## EV Project Chevrolet Volt Vehicle Summary Report

Region: ALL
Number of vehicles: 1766
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 126 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 253 |
| Number of trips ${ }^{1}$ | 526,156 |
| Total distance traveled (mi) | $4,369,753$ |
| Avg trip distance (mi) |  |
| Avg distance traveled per day when the vehicle was driven (mi) | 3.2 |
| Avg number of trips between charging events | 39.4 |
| Avg distance traveled between charging events (mi) | 3.4 |
| Avg number of charging events per day when the vehicle was driven | 27.9 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 350 |
| Distance traveled (mi) |  |  | 3,166,649 |
| Percent of total distance traveled |  |  | 72.5\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 34.8 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 1,203,104 |
| Percent of total distance traveled |  |  | 27.5\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 124,954 | 21,973 | 7,718 |
| Percent of all charging events | 81\% | 14\% | 5\% |

Battery State of Charge (SOC) at the Start of Charging Events


## =I/ Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Phoenix, AZ Metropolitan Area
Number of vehicles: 121
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 175 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 242 |
| Number of trips ${ }^{1}$ | 40,193 |
| Total distance traveled (mi) | 314,076 |
| Avg trip distance (mi) ${ }^{2}$ | 7.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 38.2 |
| Avg number of trips between charging events | 3.6 |
| Avg distance traveled between charging events (mi) | 28.1 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 306 |
| Distance traveled (mi) |  |  | 248,177 |
| Percent of total distance traveled |  |  | 79.0\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 36.7 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 65,899 |
| Percent of total distance traveled |  |  | 21.0\% |
| Charging Location | Home charging location | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 9,402 | 1,471 | 149 |
| Percent of all charging events | 85\% | 13\% | 1\% |

## " $=1 /$ Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Los Angeles, CA Metropolitan Area
Number of vehicles: 294
Reporting period: January 2013 through March 2013

## " $=1 /$ Project

## Vehicle Usage

| Overall gasoline fuel economy (mpg) | 139 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 243 |
| Number of trips ${ }^{1}$ | 83,118 |
| Total distance traveled (mi) | 658,044 |
| Avg trip distance (mi) ${ }^{2}$ | 7.8 |
| Avg distance traveled per day when the vehicle was driven (mi) | 38.5 |
| Avg number of trips between charging events | 3.9 |
| Avg distance traveled between charging events (mi) | 30.2 |
| Avg number of charging events per day when the vehicle was driven | 1.3 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 323 |
| Distance traveled (mi) |  |  | 494,575 |
| Percent of total distance traveled |  |  | 75.2\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 34.6 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 163,469 |
| Percent of total distance traveled |  |  | 24.8\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 16,800 | 3,865 | 825 |
| Percent of all charging events | 78\% | 18\% | 4\% |

Battery State of Charge (SOC) at the Start of Charging Events


Percent Distance Traveled By Operating Mode (EV/ERM)


Trip Distance (mi)

Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: San Diego, CA Metropolitan Area
Number of vehicles: 245
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 121 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 234 |
| Number of trips ${ }^{1}$ | 71,748 |
| Total distance traveled (mi) | 594,003 |
| Avg trip distance (mi) ${ }^{2}$ | 8.1 |
| Avg distance traveled per day when the vehicle was driven (mi) | 39.8 |
| Avg number of trips between charging events | 3.8 |
| Avg distance traveled between charging events (mi) | 30.8 |
| Avg number of charging events per day when the vehicle was driven | 1.3 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) | No Fuel Used |  |
| :--- | :--- | ---: |
| AC electrical energy consumption (AC Wh/mi) | 329 |  |
| Distance traveled (mi) | 422,447 |  |
| Percent of total distance traveled | $71.1 \%$ |  |
| Extended Range Mode (ERM) Operation |  |  |
| Gasoline fuel economy (mpg) | No Elec. Used |  |
| AC electrical energy consumption (AC Wh/mi) |  | 171,556 |
| Distance traveled (mi) |  | $28.9 \%$ |
| Percent of total distance traveled |  |  |

