

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: ALL

Report period: January 2013 through March 2013

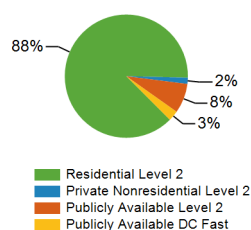
Number of EV Project vehicles in region: 6006



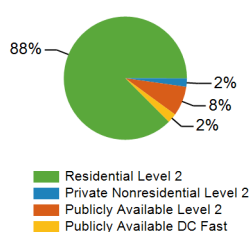
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	6,031	189	2,288	72	8,580
Number of charging events ²	440,480	8,160	39,046	13,507	501,193
Electricity consumed (AC MWh)	3,624.03	91.64	322.53	102.00	4,140.19
Percent of time with a vehicle connected to charging unit	44%	19%	4%	3%	32%
Percent of time with a vehicle drawing power from charging unit	9%	9%	2%	3%	7%

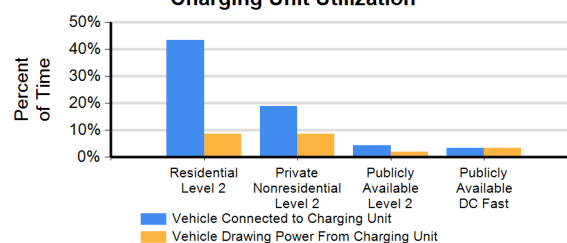
Number of Charge Events



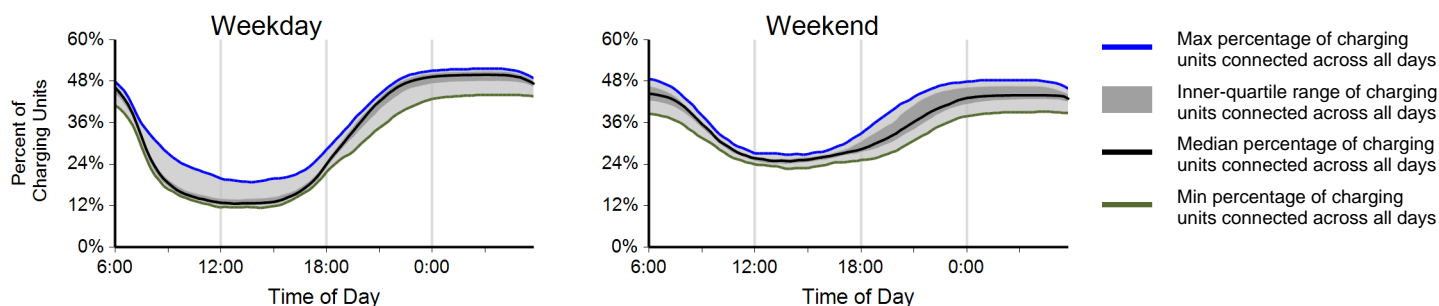
Electricity Consumed



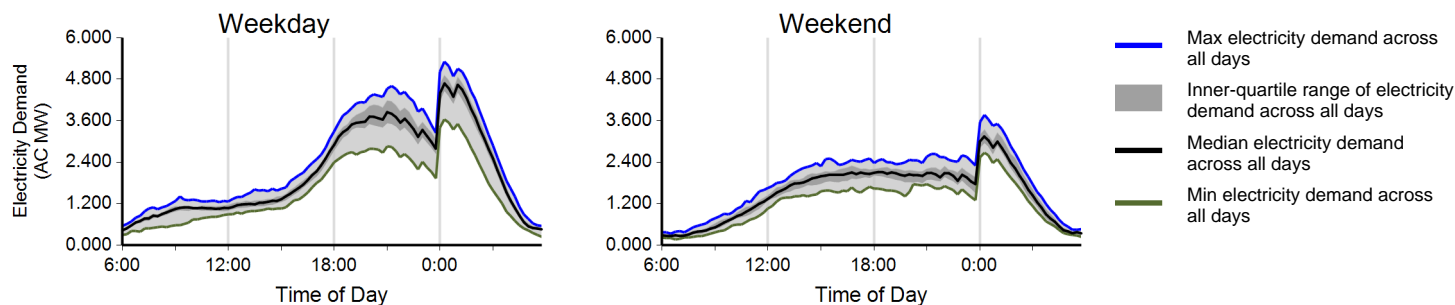
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

