

# Chevrolet Volt Vehicle Demonstration

Fleet Summary Report

Reporting period: April 2013 through June 2013

Number of vehicles: 146

Number of vehicle days driven: 7,062

## All operation

Overall gasoline fuel economy (mpg)	68.2
Overall AC electrical energy consumption (AC Wh/mi)	157
Average Trip Distance	12.3
Total distance traveled (mi)	407,245
Average Ambient Temperature (deg F)	67.9

## Electric Vehicle mode operation (EV)

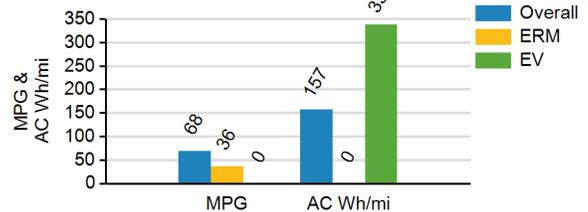
Gasoline fuel economy (mpg)	No Fuel Used
AC electrical energy consumption (AC Wh/mi)	338
Distance traveled (mi)	189,426
Percent of total distance traveled	46.5%
Average driving style efficiency (distance weighted) <sup>1</sup>	82%

## Extended Range mode operation (ERM)

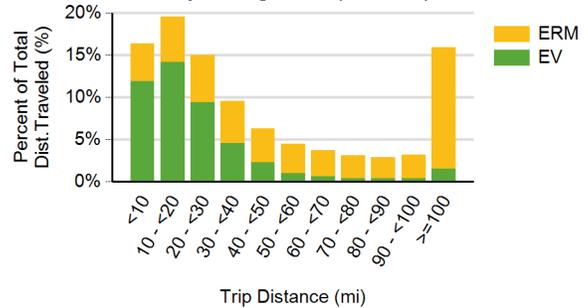
Gasoline fuel economy (mpg)	36.5
AC electrical energy consumption (AC Wh/mi)	No Elec. Used
Distance traveled (mi)	217,819
Percent of total distance traveled	53.5%
Average driving style efficiency (distance weighted) <sup>1</sup>	79%

	City <sup>3</sup>	Highway <sup>3</sup>
Percent of miles in EV operation (%)	65.2%	28.3%
Percent Number of trips	86.5%	13.5%
Average trip distance (mi)	7.0	46.2
Average driving style efficiency (distance weighted) <sup>1</sup>	78%	82%

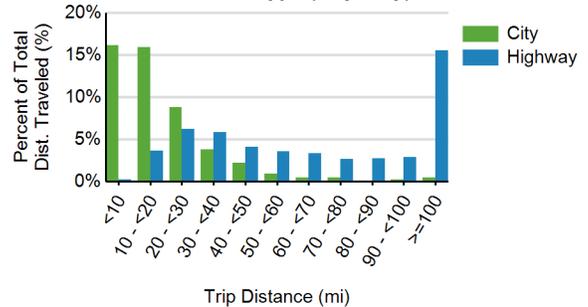
Fuel Economy & Electrical Consumption  
By Operating Mode



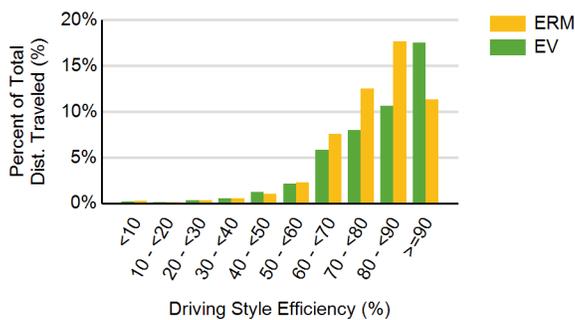
Percent Distance Traveled By  
Operating Mode (EV/ERM)



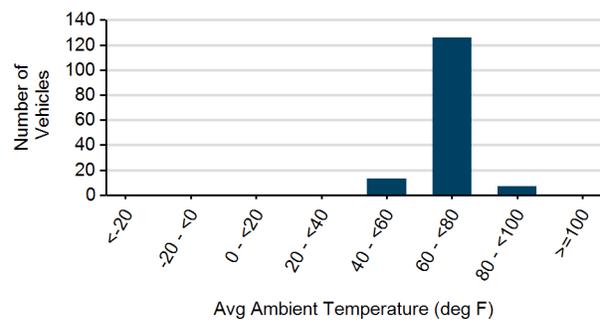
Percent Distance Traveled by  
Route Type (City/Hwy)



Percent Distance Driven for each Driving Style Efficiency



Distribution of Average Ambient Temperature<sup>2</sup>



<sup>1</sup> The energy efficiency over the drive cycle is based on driving style. Driving in a more efficient manner results in a higher percentage for driving style.

