

## 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) <sup>1</sup>           | 181    |
| Overall DC electrical energy consumption (DC Wh/mi) <sup>2</sup>           | 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) mode<sup>3</sup>

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

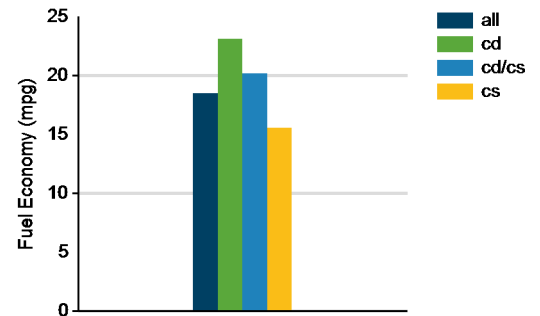
### Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes<sup>5</sup>

|  |               |
|--|---------------|
| Gasoline fuel economy (mpg)                              | 20            |
| DC electrical energy consumption (DC Wh/mi) <sup>6</sup> | 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%      |

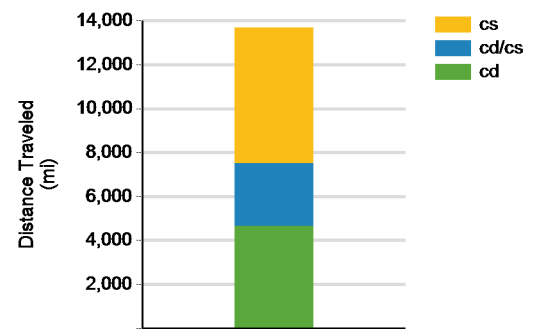
### Trips in Charge Sustaining (CS) mode<sup>7</sup>

|                                    |          |
|------------------------------------|----------|
| 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%      |

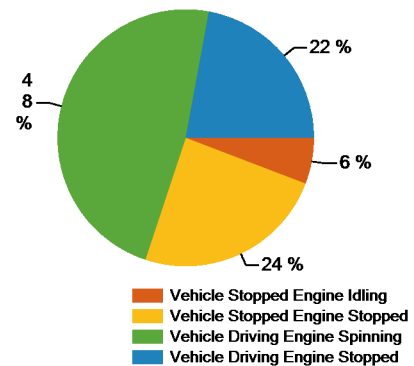
Gasoline Fuel Economy By Trip Type



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      |
| Percent of miles with internal combustion engine off | 23%  | 3%      |
| Percent of miles with air conditioning selected      | 81%  | 74%     |

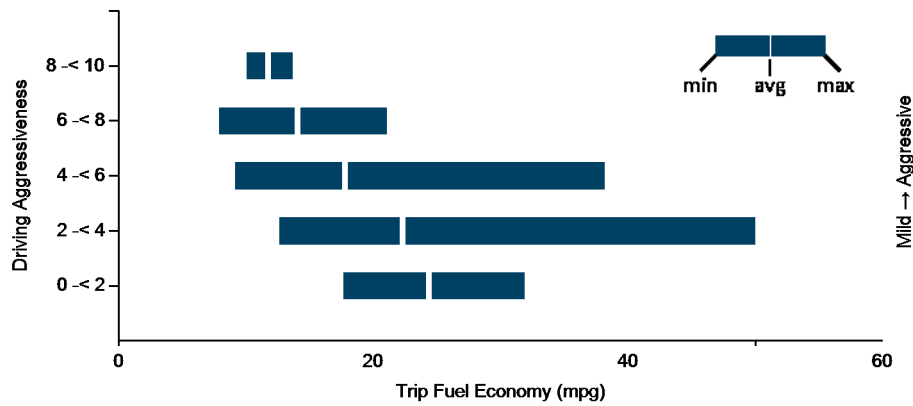
**Trips in Charge Depleting and Charge Sustaining (CD/CS) mode**

|  |     |     |
|--|-----|-----|
| Gasoline fuel economy (mpg)                          | 20  | 21  |
| Percent of miles with internal combustion engine off | 17% | 2%  |
| Percent of miles with air conditioning selected      | 85% | 90% |

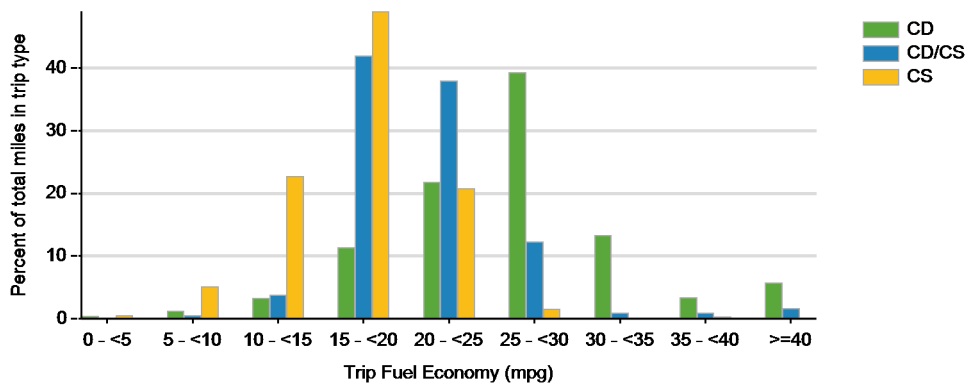
**Trips in Charge Sustaining (CS) mode**

|                             |     |     |
|-----------------------------|-----|-----|
| Gasoline fuel economy (mpg) | 14  | 20  |
| Average trip Agressiveness  | 4.3 | 2.1 |
| Average trip distance (mi)  | 4   | 33  |

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



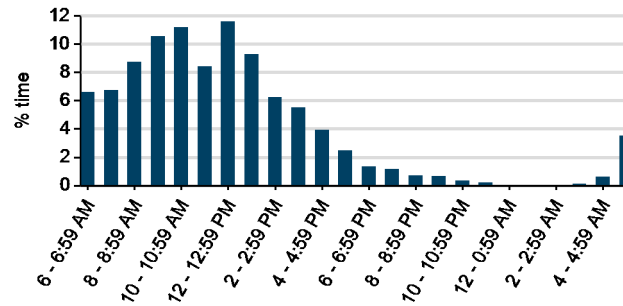
**Trip Fuel Economy Distribution By Trip Type**



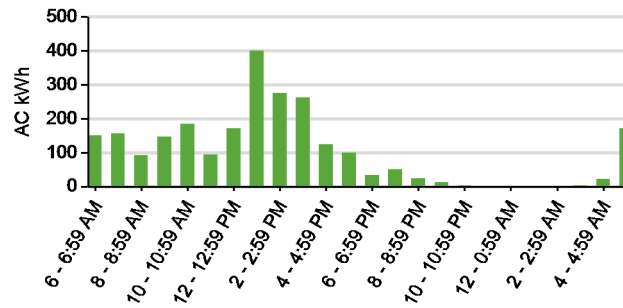
Plug-in charging

|  |       |       |
|--|-------|-------|
| 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 <sup>9</sup> | 42.40 | 2.29  |

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

