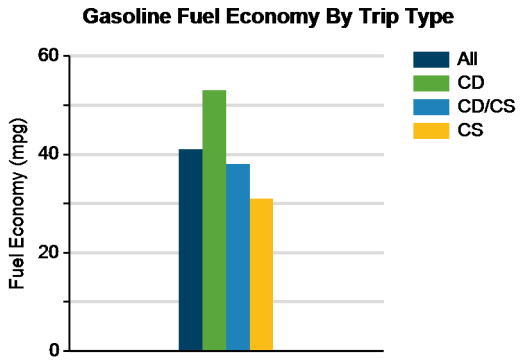
Ford Escape Advanced Research Fleet

Number of vehicles:	19	Date range of data received:	05/01/2012 to 05/31/2012
Reporting period:	May 2012	Number of vehicle days driven:	242

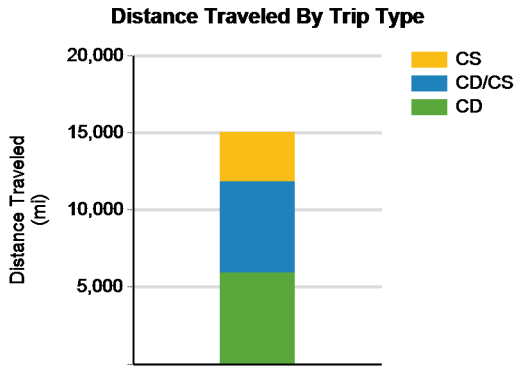
All Trips Combined

Overall gasoline fuel economy (mpg)	41
Overall AC electrical energy consumption (AC Wh/mi)[1]	124
Overall DC electrical energy consumption (DC Wh/mi)[2]	87
Total number of trips	1,325
Total distance traveled (mi)	15,061



Trips in Charge Depleting (CD) mode[3]

Gasoline fuel economy (mpg)	53
DC electrical energy consumption (DC Wh/mi)[4]	164
Number of trips	921
Percent of trips city | highway	81% | 19%
Distance traveled (mi)	5,925
Percent of total distance traveled	39%



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

Gasoline fuel economy (mpg)	38
DC electrical energy consumption (DC Wh/mi)[6]	62
Number of trips	213
Percent of trips city | highway	31% | 70%
Distance traveled (mi)	5,938
Percent of total distance traveled	39%

Trips in Charge Sustaining (CS) mode[7]

Gasoline fuel economy (mpg)	31
Number of trips	190
Percent of trips city | highway	63% | 37%
Distance traveled (mi)	3,198
Percent of total distance traveled	21%

Notes: 1 - 7. Please see http://avt.inl.gov/pdf/phev/fordreportnotes.pdf for an explanation of all PHEV Fleet Testing Report notes.

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

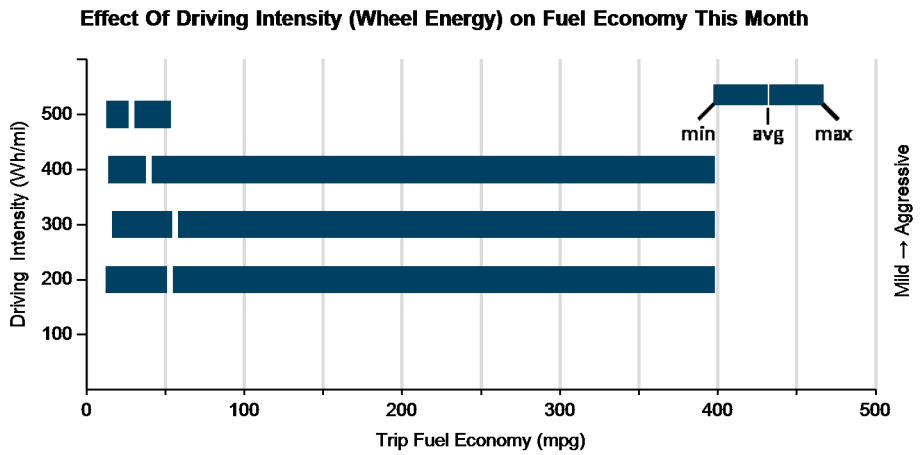
	City	Highway
Gasoline fuel economy (mpg)	49	58
DC electrical energy consumption (DC Wh/mi)	153	175
Percent of miles with internal combustion engine off	36%	8%
Average trip driving intensity (Wh/mi)	283	336
Average trip distance (mi)	4	17

