Ford Escape Advanced Research Fleet

Number of vehicles: 21  Date range of data received: 05/01/2010 to 05/31/2010
Reporting period: May 2010  Number of vehicle days driven: 371

All Trips Combined

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall gasoline fuel economy (mpg)</td>
<td>40</td>
</tr>
<tr>
<td>Overall AC electrical energy consumption (AC Wh/mi)</td>
<td>93</td>
</tr>
<tr>
<td>Overall DC electrical energy consumption (DC Wh/mi)</td>
<td>65</td>
</tr>
<tr>
<td>Total number of trips</td>
<td>1,811</td>
</tr>
<tr>
<td>Total distance traveled (mi)</td>
<td>24,662</td>
</tr>
</tbody>
</table>

Trips in Charge Depleting (CD) mode³

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>67</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)⁴</td>
<td>181</td>
</tr>
<tr>
<td>Number of trips</td>
<td>1,062</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled (mi)</td>
<td>6,249</td>
</tr>
<tr>
<td>Percent of total distance traveled</td>
<td>25%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>38</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)⁶</td>
<td>45</td>
</tr>
<tr>
<td>Number of trips</td>
<td>365</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled (mi)</td>
<td>11,048</td>
</tr>
<tr>
<td>Percent of total distance traveled</td>
<td>45%</td>
</tr>
</tbody>
</table>

Trips in Charge Sustaining (CS) mode⁷

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline fuel economy (mpg)</td>
<td>33</td>
</tr>
<tr>
<td>Number of trips</td>
<td>384</td>
</tr>
<tr>
<td>Percent of trips city</td>
<td>highway</td>
</tr>
<tr>
<td>Distance traveled (mi)</td>
<td>7,364</td>
</tr>
<tr>
<td>Percent of total distance traveled</td>
<td>30%</td>
</tr>
</tbody>
</table>


Since these vehicles are flex-fuel capable, some driving events are conducted with E-85, which may decrease fuel economy results.

"The Ford Escape Advanced Research Fleet was designed as a demonstration of customer duty cycles related to plug-in electric vehicles. The vehicles used in this demonstration have not been optimized to provide the 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>66</td>
<td>69</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>177</td>
<td>184</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>45%</td>
<td>18%</td>
</tr>
<tr>
<td>Average trip driving intensity (Wh/mi)</td>
<td>267</td>
<td>306</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>3</td>
<td>17</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>49</td>
<td>37</td>
</tr>
<tr>
<td>DC electrical energy consumption (DC Wh/mi)</td>
<td>77</td>
<td>42</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>34%</td>
<td>5%</td>
</tr>
<tr>
<td>Average trip driving intensity (Wh/mi)</td>
<td>280</td>
<td>327</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>8</td>
<td>41</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>34</td>
<td>32</td>
</tr>
<tr>
<td>Percent of miles with internal combustion engine off</td>
<td>24%</td>
<td>4%</td>
</tr>
<tr>
<td>Average trip driving intensity (Wh/mi)</td>
<td>264</td>
<td>326</td>
</tr>
<tr>
<td>Average trip distance (mi)</td>
<td>4</td>
<td>41</td>
</tr>
</tbody>
</table>
## 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>65</td>
</tr>
<tr>
<td>Average number of charging events per vehicle per day when driven</td>
<td>3.5</td>
</tr>
<tr>
<td>Average distance driven between charging events (mi)</td>
<td>19.1</td>
</tr>
<tr>
<td>Average number of trips between charging events</td>
<td>1.4</td>
</tr>
<tr>
<td>Average time plugged in per charging event (hr)</td>
<td>5.1</td>
</tr>
<tr>
<td>Average time charging per charging event (hr)</td>
<td>1.2</td>
</tr>
<tr>
<td>Average energy per charging event (AC kWh)</td>
<td>1.8</td>
</tr>
<tr>
<td>Average charging energy per vehicle per month (AC kWh)</td>
<td>114.4</td>
</tr>
<tr>
<td>Total number of charging events</td>
<td>1,291</td>
</tr>
<tr>
<td>Total charging energy (AC kWh)</td>
<td>2,288</td>
</tr>
</tbody>
</table>

**Time of Day When Driving**

![Graph showing time of day when driving]

**Time of Day When Charging**

![Graph showing time of day when charging]

**Time of Day When Plugging In**

![Graph showing time of day when plugging in]