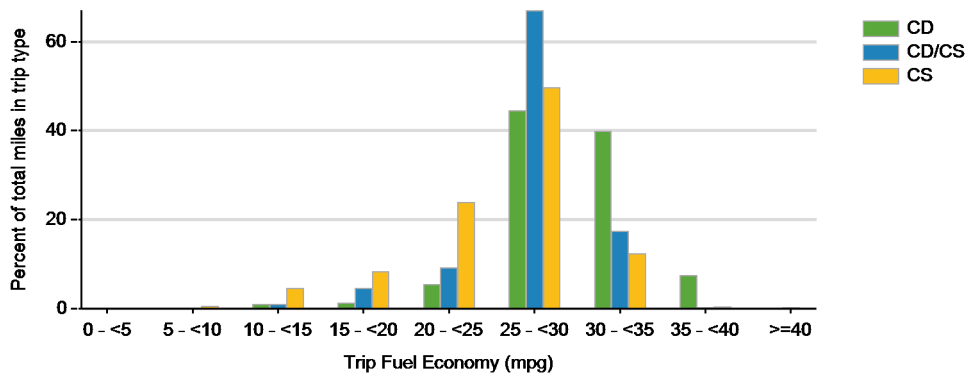
**Trips in Charge Sustaining (CS) mode**

Gasoline fuel economy (mpg)	21	27
Percent of miles with internal combustion engine off	12%	1%
Average trip Agressiveness	5.7	2.8
Percent of miles with air conditioning selected	81%	81%
Average trip distance (mi)	7	50

**Effect of Driving Aggressiveness on Fuel Economy<sup>8</sup>**



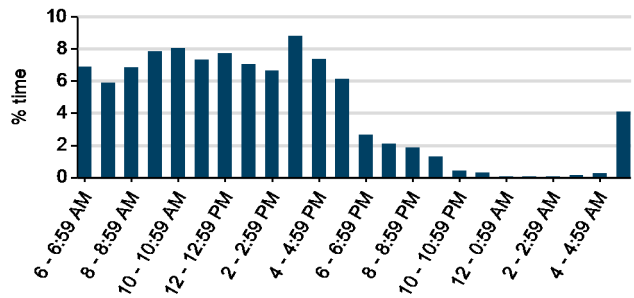
**Trip Fuel Economy Distribution By Trip Type**



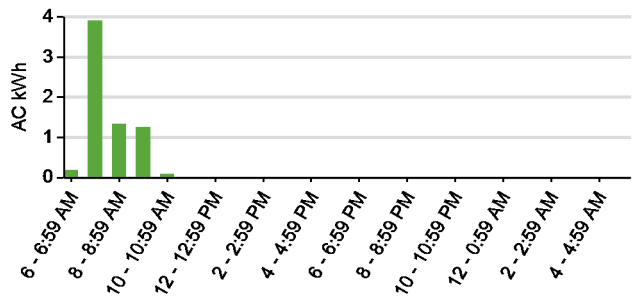
Plug-in charging

Average number of charging events per vehicle per month when driven	0.04
Average number of charging events per vehicle per day when driven	0.00
Average distance driven between charging events (mi)	22,475.30
Average number of trips between charging events	1,579.00
Average time charging per charging event (hr)	3.11
Average energy per charging event (AC kWh)	6.76
Average charging energy per vehicle per month (AC kWh)	0.29
Total number of charging events	1
Number of charging events at Level 1   Level 2	0   1
Total charging energy consumed (AC kWh)	7
Charging energy consumed at Level 1   Level 2 (AC kWh)	7
Percent of total charging energy from Level 1   Level 2	100%
Average time to charge from 20% to 100% SOC (hrs) Level 1   Level 2 <sup>9</sup>	5.20

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

