Report through December 2012

Charging Unit - By Region	Residential	Private Commercia I	Public	Not Specified	Charging Units Installed to Date ¹	Number of Charging Events Performed ²	Electricity Consumed (AC MWh)
Boston Area (Massachusetts and Rhode Island)	34	8	116	-	158	13,968	116.3
D.C. Area (District of Colombia, Maryland, Virginia)	54	30	142	-	226	29,029	190.9
Florida	68	14	262	1	345	29,670	180.7
L.A. Area	567	11	255	4	837	224,382	1,613.5
Michigan	331	9	184	-	524	124,666	846.1
New York Area(Connecticut,New Jersey,New York)	100	72	168	-	340	60,795	449.8
Sacramento/San Francisco Area	520	41	447	7	1,015	227,370	1,625.4
Texas	72	8	239	-	319	33,032	219.1
Washington	17	-	127	-	144	18,083	117.4
Total	1,763	193	1,940	12	3,908	760,995	5,359.2

ChargePoint America Charging Unit Distribution

Project to Date



¹ Includes all charging units that were in use by the end of the reporting period

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period some power is transferred





Report period: October 2012 through December 2012 Region: All

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	1,687	155	1,693	6	3,541
Number of charging events ²	137,188	5,825	58,928	157	202,098
Electricity consumed (AC MWh)	997.98	48.25	422.07	0.98	1,469.27
Percent of time with a vehicle connected	47%	24%	9%	24%	28%
Percent of time with a vehicle drawing power	9%	5%	4%	3%	6%



Charging Unit Utilization



Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage





68 %

Not Specified

Max percentage of charging units connected across all days

- Inner-quartile range of charging units connected across all days
- Median percentage of charging units connected across all days

Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

Note: Weekends start at 6:00am on Saturday and end 6:00am Monday local time





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Residential Electric Vehicle Supply Equipment (EVSE)

Report period: October 2012 through December 2012

Region: All

EVSE Usage	Weekday	Weekend	Overall
Number of charging events ²	99,624	37,564	137,188
Charging energy consumed (AC MWh)	756.9	241.1	998.0
Percent of time with a vehicle connected to EVSE	45.1%	52.0%	47.1%
Percent of time with a vehicle drawing power from EVSE	9.1%	7.2%	8.6%
Average number of charging events started per EVSE per day	0.90	0.85	0.89

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

Note: Weekends start at 6:00am on Saturday and end 6:00am Monday local time





Residential Electric Vehicle Supply Equipment (EVSE)

Report period: October 2012 through December 2012 Region: All

Individual Charging Event Statistics

Individual Charging Event Statistics	Weekday	Weekend	Overall
Average length of time with a vehicle connected per charging event (hr)	12.4	13.8	12.8
Average length of time with a vehicle drawing power per charging event (hr)	2.4	2.1	2.3
Average energy consumed per charging event (AC KWh)	7.60	6.42	7.28

WD

WE



Length of Time Connected Per Charging Event (Hr)

Distribution of Length of Time with a Vehicle Drawing Power per Charging Event



Length of Time With a Vehicle Drawing Power Per Charging Event (Hr)

Distribution of AC Energy Consumed per Charging Event 25% WD WE 20% Percent of Charging Events 15% 10% 5% 043.8 10, riz 1 912 - FI 0% 12. cl A do و[`] ده ▲ 9₁ -----N N N ▲ 9₄ × Electricity Consumed Per Charging Event (KWh)

¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

Note: Weekends start at 6:00am on Saturday and end 6:00am Monday local time





WD

WE

Commercial Electric Vehicle Supply Equipment (EVSE)

Report period: October 2012 through December 2012 Region: All

EVSE Usage	Weekday	Weekend	Overall
Number of charging events ²	5,264	561	5,825
Charging energy consumed (AC MWh)	43.9	4.3	48.2
Percent of time with a vehicle connected to EVSE	25.2%	22.1%	24.3%
Percent of time with a vehicle drawing power from EVSE	6.4%	1.5%	5.0%
Average number of charging events started per EVSE per day	0.55	0.15	0.43

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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Commercial Electric Vehicle Supply Equipment (EVSE)

Report period: October 2012 through December 2012 Region: All

Individual Charging Event Statistics	Weekday	Weekend	Overall
Average length of time with a vehicle connected per charging event (hr)	13.7	11.3	13.5
Average length of time with a vehicle drawing power per charging event (hr)	2.8	2.5	2.8
Average energy consumed per charging event (AC KWh)	8.35	7.70	8.28



Distribution of Length of Time with a Vehicle Drawing Power per Charging Event



Length of Time With a Vehicle Drawing Power Per Charging Event (Hr)

Distribution of AC Energy Consumed per Charging Event



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

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Public Electric Vehicle Supply Equipment (EVSE)

Report period: October 2012 through December 2012 Region: All

EVSE Usage	Weekday	Weekend	Overall
Number of charging events ²	47,984	10,944	58,928
Charging energy consumed (AC MWh)	352.0	70.1	422.1
Percent of time with a vehicle connected to EVSE	10.1%	6.0%	9.0%
Percent of time with a vehicle drawing power from EVSE	4.3%	2.0%	3.7%
Average number of charging events started per EVSE per day	0.45	0.26	0.39

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

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Public Electric Vehicle Supply Equipment (EVSE)