Battery State of Charge (SOC) at the Start of Charging Events


## " $=$ I/ Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Washington, D.C. Metropolitan Area
Number of vehicles: 259
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 122 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 269 |
| Number of trips ${ }^{1}$ | 75,088 |
| Total distance traveled (mi) | 659,810 |
| Avg trip distance (mi) |  |
| Avg distance traveled per day when the vehicle was driven (mi) | 3.7 |
| Avg number of trips between charging events | 3.3 |
| Avg distance traveled between charging events (mi) | 26.6 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 376 |
| Distance traveled (mi) |  |  | 472,639 |
| Percent of total distance traveled |  |  | 71.6\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 34.5 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 187,170 |
| Percent of total distance traveled |  |  | 28.4\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 19,757 | 3,436 | 1,285 |
| Percent of all charging events | 81\% | 14\% | 5\% |

Battery State of Charge (SOC) at the Start of Charging Events


## =7/ Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

| Region: Oregon |  |
| :--- | ---: | ---: |
| Number of vehicles: 127 |  |
| Reporting period: January 2013 through March 2013 |  |
| Vehicle Usage | 125 |
| Overall gasoline fuel economy (mpg) | 276 |
| Overall electrical energy consumption (AC Wh/mi) | 37,589 |
| Number of trips ${ }^{1}$ | 298,872 |
| Total distance traveled (mi) | 7.8 |
| Avg trip distance (mi) |  |



1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Chattanooga, TN Metropolitan Area
Number of vehicles: 12
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 81 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 188 |
| Number of trips ${ }^{1}$ | 3,244 |
| Total distance traveled (mi) | 38,368 |
| Avg trip distance (mi) ${ }^{2}$ | 11.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 51.4 |
| Avg number of trips between charging events | 3.7 |
| Avg distance traveled between charging events (mi) | 43.0 |
| Avg number of charging events per day when the vehicle was driven | 1.2 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 336 |
| Distance traveled (mi) |  |  | 21,524 |
| Percent of total distance traveled |  |  | 56.1\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 35.5 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 16,844 |
| Percent of total distance traveled |  |  | 43.9\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 675 | 29 | 181 |
| Percent of all charging events | 76\% | 3\% | 20\% |

Battery State of Charge (SOC) at the Start of Charging Events


## \#\#/ Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Knoxville, TN Metropolitan Area
Number of vehicles: 28
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 120 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 260 |
| Number of trips ${ }^{1}$ | 8,124 |
| Total distance traveled (mi) | 66,660 |
| Avg trip distance (mi) ${ }^{2}$ | 8.1 |
| Avg distance traveled per day when the vehicle was driven (mi) | 38.9 |
| Avg number of trips between charging events | 3.3 |
| Avg distance traveled between charging events (mi) | 27.2 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 368 |
| Distance traveled (mi) |  |  | 47,047 |
| Percent of total distance traveled |  |  | 70.6\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 35.2 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 19,613 |
| Percent of total distance traveled |  |  | 29.4\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 1,745 | 204 | 479 |
| Percent of all charging events | 72\% | 8\% | 20\% |

Battery State of Charge (SOC) at the Start of Charging Events


## \#/VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Memphis, TN Metropolitan Area
Number of vehicles: 29
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 110 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 252 |
| Number of trips ${ }^{1}$ | 9,230 |
| Total distance traveled (mi) | 64,319 |
| Avg trip distance (mi) ${ }^{2}$ | 6.8 |
| Avg distance traveled per day when the vehicle was driven (mi) | 36.0 |
| Avg number of trips between charging events | 4.0 |
| Avg distance traveled between charging events (mi) | 26.9 |
| Avg number of charging events per day when the vehicle was driven | 1.3 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 363 |
| Distance traveled (mi) |  |  | 44,642 |
| Percent of total distance traveled |  |  | 69.4\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 33.6 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 19,677 |
| Percent of total distance traveled |  |  | 30.6\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 1,829 | 155 | 338 |
| Percent of all charging events | 79\% | 7\% | 15\% |

