

# On-Road Usage and Performance Summary for 2013 Ford Fusion Energi SE VIN 3776

Reporting Period: February 2014 through May 2016

## All Trips<sup>1</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	44
Overall DC electrical energy consumption (DC Wh/mi)	14
Total distance driven (mi)	98,475
Average trip distance (mi)	14
Percent of miles city   highway	45%   55%
Average ambient temperature (deg F)	81.6
Percent of time driven with air conditioning selected	89%

## EV Trips<sup>2</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	N/A
Overall DC electrical energy consumption (DC Wh/mi)	327
Total distance driven (mi)	1,083
Average trip distance (mi)	1.7
Percent of miles city   highway	95%   5%
Average ambient temperature (deg F)	79.0
Percent of time driven with air conditioning selected	86%
Percent of total distance traveled	1%

## Mixed-Mode Trips<sup>3</sup>

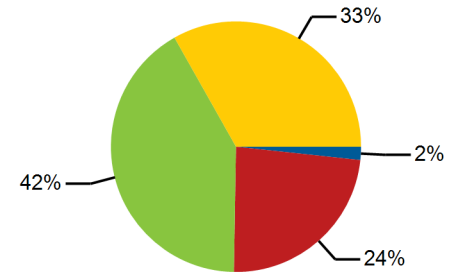
Overall gasoline fuel economy (mpg) <sup>5</sup>	50
Overall DC electrical energy consumption (DC Wh/mi)	69
Total distance driven (mi)	22,952
Average trip distance (mi)	10.3
Percent of miles city   highway	54%   46%
Average ambient temperature (deg F)	81.7
Percent of time driven with air conditioning selected	88%
Percent of total distance traveled	23%

## Charge Sustaining Trips<sup>4</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	42
Overall DC electrical energy consumption (DC Wh/mi)	-7
Total distance driven (mi)	74,439
Average trip distance (mi)	17.7
Percent of miles city   highway	42%   58%
Average ambient temperature (deg F)	81.7
Percent of time driven with air conditioning selected	89%
Percent of total distance traveled	76%

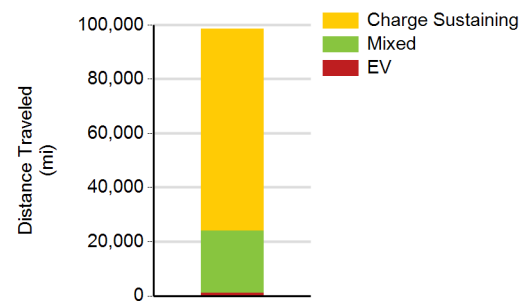


Percent of Drive Time by Operating Mode



- Vehicle Stopped Engine Idling
- Vehicle Stopped Engine Stopped
- Vehicle Driving Engine Spinning
- Vehicle Driving Engine Stopped

Distance Traveled by Trip Type



1. Calculated from on-board electronic data logged over 98,475 miles, which may be a subset of total lifetime miles driven.
2. Trips where the vehicle was propelled by battery energy only, using no gasoline.
3. Trips where gasoline was consumed by the engine, and net electrical energy was consumed from the battery to propel the vehicle.
4. Trips where gasoline was consumed by the engine to propel the vehicle, while the net electrical energy consumed from the battery was less than 1% of the gasoline energy consumed.
5. Gasoline consumption calculated using Mass Air Flow and Commanded or Measured Air-Fuel Ratio read from OBD2 messages assuming  $AFR_{stoich} = 14.7$  and  $\rho_{gasoline} = 2819 \text{ g/gal}$ .