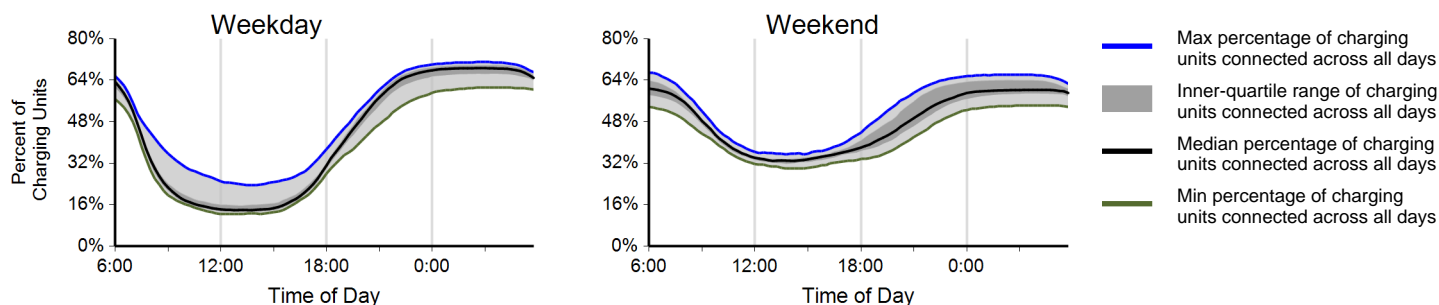
Region: ALL

Report period: January 2013 through March 2013

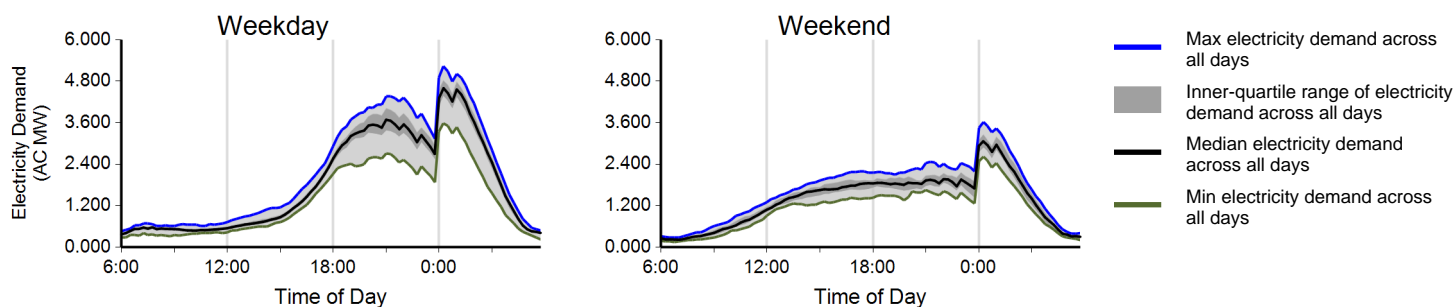
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	322,881	117,599	440,480
Electricity consumed (AC MWh)	2,776.09	847.94	3,624.03
Percent of time with a vehicle connected to EVSE	42%	48%	44%
Percent of time with a vehicle drawing power from EVSE	9%	7%	9%
Average number of charging events started per EVSE per day	0.90	0.82	0.88

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: ALL

Report period: January 2013 through March 2013

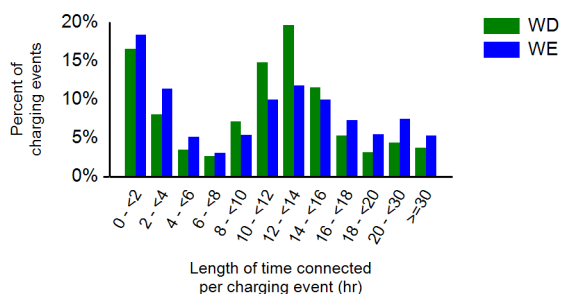
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	65%	35%	0%
Percent of electricity consumed	71%	29%	0%

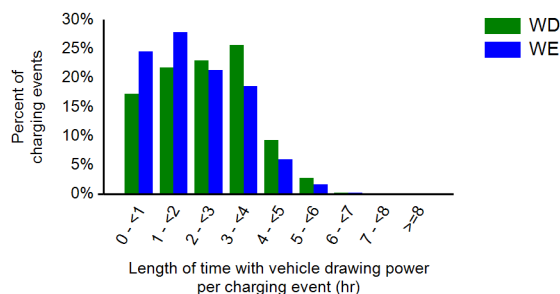
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.0	12.1	12.0
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.1	2.4
Average electricity consumed per charging event (AC kWh)	8.6	7.2	8.2

