Chrysler RAM PHEV Fleet

Number of vehicles: 108
Reporting period: Quarter 3, 2012

All Trips Combined

Overall gasoline fuel economy (mpg) 18
Overall AC electrical energy consumption (AC Wh/mi)² 52
Overall DC electrical energy consumption (DC Wh/mi)² 29
Overall DC electrical energy captured from regenerative braking (DC Wh/mi) 39
Total number of trips 22,071
Total distance traveled (mi) 221,021

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg) 23
DC electrical energy consumption (DC Wh/mi)⁴ 236
Number of trips 4,884
Percent of trips city | highway 94% | 6%
Distance traveled (mi) 24,426
Percent of total distance traveled 11%

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

Gasoline fuel economy (mpg) 21
DC electrical energy consumption (DC Wh/mi)⁶ 59
Number of trips 1,539
Percent of trips city | highway 72% | 28%
Distance traveled CD | CS (mi) 10,093 | 23,135
Percent of total distance traveled CD | CS 5% | 10%

Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg) 17
Number of trips 15,648
Percent of trips city | highway 88% | 12%
Distance traveled (mi) 163,391
Percent of total distance traveled 74%

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 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

<table>
<thead>
<tr>
<th></th>
<th>City</th>
<th>Highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>22</td>
<td>26</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>268</td>
<td>160</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>14%</td>
<td>3%</td>
</tr>
<tr>
<td>Average trip Agressiveness</td>
<td>6</td>
<td>3.6</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>4</td>
<td>27</td>
</tr>
</tbody>
</table>

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

<p>| | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>19</td>
<td>21</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>87</td>
<td>43</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>10%</td>
<td>2%</td>
</tr>
<tr>
<td>Average trip Agressiveness</td>
<td>5.3</td>
<td>2.8</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>11</td>
<td>49</td>
</tr>
</tbody>
</table>

### Trips in Charge Sustaining (CS) mode

<p>| | | |</p>
<table>
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<td>2%</td>
</tr>
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<td>Average trip Agressiveness</td>
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<td>2.8</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>6</td>
<td>43</td>
</tr>
</tbody>
</table>

### Effect of Driving Aggressiveness on Fuel Economy

![Effect of Driving Aggressiveness on Fuel Economy](chart)

### Trip Fuel Economy Distribution By Trip Type

![Trip Fuel Economy Distribution By Trip Type](chart)
Plug-in charging

- Average number of charging events per vehicle per month when driven: 6.60
- Average number of charging events per vehicle per day when driven: 0.48
- Average distance driven between charging events (mi): 113.46
- Average number of trips between charging events: 11.33
- Average time charging per charging event (hr): 2.52
- Average energy per charging event (AC kWh): 5.94
- Average charging energy per vehicle per month (AC kWh): 39.22
- Total number of charging events: 1,948
- Number of charging events at Level 1 | Level 2: 501 | 1,415
- Total charging energy consumed (AC kWh): 11,571
- Charging energy consumed at Level 1 | Level 2 (AC kWh): 2,498 | 9,066
- Percent of total charging energy from Level 1 | Level 2: 22% | 78%
- Average time to charge from 20% to 100% SOC (hrs) Level 1 | Level 2: 14.00 | 3.43