Battery State of Charge (SOC) at the Start of Charging Events


## \#/VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Nashville, TN Metropolitan Area
Number of vehicles: 41
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 117 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 263 |
| Number of trips ${ }^{1}$ | 13,251 |
| Total distance traveled (mi) | 116,515 |
| Avg trip distance (mi) ${ }^{2}$ | 8.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 41.6 |
| Avg number of trips between charging events | 3.2 |
| Avg distance traveled between charging events (mi) | 27.9 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 376 |
| Distance traveled (mi) |  |  | 81,422 |
| Percent of total distance traveled |  |  | 69.9\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 35.3 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 35,094 |
| Percent of total distance traveled |  |  | 30.1\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 3,283 | 698 | 162 |
| Percent of all charging events | 79\% | 17\% | 4\% |

Battery State of Charge (SOC) at the Start of Charging Events


## \#/VProject



Frequency of Charging by Charging Location and Type


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Dallas/Ft. Worth, TX Metropolitan Area
Number of vehicles: 171
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 136 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 243 |
| Number of trips ${ }^{1}$ | 55,258 |
| Total distance traveled (mi) | 461,875 |
| Avg trip distance (mi) ${ }^{2}$ | 8.3 |
| Avg distance traveled per day when the vehicle was driven (mi) | 39.5 |
| Avg number of trips between charging events | 3.2 |
| Avg distance traveled between charging events (mi) | 26.2 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 331 |
| Distance traveled (mi) |  |  | 338,933 |
| Percent of total distance traveled |  |  | 73.4\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 36.2 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 122,943 |
| Percent of total distance traveled |  |  | 26.6\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 14,454 | 2,075 | 889 |
| Percent of all charging events | 83\% | 12\% | 5\% |

Battery State of Charge (SOC) at the Start of Charging Events


## = $=$ /VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Houston, TX Metropolitan Area
Number of vehicles: 72
Reporting period: January 2013 through March 2013

## \#/VProject

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 128 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 223 |
| Number of trips ${ }^{1}$ | 24,995 |
| Total distance traveled (mi) | 224,231 |
| Avg trip distance (mi) ${ }^{2}$ | 8.9 |
| Avg distance traveled per day when the vehicle was driven (mi) | 43.3 |
| Avg number of trips between charging events | 3.5 |
| Avg distance traveled between charging events (mi) | 31.0 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 314 |
| Distance traveled (mi) |  |  | 159,408 |
| Percent of total distance traveled |  |  | 71.1\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 37.1 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 64,823 |
| Percent of total distance traveled |  |  | 28.9\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 5,982 | 817 | 350 |
| Percent of all charging events | 84\% | 11\% | 5\% |

Battery State of Charge (SOC) at the Start of Charging Events


Percent Distance Traveled By Operating Mode (EV/ERM)


Trip Distance (mi)

Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Washington State
Number of vehicles: 155
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 137 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 297 |
| Number of trips ${ }^{1}$ | 47,824 |
| Total distance traveled (mi) | 359,026 |
| Avg trip distance (mi) ${ }^{2}$ | 7.4 |
| Avg distance traveled per day when the vehicle was driven (mi) | 36.1 |
| Avg number of trips between charging events | 3.2 |
| Avg distance traveled between charging events (mi) | 23.7 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 395 |
| Distance traveled (mi) |  |  | 269,798 |
| Percent of total distance traveled |  |  | 75.1\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 34.2 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 89,228 |
| Percent of total distance traveled |  |  | 24.9\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 12,259 | 2,250 | 469 |
| Percent of all charging events | 82\% | 15\% | 3\% |