<sup>2</sup> Plot shows average ambient temperature during all driving in the reporting period for each vehicle

<sup>3</sup> City / Highway defined per SAE J2841

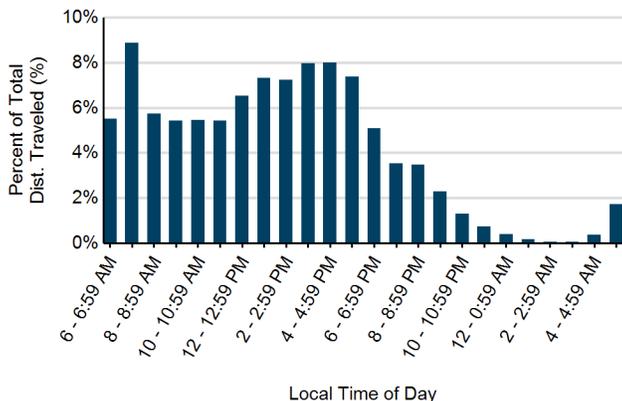
# Chevrolet Volt Vehicle Demonstration (continued)

Reporting period: April 2013 through June 2013

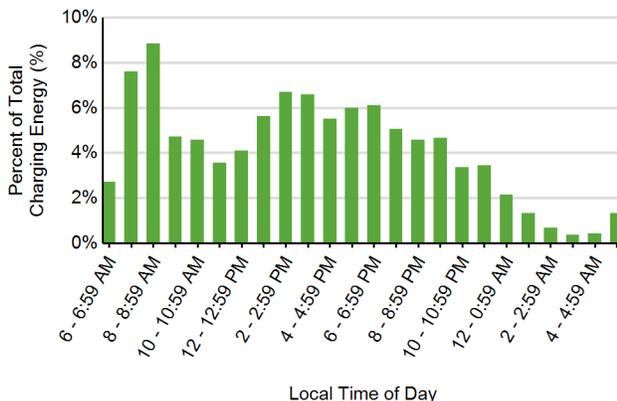
## Charging Information

Average number of charging events per vehicle month*	19
Average number of charging events per vehicle day*	1.1
Average distance between charging events (mi)	50
Average number of trips between charging events	4.1
Average time charging per charging event (hr)	2.8
Average energy per charging event (AC kWh)	7.2
Average charging energy per vehicle month* (AC kWh)	133
Total charging energy (AC kWh)	64,086

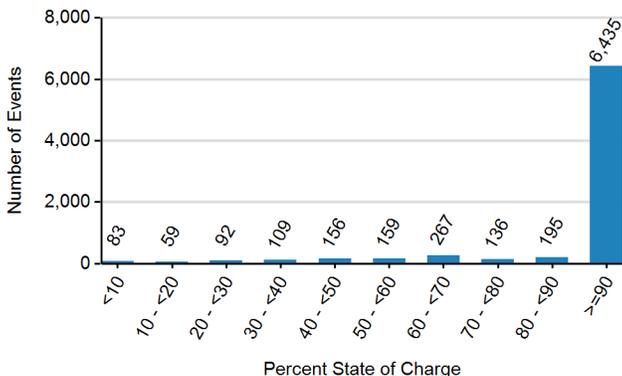
Time of Day When Driving



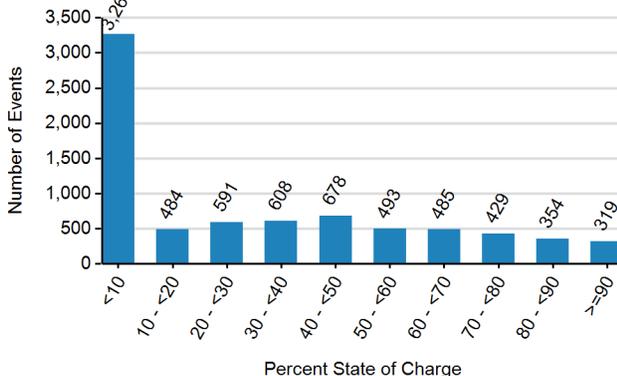
Time of Day When Charging



Battery State of Charge at End of Charging Prior to Driving



Battery State of Charge at End of Drive Prior to Plugging In



\* month or day vehicle is driven