## Chevrolet Volt Vehicle Demonstration

### Fleet Summary Report

U.S. DEPARTMENT OF

Number of vehicles: 145

## Reporting period: October 2012 through December 2012 Number of vehicle days driven: 6,817

All operation	
Overall gasoline fuel economy (mpg)	66.6
Overall AC electrical energy consumption (AC Wh/mi)	171
Average Trip Distance	11.9
Total distance traveled (mi)	370,316
Average Ambient Temperature (deg F)	53.8

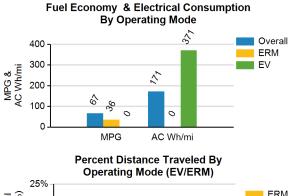
### Electric Vehicle mode operation (EV)

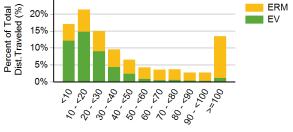
Gasoline fuel economy (mpg)	No Fuel Used
AC electrical energy consumption (AC Wh/mi)	371
Distance traveled (mi)	170,860
Percent of total distance traveled	46.1%
Average driving style efficiency (distance weighted) <sup>1</sup>	75%

### Extended Range mode operation (ERM)

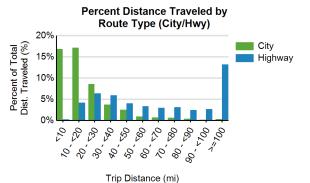
Gasoline fuel economy (mpg)	35.9
AC electrical energy consumption (AC Wh/mi)	No Elec. Used
Distance traveled (mi)	199,456
Percent of total distance traveled	53.9%
Average driving style efficiency (distance weighted) <sup>1</sup>	77%

	City <sup>3</sup>	Highway <sup>3</sup>
Percent of miles in EV operation (%)	63.2%	28.1%
Percent Number of trips	86.7%	13.3%
Average trip distance (mi)	7.1	43.5
Average driving style efficiency (distance weighted) <sup>1</sup>	74%	79%

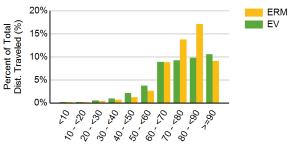




Trip Distance (mi)

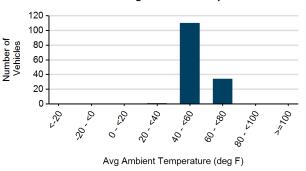


Percent Distance Driven for each Driving Style Efficienc



Driving Style Efficiency (%)

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



1 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.

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

3 City / Highway defined per SAE J2841



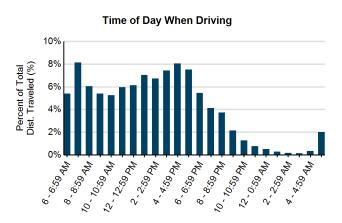
# Chevrolet Volt Vehicle Demonstration (continued)

Reporting period:

October 2012 through December 2012

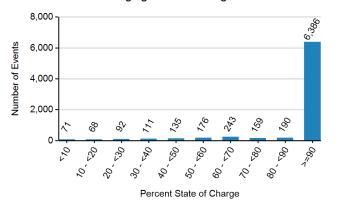
### **Charging Information**

Average number of charging events per vehicle month*	19	
Average number of charging events per vehicle day*	1.2	
Average distance between charging events (mi)	46	
Average number of trips between charging events	3.9	
Average time charging per charging event (hr)	2.9	
Average energy per charging event (AC kWh)	7.3	
Average charging energy per vehicle month* (AC kWh)	137	
Total charging energy (AC kWh)	63,410	



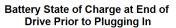
Local Time of Day

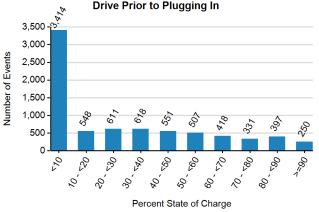
#### Battery State of Charge at End of Charging Prior to Driving



Time of Day When Charging 10% Percent of Total Charging Energy (%) 8% 6% 4% 2% 6.6:59 Mr + 0% 10. 10.50 Au + 15. 15:50 PM 2.2:39 An + B. B. Sg An L 4 Nd 65:2-2 1 Wa 65:0-0 S.S.S. AN L T My OS:01 . 01 1 44 85:0-52 2, 2:59 Mr 1 4 . 4. 50 AM 1

Local Time of Day





\* month or day vehicle is driven