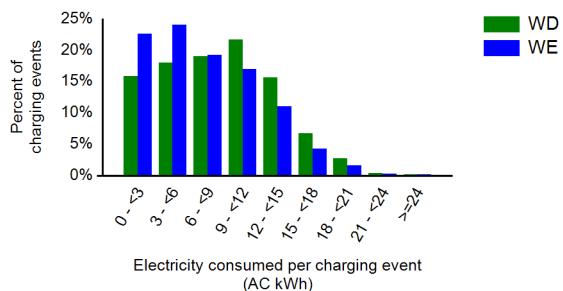
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

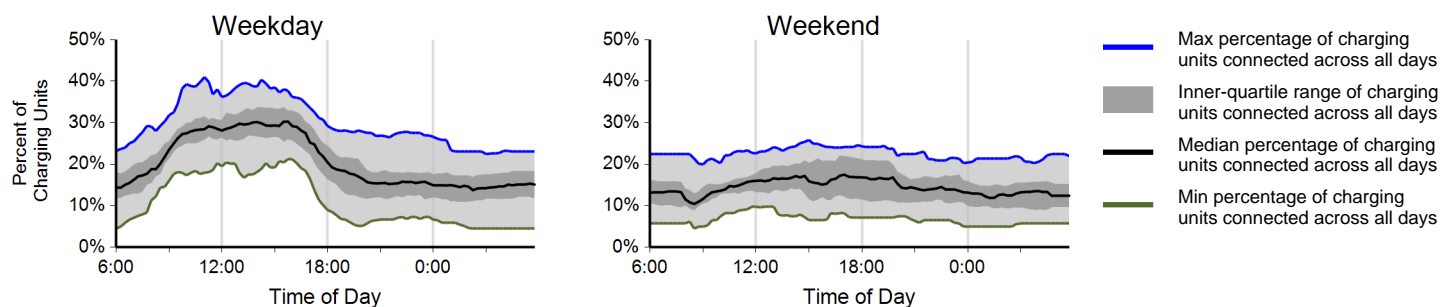
Region: ALL

Report period: January 2013 through March 2013

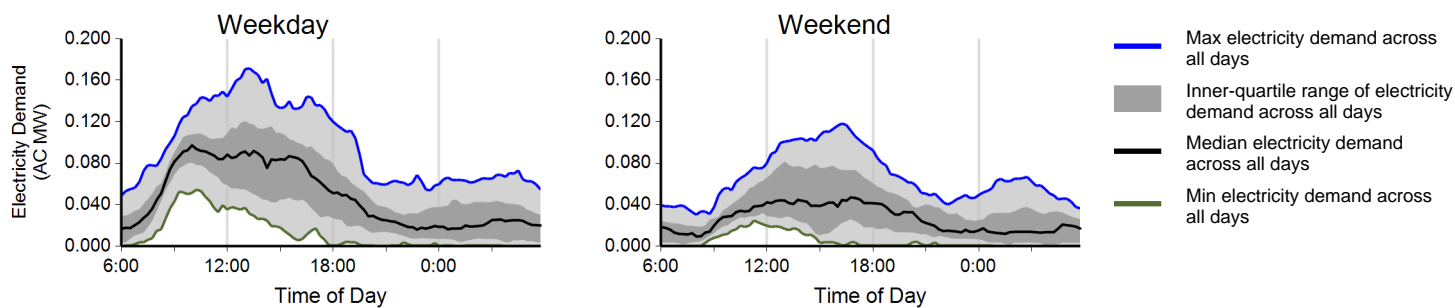
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	6,853	1,307	8,160
Electricity consumed (AC MWh)	72.83	18.81	91.64
Percent of time with a vehicle connected to EVSE	20%	15%	19%
Percent of time with a vehicle drawing power from EVSE	10%	6%	9%
Average number of charging events started per EVSE per day	0.68	0.32	0.58

