Chrysler Town & Country PHEV Fleet

Number of vehicles: 23  Date range of data received: 7/1/2012 to 9/28/2012
Reporting period: Q3, 2012  Number of vehicle days driven: 1095

All Trips Combined

Overall gasoline fuel economy (mpg) 26
Overall AC electrical energy consumption (AC Wh/mi) ³ 33
Overall DC electrical energy consumption (DC Wh/mi) ² 26
Overall DC electrical energy captured from regenerative braking (DC Wh/mi) 27
Total number of trips 6,332
Total distance traveled (mi) 79,728

Trips in Charge Depleting (CD) mode ³

Gasoline fuel economy (mpg) 34
DC electrical energy consumption (DC Wh/mi) ⁴ 181
Number of trips 1,557
Percent of trips city | highway 92% | 8%
Distance traveled (mi) 10,160
Percent of total distance traveled 13%

Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes ⁵

Gasoline fuel economy (mpg) 27
DC electrical energy consumption (DC Wh/mi) ⁶ 23
Number of trips 915
Percent of trips city | highway 71% | 29%
Distance traveled CD | CS (mi) 3,387 | 17,106
Percent of total distance traveled CD | CS 4% | 21%

Trips in Charge Sustaining (CS) mode ⁷

Gasoline fuel economy (mpg) 24
Number of trips 3,860
Percent of trips city | highway 87% | 13%
Distance traveled (mi) 49,076
Percent of total distance traveled 62%

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

<table>
<thead>
<tr>
<th></th>
<th>City</th>
<th>Highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>33</td>
<td>36</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>207</td>
<td>123</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>13%</td>
<td>2%</td>
</tr>
<tr>
<td>Average trip Aggressiveness</td>
<td>5.6</td>
<td>3.3</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>87%</td>
<td>75%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>5</td>
<td>25</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>City</th>
<th>Highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>24</td>
<td>29</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>43</td>
<td>14</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>9%</td>
<td>1%</td>
</tr>
<tr>
<td>Average trip Aggressiveness</td>
<td>5.4</td>
<td>2.8</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>75%</td>
<td>80%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>10</td>
<td>52</td>
</tr>
</tbody>
</table>

### Trips in Charge Sustaining (CS) mode

<table>
<thead>
<tr>
<th></th>
<th>City</th>
<th>Highway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>21</td>
<td>27</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>11%</td>
<td>1%</td>
</tr>
<tr>
<td>Average trip Aggressiveness</td>
<td>5.5</td>
<td>2.7</td>
</tr>
<tr>
<td>Percent of miles with air conditioning selected</td>
<td>82%</td>
<td>88%</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>7</td>
<td>52</td>
</tr>
</tbody>
</table>

---

**Effect of Driving Aggressiveness on Fuel Economy**

- Min: 0 - 2
- Avg: 2 - 4
- Max: 4 - 6

**Trip Fuel Economy Distribution By Trip Type**

- CD
- CD/CS
- CS
Plug-in charging

Average number of charging events per vehicle per month when driven: 6.91
Average number of charging events per vehicle per day when driven: 0.44
Average distance driven between charging events (mi): 167.15
Average number of trips between charging events: 13.27
Average time charging per charging event (hr): 1.83
Average energy per charging event (AC kWh): 5.52
Average charging energy per vehicle per month (AC kWh): 38.18
Total number of charging events: 477

Number of charging events at Level 1 | Level 2: 15 | 461
Total charging energy consumed (AC kWh): 2,635
Charging energy consumed at Level 1 | Level 2 (AC kWh): 58 | 2,577
Percent of total charging energy from Level 1 | Level 2: 2% | 98%
Average time to charge from 20% to 100% SOC (hrs) Level 1 | Level 2: 11.81 | 3.54

Time of Day When Driving

Time of Day When Charging

Time of Day When Plugging In