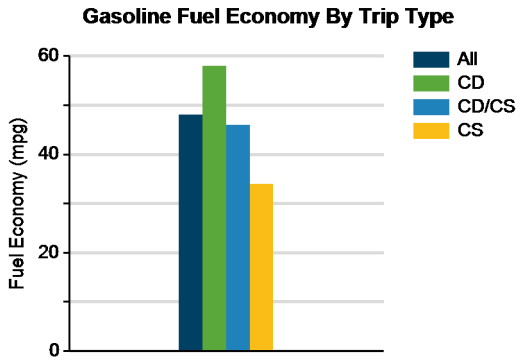
Ford Escape Advanced Research Fleet

Number of vehicles:	18	Date range of data received:	08/01/2012 to 08/31/2012
Reporting period:	August 2012	Number of vehicle days driven:	290

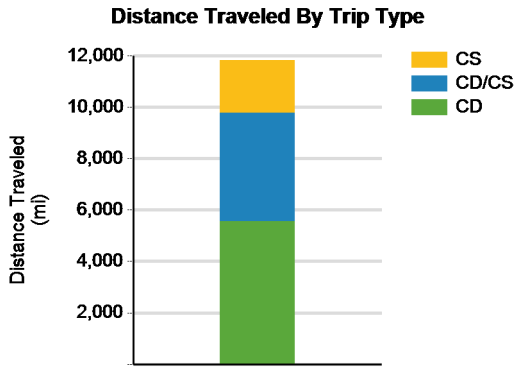
All Trips Combined

Overall gasoline fuel economy (mpg)	48
Overall AC electrical energy consumption (AC Wh/mi)[1]	148
Overall DC electrical energy consumption (DC Wh/mi)[2]	104
Total number of trips	1,212
Total distance traveled (mi)	11,846



Trips in Charge Depleting (CD) mode[3]

Gasoline fuel economy (mpg)	58
DC electrical energy consumption (DC Wh/mi)[4]	160
Number of trips	823
Percent of trips city | highway	81% | 19%
Distance traveled (mi)	5,559
Percent of total distance traveled	47%



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

Gasoline fuel economy (mpg)	46
DC electrical energy consumption (DC Wh/mi)[6]	85
Number of trips	195
Percent of trips city | highway	40% | 61%
Distance traveled (mi)	4,217
Percent of total distance traveled	36%

Trips in Charge Sustaining (CS) mode[7]

Gasoline fuel economy (mpg)	34
Number of trips	194
Percent of trips city | highway	68% | 33%
Distance traveled (mi)	2,070
Percent of total distance traveled	17%

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

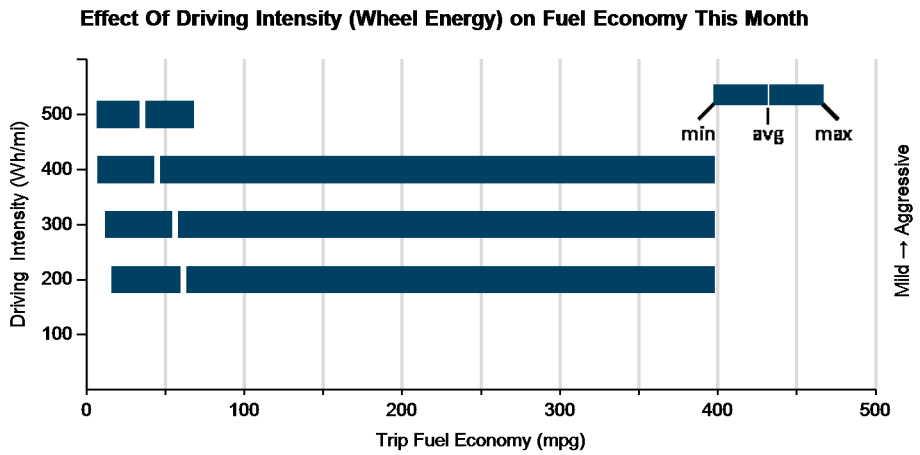
	City	Highway
Gasoline fuel economy (mpg)	54	61
DC electrical energy consumption (DC Wh/mi)	161	159
Percent of miles with internal combustion engine off	38%	11%
Average trip driving intensity (Wh/mi)	270	315
Average trip distance (mi)	4	21

