## EV Project Chevrolet Volt Vehicle Summary Report

Region: ALL
Number of vehicles: 408
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 155 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 242 |
| Number of trips ${ }^{1}$ | 147,886 |
| Total distance traveled (mi) | $1,184,265$ |
| Avg trip distance (mi) | 8.0 |
| Avg distance traveled per day when the vehicle was driven (mi) | 39.6 |
| Avg number of trips between charging events | 3.2 |
| Avg distance traveled between charging events (mi) | 26.0 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |

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|  | Home <br> charging | Away-from- <br> home <br> charging | Unknown <br> charging |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | location $^{2}$ | locations $^{3}$ | locations $^{4}$ |

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


Frequency of Charging by Charging Location


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 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.
3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location."
4 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: 22
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 155 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 268 |
| Number of trips ${ }^{1}$ | 8,355 |
| Total distance traveled (mi) | 61,762 |
| Avg trip distance (mi) | 7.4 |
| Avg distance traveled per day when the vehicle was driven (mi) | 36.9 |
| Avg number of trips between charging events | 3.5 |
| Avg distance traveled between charging events (mi) | 25.8 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations $^{4}$ |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 2,102 | 265 | 25 |
| Number of charging events | $88 \%$ | $11 \%$ | $1 \%$ |
| Percent of all charging events |  |  |  |



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 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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: 82
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 133 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 238 |
| Number of trips ${ }^{1}$ | 28,333 |
| Total distance traveled (mi) | 216,809 |
| Avg trip distance (mi) | 7.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 37.9 |
| Avg number of trips between charging events | 3.5 |
| Avg distance traveled between charging events (mi) | 27.1 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations $^{4}$ |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 6,295 | 1,253 | 446 |
| Number of charging events | $79 \%$ | $16 \%$ | $6 \%$ |
| Percent of all charging events |  |  |  |



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 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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: 88
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 175 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 235 |
| Number of trips ${ }^{1}$ | 31,978 |
| Total distance traveled (mi) | 273,045 |
| Avg trip distance (mi) | 8.5 |
| 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) | 27.0 |
| Avg number of charging events per day when the vehicle was driven | 1.5 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations $^{4}$ |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 8,299 | 1,029 | 797 |
| Number of charging events | $82 \%$ | $10 \%$ | $8 \%$ |
| Percent of all charging events |  |  |  |

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

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



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## EV Project Chevrolet Volt Vehicle Summary Report

## Region: Oregon

Number of vehicles: 39
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 160 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 246 |
| Number of trips ${ }^{1}$ | 13,911 |
| Total distance traveled (mi) | 105,290 |
| Avg trip distance (mi) | 7.6 |
| Avg distance traveled per day when the vehicle was driven (mi) | 37.5 |
| Avg number of trips between charging events | 3.1 |
| Avg distance traveled between charging events (mi) | 23.7 |
| Avg number of charging events per day when the vehicle was driven | 1.6 |

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## EV Project Chevrolet Volt Vehicle Summary Report

Region: Nashville, TN Metropolitan Area
Number of vehicles: 11
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 187 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 245 |
| Number of trips ${ }^{1}$ | 4,070 |
| Total distance traveled (mi) | 33,796 |
| Avg trip distance (mi) | 8.3 |
| Avg distance traveled per day when the vehicle was driven (mi) | 39.7 |
| Avg number of trips between charging events | 3.1 |
| Avg distance traveled between charging events (mi) | 25.5 |
| Avg number of charging events per day when the vehicle was driven | 1.6 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 935 | 108 | 284 |
| Number of charging events | $70 \%$ | $8 \%$ | $21 \%$ |
| Percent of all charging events |  |  |  |

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

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 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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: 65
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 158 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 250 |
| Number of trips ${ }^{1}$ | 24,067 |
| Total distance traveled (mi) | 180,305 |
| Avg trip distance (mi) | 7.5 |
| Avg distance traveled per day when the vehicle was driven (mi) | 37.3 |
| Avg number of trips between charging events | 3.1 |
| Avg distance traveled between charging events (mi) | 23.3 |
| Avg number of charging events per day when the vehicle was driven | 1.6 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations $^{4}$ |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 6,105 | 1,217 | 409 |
| Number of charging events | $79 \%$ | $16 \%$ | $5 \%$ |
| Percent of all charging events |  |  |  |

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

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 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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: 45
Reporting period: April 2012 through June 2012

## Vehicle Usage

| Overall fuel economy (mpg) | 132 |
| :--- | ---: |
| Overall electrical energy consumption (AC Wh/mi) | 226 |
| Number of trips ${ }^{1}$ | 16,052 |
| Total distance traveled (mi) | 152,165 |
| Avg trip distance (mi) | 9.5 |
| 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) | 31.3 |
| Avg number of charging events per day when the vehicle was driven | 1.4 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 4,080 | 562 | 227 |
| Number of charging events | $84 \%$ | $12 \%$ | $5 \%$ |
| Percent of all charging events |  |  |  |

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

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



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## EV Project Chevrolet Volt Vehicle Summary Report

## Region: Washington State

Number of vehicles: 34
Reporting period: April 2012 through June 2012

| Vehicle Usage | 225 |
| :--- | ---: |
| Overall fuel economy (mpg) | 263 |
| Overall electrical energy consumption (AC Wh/mi) | 14,089 |
| Number of trips ${ }^{1}$ | 98,047 |
| Total distance traveled (mi) | 7.0 |
| Avg trip distance (mi) | 37.7 |
| Avg distance traveled per day when the vehicle was driven (mi) | 3.1 |
| Avg number of trips between charging events | 21.7 |
| Avg distance traveled between charging events (mi) | 1.7 |



|  | Home <br> charging <br> location $^{2}$ | Away-from- <br> home <br> charging <br> locations $^{3}$ | Unknown <br> charging <br> locations $^{4}$ |
| :--- | :---: | :---: | :---: |
| Charging Location and Type | 3,564 | 684 | 280 |
| Number of charging events | $79 \%$ | $15 \%$ | $6 \%$ |
| Percent of all charging events |  |  |  |

Battery State of Charge (SOC) at the Start 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.
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[^0]:    1 A trip is defined as all the driving done between consecutive "key-on" and "key-off" events when some distance was traveled.
    2 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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.

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    2 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. 3 Charging events at "away-from-home charging locations" refer to charging events performed at any location other than the vehicle's "home charging location." 4 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.