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: ALL

Report period: January 2013 through March 2013

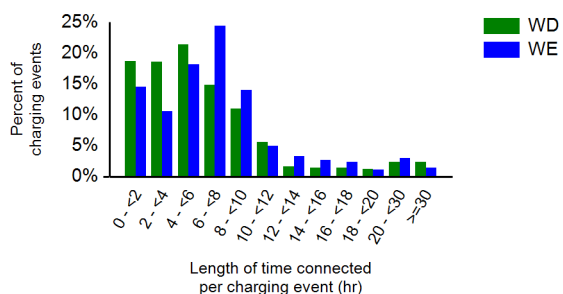
Vehicles Charged

	Car sharing fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	54%	6%	6%	33%
Percent of electricity consumed	66%	5%	4%	25%

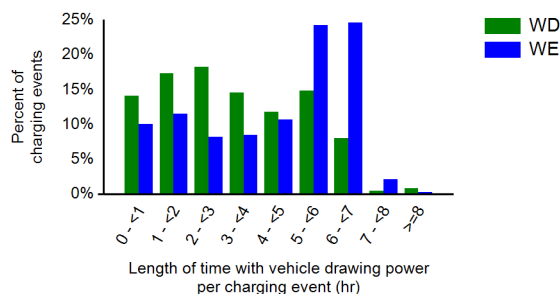
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	7.8	7.8	7.8
Average length of time with vehicle drawing power per charging event (hr)	3.5	4.3	3.6
Average electricity consumed per charging event (AC kWh)	10.6	14.3	11.2

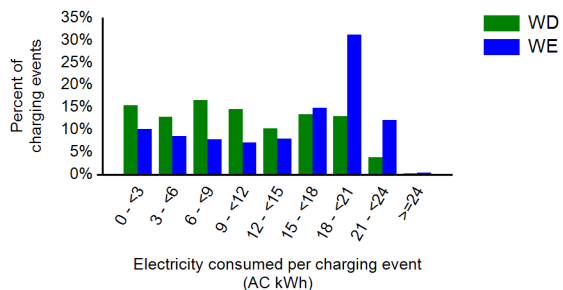
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car sharing fleets in the Oregon, Philadelphia, San Diego, and San Francisco regions use private nonresidential EV Project charging units to charge their grid-connected electric drive vehicles. The use of these charging units by car sharing fleet vehicles is included in this report.

Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

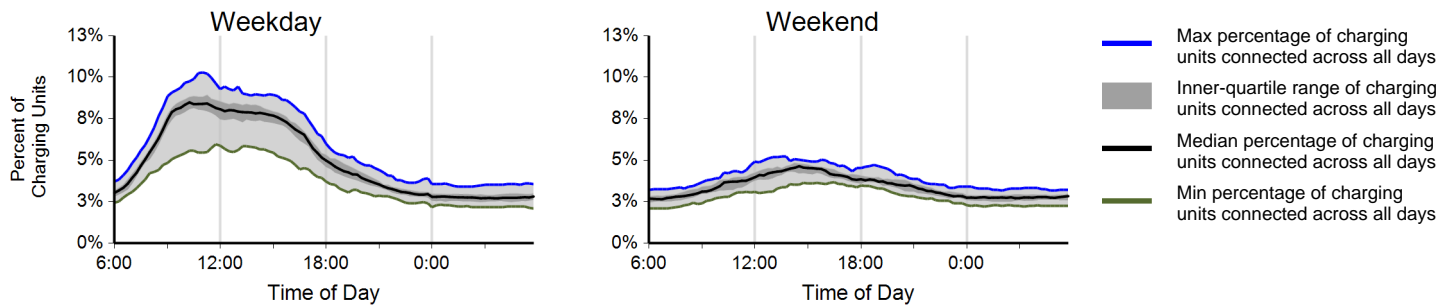
Region: ALL

Report period: January 2013 through March 2013

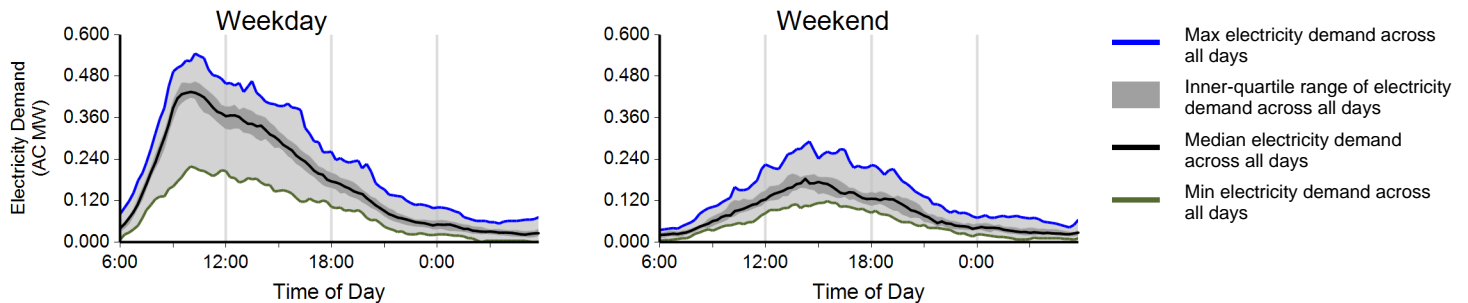
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	32,293	6,753	39,046
Electricity consumed (AC MWh)	269.86	52.67	322.53
Percent of time with a vehicle connected to EVSE	5%	3%	4%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.25	0.13	0.21

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: ALL

Report period: January 2013 through March 2013

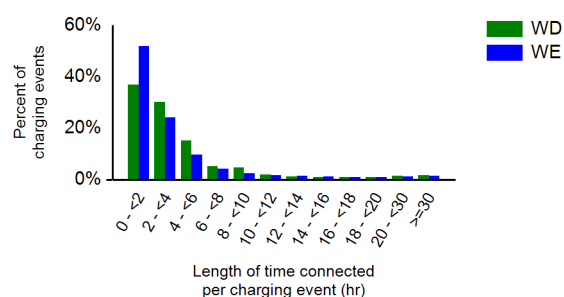
Vehicles Charged

	Car sharing fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	9%	20%	5%	66%
Percent of electricity consumed	14%	18%	4%	64%

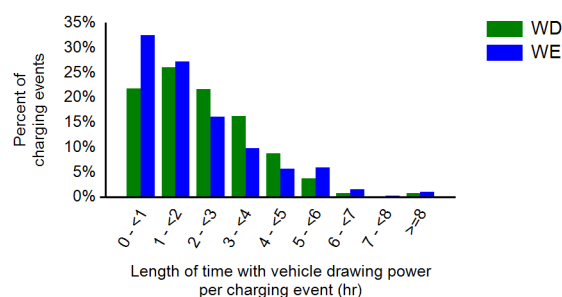
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	5.3	4.1	5.1
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.2	2.4
Average electricity consumed per charging event (AC kWh)	8.3	7.9	8.3

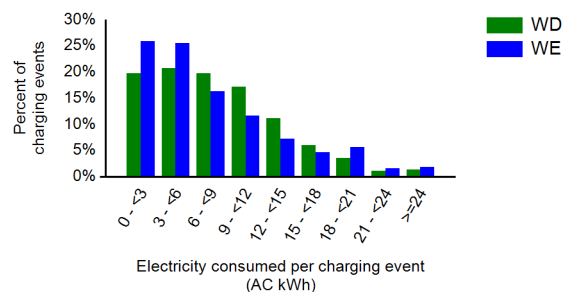
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car sharing fleets in the Oregon, Philadelphia, San Diego, and San Francisco regions use publicly available EV Project charging units to charge their grid-connected electric drive vehicles. The use of these charging units by car sharing fleet vehicles is included in this report.

