Ford Escape Advanced Research Fleet

Number of vehicles: 18
Reporting period: July 2011
Date range of data received: 07/01/2011 to 07/31/2011
Number of vehicle days driven: 194

All Trips Combined

Overall gasoline fuel economy (mpg)	42
Overall AC electrical energy consumption (AC Wh/mi)[1]	114
Overall DC electrical energy consumption (DC Wh/mi)[2]	76
Total number of trips	800
Total distance traveled (mi)	9,275

Trips in Charge Depleting (CD) mode[3]

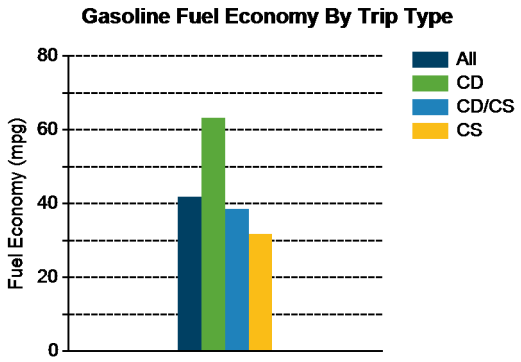
Gasoline fuel economy (mpg)	63
DC electrical energy consumption (DC Wh/mi)[4]	166
Number of trips	519
Percent of trips city | highway	85% | 15%
Distance traveled (mi)	3,183
Percent of total distance traveled	34%

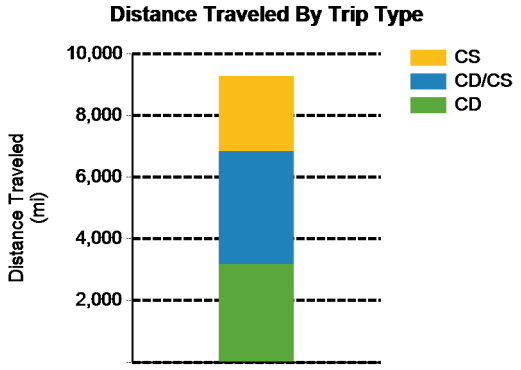
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes[5]

Gasoline fuel economy (mpg)	39
DC electrical energy consumption (DC Wh/mi)[6]	53
Number of trips	150
Percent of trips city | highway	40% | 60%
Distance traveled (mi)	3,666
Percent of total distance traveled	40%

Trips in Charge Sustaining (CS) mode[7]

Gasoline fuel economy (mpg)	32
Number of trips	131
Percent of trips city | highway	65% | 35%
Distance traveled (mi)	2,427
Percent of total distance traveled	26%





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)	64	62
DC electrical energy consumption (DC Wh/mi)	164	170
Percent of miles with internal combustion engine off	47%	11%
Average trip driving intensity (Wh/mi)	258	307
Average trip distance (mi)	4	17

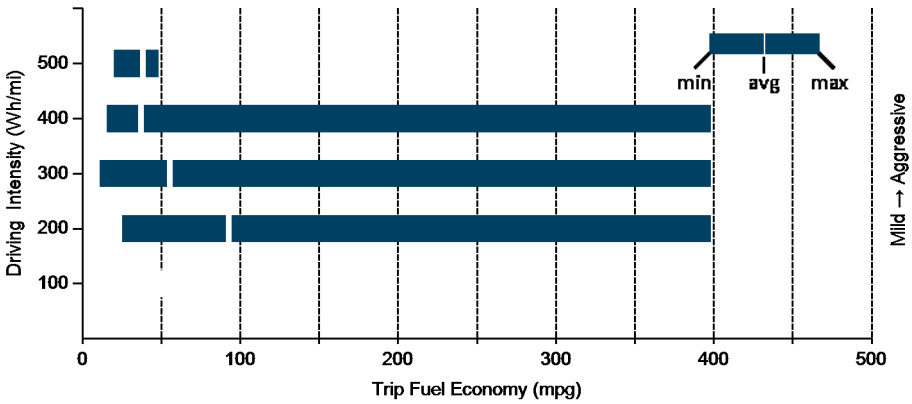
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	41	38
DC electrical energy consumption (DC Wh/mi)	49	54
Percent of miles with internal combustion engine off	24%	5%
Average trip driving intensity (Wh/mi)	269	322
Average trip distance (mi)	10	34

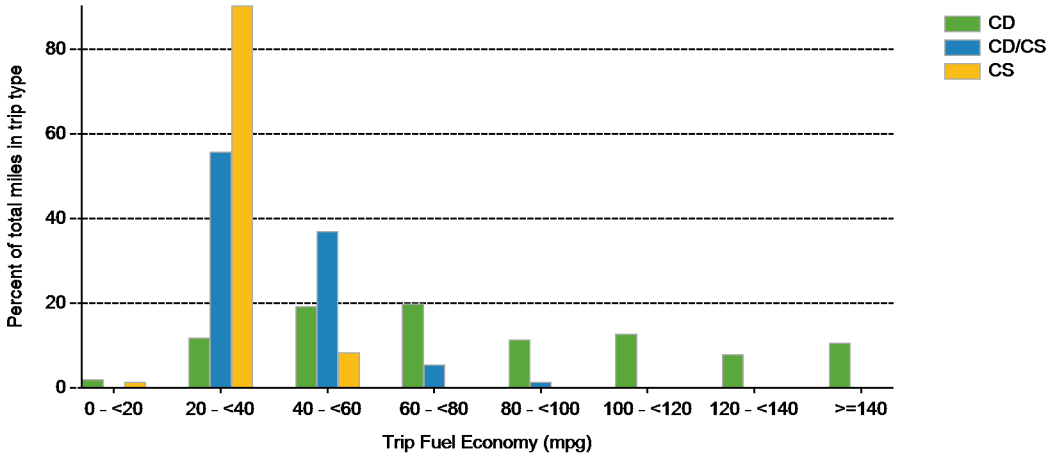
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	31	32
Percent of miles with internal combustion engine off	17%	2%
Average trip driving intensity (Wh/mi)	259	322
Average trip distance (mi)	4	45

Effect Of Driving Intensity (Wheel Energy) on Fuel Economy This Month



Trip Fuel Economy Distribution By Trip Type



Plug-in charging

Average number of charging events per vehicle per month when driven	27
Average number of charging events per vehicle per day when driven	2.4
Average distance driven between charging events (mi)	20.0
Average number of trips between charging events	1.7
Average time plugged in per charging event (hr)	4.4
Average time charging per charging event (hr)	1.7
Average energy per charging event (AC kWh)	2.3
Average charging energy per vehicle per month (AC kWh)	62.1
Total number of charging events	464
Total charging energy (AC kWh)	1,056