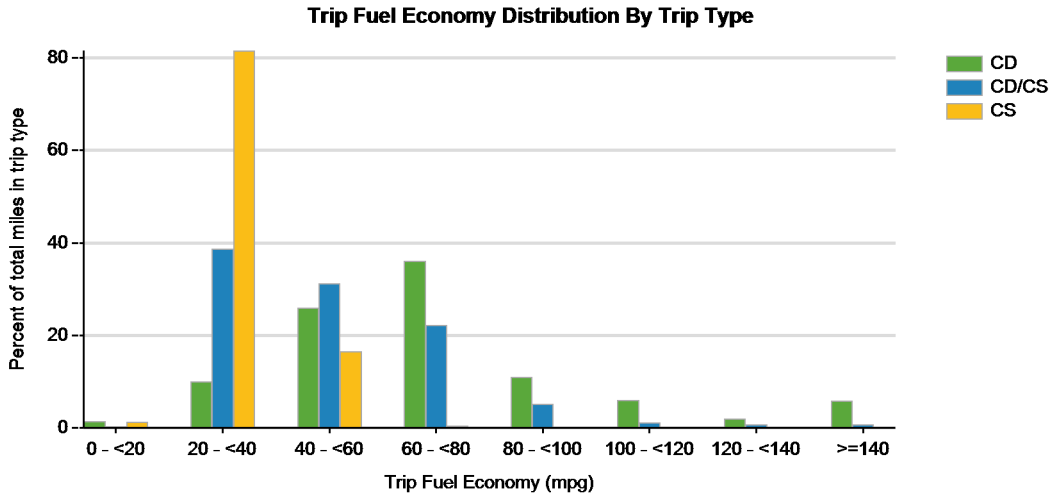
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

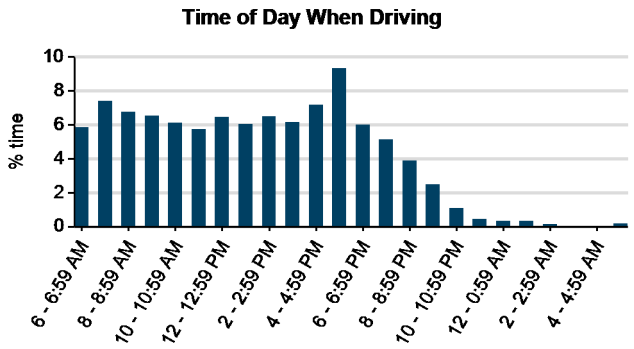
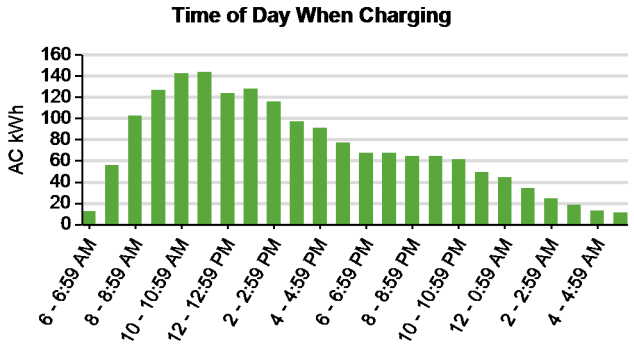
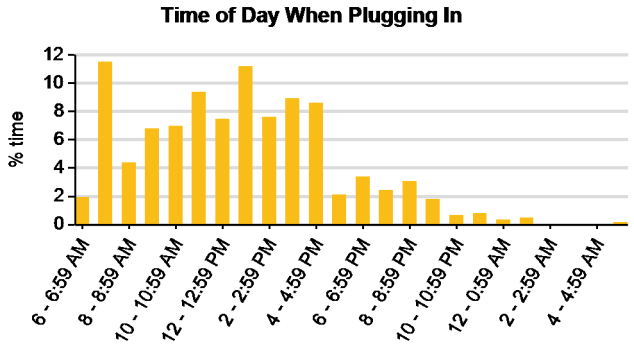
Gasoline fuel economy (mpg)	48	45
DC electrical energy consumption (DC Wh/mi)	90	84
Percent of miles with internal combustion engine off	34%	9%
Average trip driving intensity (Wh/mi)	278	331
Average trip distance (mi)	8	31

Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	32	35
Percent of miles with internal combustion engine off	30%	7%
Average trip driving intensity (Wh/mi)	274	324
Average trip distance (mi)	4	25





Plug-in charging

Average number of charging events per vehicle per month when driven	36
Average number of charging events per vehicle per day when driven	2.1
Average distance driven between charging events (mi)	19.2
Average number of trips between charging events	2.0
Average time plugged in per charging event (hr)	6.8
Average time charging per charging event (hr)	2.3
Average energy per charging event (AC kWh)	2.8
Average charging energy per vehicle per month (AC kWh)	103.1
Total number of charging events	617
Total charging energy (AC kWh)	1,752