Distribution of Length of Time with a

Report period: October 2012 through December 2012 Region: All

Individual Charging Event Statistics	Weekday	Weekend	Overall
Average length of time with a vehicle connected per charging event (hr)	5.7	4.6	5.5
Average length of time with a vehicle drawing power per charging event (hr)	2.3	1.9	2.2
Average energy consumed per charging event (AC KWh)	7.34	6.40	7.16



Distribution of Length of Time with a Vehicle Drawing Power per Charging Event



Length of Time With a Vehicle Drawing Power Per Charging Event (Hr)

Distribution of AC Energy Consumed per Charging Event



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Report period: October 2012 through December 2012 Region: Boston Area (Massachusetts and Rhode Island)

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	34	7	102	0	143
Number of charging events ²	2,434	286	2,599	0	5,319
Electricity consumed (AC MWh)	23.02	2.51	19.15	0.00	44.68
Percent of time with a vehicle connected	41%	19%	11%	0%	19%
Percent of time with a vehicle drawing power	9%	6%	3%	0%	5%





Charging Unit Utilization



Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

Note: Weekends start at 6:00am on Saturday and end 6:00am Monday local time





Report period: October 2012 through December 2012 Region: D.C. Area (District of Colombia, Maryland, Virginia)

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	52	18	109	0	179
Number of charging events ²	4,024	509	2,431	0	6,964
Electricity consumed (AC MWh)	28.41	3.66	15.35	0.00	47.41
Percent of time with a vehicle connected	48%	30%	9%	0%	23%
Percent of time with a vehicle drawing power	8%	3%	2%	0%	4%









Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







units connected across all days

Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



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Report period: October 2012 through December 2012 Region: Florida

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	66	14	240	1	321
Number of charging events ²	5,952	291	3,716	38	9,997
Electricity consumed (AC MWh)	35.83	2.76	21.20	0.33	60.12
Percent of time with a vehicle connected	48%	10%	2%	8%	12%
Percent of time with a vehicle drawing power	8%	3%	1%	5%	3%





Charging Unit Utilization



Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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Report period: October 2012 through December 2012

Region: L.A. Area

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	543	9	244	3	799
Number of charging events ²	42,789	455	13,884	49	57,177
Electricity consumed (AC MWh)	318.66	3.65	91.04	0.29	413.64
Percent of time with a vehicle connected	43%	12%	8%	15%	32%
Percent of time with a vehicle drawing power	8%	7%	5%	1%	7%







Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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Report period: October 2012 through December 2012 Region: Michigan

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	314	6	164	0	484
Number of charging events ²	27,978	408	4,422	0	32,808
Electricity consumed (AC MWh)	198.24	3.48	29.96	0.00	231.68
Percent of time with a vehicle connected	53%	19%	7%	0%	37%
Percent of time with a vehicle drawing power	10%	9%	3%	0%	7%







Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage





Max percentage of charging units connected across all days Inner-quartile range of charging units connected across all days

Median percentage of charging units connected across all days

Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



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² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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Report period: October 2012 through December 2012 Region: New York Area(Connecticut,New Jersey,New York)

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	94	61	132	0	287
Number of charging events ²	7,998	2,031	2,566	0	12,595
Electricity consumed (AC MWh)	58.12	18.44	23.49	0.00	100.06
Percent of time with a vehicle connected	44%	31%	17%	0%	29%
Percent of time with a vehicle drawing power	8%	5%	3%	0%	5%





Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage





59 %

Not Specified



Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

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Report period: October 2012 through December 2012

Region: Sacramento/San Francisco Area

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	502	32	430	2	966
Number of charging events ²	38,950	1,588	23,266	70	63,874
Electricity consumed (AC MWh)	289.05	11.82	179.18	0.37	480.42
Percent of time with a vehicle connected	48%	23%	14%	58%	32%
Percent of time with a vehicle drawing power	8%	6%	6%	5%	7%







Percentage of Time with a vehicle connected
Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







Min percentage of charging units connected across all days





¹ Includes all charging units that were in use during the reporting period and have reported data to the INL

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Report period: October 2012 through December 2012 Region: Texas

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	66	8	170	0	244
Number of charging events ²	5,532	257	2,272	0	8,061
Electricity consumed (AC MWh)	35.73	1.93	14.79	0.00	52.45
Percent of time with a vehicle connected	49%	12%	2%	0%	16%
Percent of time with a vehicle drawing power	8%	4%	1%	0%	3%





Charging Unit Utilization



Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







Median percentage of charging units connected across all days

Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



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² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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Report period: October 2012 through December 2012 Region: Washington

Charging Unit Usage - By Type	Residential	Private Commercial	Public	Not Specified	Total
Number of charging units ¹	16	0	102	0	118
Number of charging events ²	1,531	0	3,772	0	5,303
Electricity consumed (AC MWh)	10.91	0.00	27.91	0.00	38.82
Percent of time with a vehicle connected	58%	0%	7%	0%	14%
Percent of time with a vehicle drawing power	10%	0%	4%	0%	5%







Percentage of Time with a vehicle drawing power

Charging Availability: Range of Charging Units with a Vehicle Connected versus Time of Day Percentage







units connected across all days

Min percentage of charging units connected across all days

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day



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² A charging event is defined as the period when a vehicle is connected to a charging unit, during which period power is transferred

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