

# On-Road Usage and Performance Summary for 2014 BMW i3 REX VIN 4557

Reporting Period: November 2015 through July 2016

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

Overall gasoline fuel economy (mpg) <sup>5</sup>	94
Overall DC electrical energy consumption (DC Wh/mi)	188
Total distance driven (mi)	4,628
Average trip distance (mi)	9
Percent of miles city   highway	57%   43%
Average ambient temperature (deg F)	73.7
Percent of time driven with air conditioning selected	88%

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

Overall gasoline fuel economy (mpg) <sup>5</sup>	N/A
Overall DC electrical energy consumption (DC Wh/mi)	293
Total distance driven (mi)	2,544
Average trip distance (mi)	7.9
Percent of miles city   highway	60%   40%
Average ambient temperature (deg F)	72.5
Percent of time driven with air conditioning selected	86%
Percent of total distance traveled	55%

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

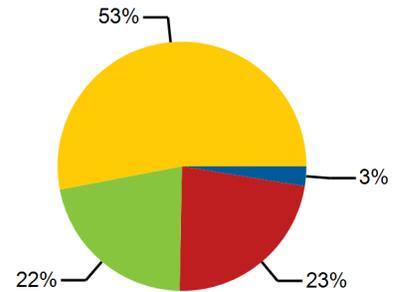
Overall gasoline fuel economy (mpg) <sup>5</sup>	58
Overall DC electrical energy consumption (DC Wh/mi)	133
Total distance driven (mi)	1,090
Average trip distance (mi)	8.3
Percent of miles city   highway	50%   50%
Average ambient temperature (deg F)	77.6
Percent of time driven with air conditioning selected	92%
Percent of total distance traveled	24%

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

Overall gasoline fuel economy (mpg) <sup>5</sup>	33
Overall DC electrical energy consumption (DC Wh/mi)	-19
Total distance driven (mi)	994
Average trip distance (mi)	11.7
Percent of miles city   highway	58%   42%
Average ambient temperature (deg F)	72.6
Percent of time driven with air conditioning selected	90%
Percent of total distance traveled	21%

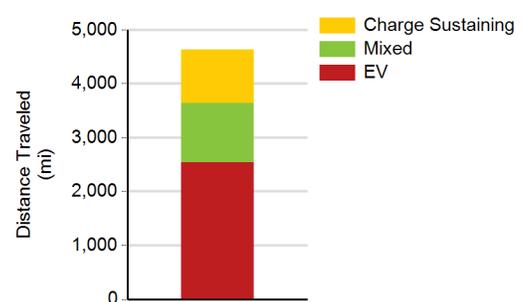


Percent of Drive Time by Operating Mode



- 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 4,628 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  $\rho_{gasoline} = 2819 \text{ g/gal}$ .