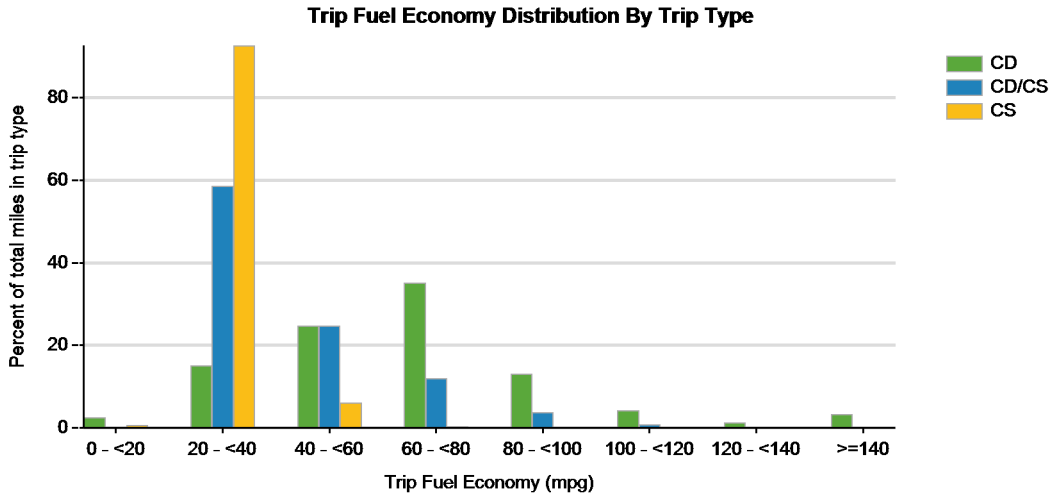
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

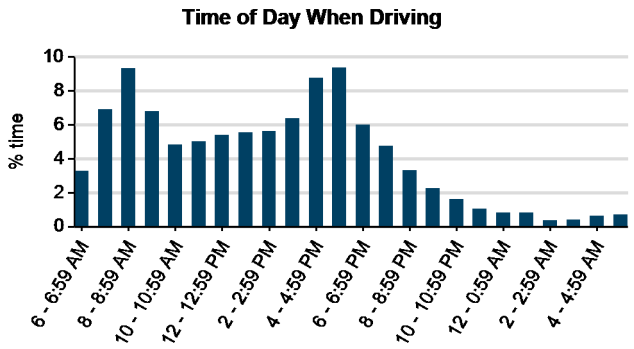
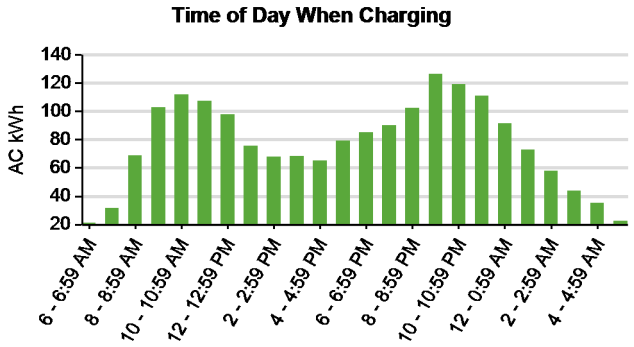
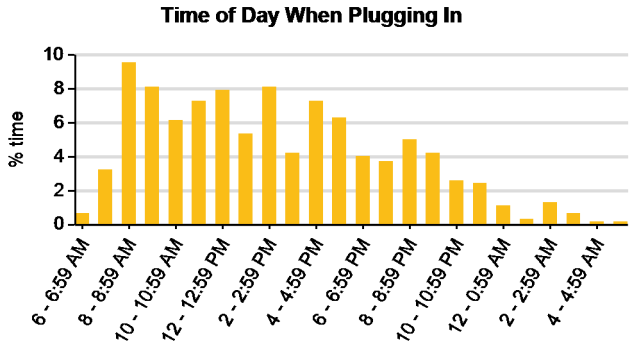
Gasoline fuel economy (mpg)	54	37
DC electrical energy consumption (DC Wh/mi)	100	55
Percent of miles with internal combustion engine off	32%	5%
Average trip driving intensity (Wh/mi)	279	349
Average trip distance (mi)	13	34

Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	32	31
Percent of miles with internal combustion engine off	23%	5%
Average trip driving intensity (Wh/mi)	286	347
Average trip distance (mi)	4	39





Plug-in charging

Average number of charging events per vehicle per month when driven	34
Average number of charging events per vehicle per day when driven	2.6
Average distance driven between charging events (mi)	24.4
Average number of trips between charging events	2.1
Average time plugged in per charging event (hr)	5.8
Average time charging per charging event (hr)	2.1
Average energy per charging event (AC kWh)	3.0
Average charging energy per vehicle per month (AC kWh)	103.8
Total number of charging events	617
Total charging energy (AC kWh)	1,868