Chrysler RAM PHEV Fleet

Number of vehicles: 99  Date range of data received: 1/1/2012 to 1/31/2012
Reporting period: January 2012  Number of vehicle days driven: 1796

All Trips Combined

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall gasoline fuel economy (mpg)</td>
<td>19</td>
</tr>
<tr>
<td>Overall AC electrical energy consumption (AC Wh/mi)¹</td>
<td>118</td>
</tr>
<tr>
<td>Overall DC electrical energy consumption (DC Wh/mi)²</td>
<td>74</td>
</tr>
<tr>
<td>Overall DC electrical energy captured from regenerative braking (DC Wh/mi)</td>
<td>45</td>
</tr>
<tr>
<td>Total number of trips</td>
<td>11,462</td>
</tr>
<tr>
<td>Total distance traveled (mi)</td>
<td>103,803</td>
</tr>
</tbody>
</table>

Trips in Charge Depleting (CD) mode³

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>23</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)⁴</td>
<td>209</td>
</tr>
<tr>
<td>Number of trips</td>
<td>5,093</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled (mi)</td>
<td>28,217</td>
</tr>
<tr>
<td>Percent of total distance traveled</td>
<td>27%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>20</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)⁶</td>
<td>66</td>
</tr>
<tr>
<td>Number of trips</td>
<td>1,562</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled CD</td>
<td>CS (mi)</td>
</tr>
<tr>
<td>Percent of total distance traveled CD</td>
<td>CS</td>
</tr>
</tbody>
</table>

Trips in Charge Sustaining (CS) mode⁷

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>17</td>
</tr>
<tr>
<td>Number of trips</td>
<td>4,807</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled (mi)</td>
<td>46,344</td>
</tr>
<tr>
<td>Percent of total distance traveled</td>
<td>45%</td>
</tr>
</tbody>
</table>

Notes: 1. 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.
## VEHICLE TECHNOLOGIES PROGRAM

### 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>222</td>
<td>165</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>15%</td>
<td>3%</td>
</tr>
<tr>
<td>Average trip Agressiveness</td>
<td>6.1</td>
<td>3.6</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>81%</td>
<td>92%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>4</td>
<td>23</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>CD/CS</th>
<th>CS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>19</td>
<td>16</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>74</td>
<td>60</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>11%</td>
<td>2%</td>
</tr>
<tr>
<td>Average trip Agressiveness</td>
<td>5.5</td>
<td>5.8</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>87%</td>
<td>86%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>11</td>
<td>6</td>
</tr>
</tbody>
</table>

### Trips in Charge Sustaining (CS) mode

<table>
<thead>
<tr>
<th></th>
<th>CS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>16</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>11%</td>
</tr>
<tr>
<td>Average trip Agressiveness</td>
<td>5.8</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>86%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>6</td>
</tr>
</tbody>
</table>

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### Effect of Driving Agressiveness on Fuel Economy

![Effect of Driving Agressiveness on Fuel Economy](image)

### Trip Fuel Economy Distribution By Trip Type

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average number of charging events per vehicle per month when driven</td>
<td>17.18</td>
</tr>
<tr>
<td>Average number of charging events per vehicle per day when driven</td>
<td>0.95</td>
</tr>
<tr>
<td>Average distance driven between charging events (mi)</td>
<td>61.02</td>
</tr>
<tr>
<td>Average number of trips between charging events</td>
<td>6.74</td>
</tr>
<tr>
<td>Average time charging per charging event (hr)</td>
<td>2.68</td>
</tr>
<tr>
<td>Average energy per charging event (AC kWh)</td>
<td>7.17</td>
</tr>
<tr>
<td>Average charging energy per vehicle per month (AC kWh)</td>
<td>123.22</td>
</tr>
<tr>
<td>Total number of charging events</td>
<td>1,701</td>
</tr>
<tr>
<td>Number of charging events at Level 1</td>
<td>463</td>
</tr>
<tr>
<td>Number of charging events at Level 2</td>
<td>1,224</td>
</tr>
<tr>
<td>Total charging energy consumed (AC kWh)</td>
<td>12,199</td>
</tr>
<tr>
<td>Charging energy consumed at Level 1 (AC kWh)</td>
<td>4,295</td>
</tr>
<tr>
<td>Charging energy consumed at Level 2 (AC kWh)</td>
<td>7,903</td>
</tr>
<tr>
<td>Percent of total charging energy from Level 1</td>
<td>35%</td>
</tr>
<tr>
<td>Percent of total charging energy from Level 2</td>
<td>65%</td>
</tr>
<tr>
<td>Average time to charge from 20% to 100% SOC (hrs) Level 1</td>
<td>11.60</td>
</tr>
<tr>
<td>Average time to charge from 20% to 100% SOC (hrs) Level 2</td>
<td>2.88</td>
</tr>
</tbody>
</table>

Time of Day When Driving

Time of Day When Charging

Time of Day When Plugging In