Battery State of Charge (SOC) at the Start of Charging Events


## \#/VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Chicago, IL Metropolitan Area
Number of vehicles: 98
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 107 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 284 |
| Number of trips ${ }^{1}$ | 22,597 |
| Total distance traveled (mi) | 9.592 |
| Avg trip distance (mi) ${ }^{2}$ | 42.1 |
| Avg distance traveled per day when the vehicle was driven (mi) | 3.0 |
| Avg number of trips between charging events | 26.6 |
| Avg distance traveled between charging events (mi) | 1.6 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 401 |
| Distance traveled (mi) |  |  | 157,431 |
| Percent of total distance traveled |  |  | 70.7\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 31.3 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 65,161 |
| Percent of total distance traveled |  |  | 29.3\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 6,788 | 1,087 | 448 |
| Percent of all charging events | 82\% | 13\% | 5\% |

Battery State of Charge (SOC) at the Start of Charging Events


## =1/VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Atlanta, GA Metropolitan Area
Number of vehicles: 60
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 104 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 230 |
| Number of trips ${ }^{1}$ | 16,015 |
| Total distance traveled (mi) | 155,737 |
| Avg trip distance (mi) ${ }^{2}$ | 9.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 45.0 |
| Avg number of trips between charging events | 3.3 |
| Avg distance traveled between charging events (mi) | 31.6 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |

Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) |  |  | No Fuel Used |
| :---: | :---: | :---: | :---: |
| AC electrical energy consumption (AC Wh/mi) |  |  | 351 |
| Distance traveled (mi) |  |  | 102,126 |
| Percent of total distance traveled |  |  | 65.6\% |
| Extended Range Mode (ERM) Operation |  |  |  |
| Gasoline fuel economy (mpg) |  |  | 35.7 |
| AC electrical energy consumption (AC Wh/mi) |  |  | No Elec. Used |
| Distance traveled (mi) |  |  | 53,611 |
| Percent of total distance traveled |  |  | 34.4\% |
| Charging Location | Home charging location ${ }^{3}$ | Away-from-home charging locations ${ }^{4}$ | Unknown charging locations ${ }^{5}$ |
| Total number of charging events | 3,517 | 719 | 671 |
| Percent of all charging events | 72\% | 15\% | 14\% |

Battery State of Charge (SOC) at the Start of Charging Events


## =1/VProject



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


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2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
5 Charging events at "unknown charging locations" were performed when the vehicle's location relative to its "home charging location" is not known, due to GPS data anomalies.

## EV Project Chevrolet Volt Vehicle Summary Report

Region: Philadelphia, PA Metropolitan Area
Number of vehicles: 46
Reporting period: January 2013 through March 2013

Vehicle Usage

| Overall gasoline fuel economy (mpg) | 89 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 239 |
| Number of trips ${ }^{1}$ | 13,280 |
| Total distance traveled (mi) | 115,679 |
| Avg trip distance (mi) ${ }^{2}$ | 8.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 43.5 |
| Avg number of trips between charging events | 3.5 |
| Avg distance traveled between charging events (mi) | 30.3 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |

## Electric Vehicle Mode (EV) Operation

| Gasoline fuel economy (mpg) | No Fuel Used |  |
| :--- | ---: | ---: |
| AC electrical energy consumption (AC Wh/mi) | 382 |  |
| Distance traveled (mi) | 72,442 |  |
| Percent of total distance traveled | $62.6 \%$ |  |
| Extended Range Mode (ERM) Operation |  |  |
| Gasoline fuel economy (mpg) | No Elec. Used |  |
| AC electrical energy consumption (AC Wh/mi) | 43,237 |  |
| Distance traveled (mi) |  | $37.4 \%$ |
| Percent of total distance traveled |  |  |

## =7/Project



Frequency of Charging by Charging Location and Type


Battery State of Charge (SOC) at the End of Charging Events


1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
2 Averages shown in this report are based on a subset of the total miles traveled.
3 Charging events at the "home charging location" refer to charging events performed at the location where the vehicle owner's home charging unit is installed.
4 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
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