DC Fast Chargers

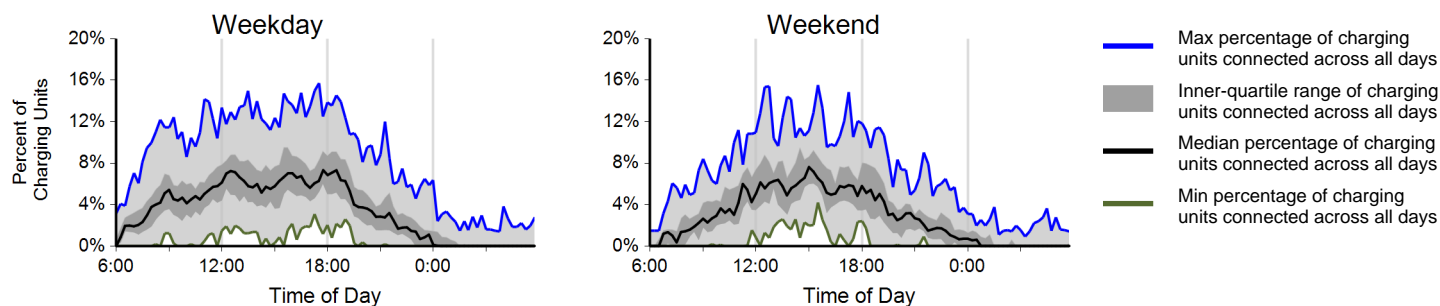
Region: ALL

Report period: January 2013 through March 2013

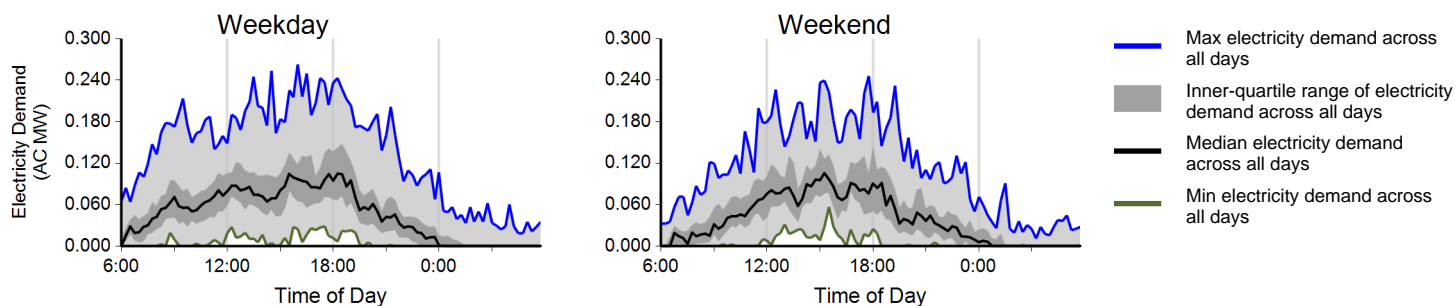
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	10,073	3,434	13,507
Electricity consumed (AC MWh)	74.63	27.37	102.00
Percent of time with a vehicle connected to EVSE	4%	3%	3%
Percent of time with a vehicle drawing power from EVSE	4%	3%	3%
Average number of charging events started per EVSE per day	2.40	2.03	2.30

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



DC Fast Chargers

Region: ALL

Report period: January 2013 through March 2013

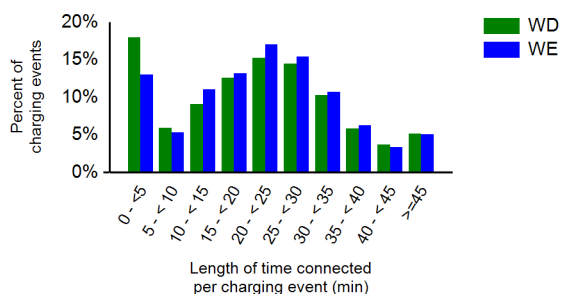
Vehicles Charged

	Car sharing fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	40%	0%	60%
Percent of electricity consumed	0%	40%	0%	60%

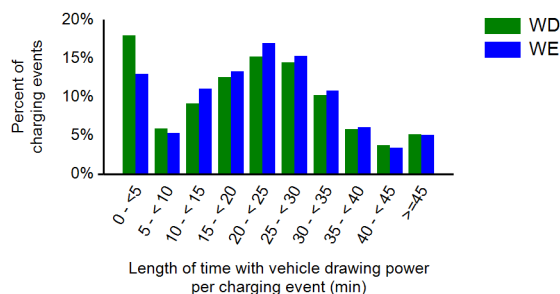
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (min)	21.1	22.0	21.3
Average length of time with vehicle drawing power per charging event (min)	21.1	22.0	21.3
Average electricity consumed per charging event (AC kWh)	7.4	8.0	7.6

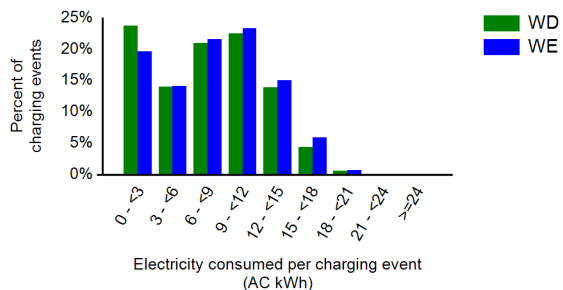
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car sharing fleets in the Oregon, Philadelphia, San Diego, and San Francisco regions use publicly available EV Project charging units to charge their grid-connected electric drive vehicles. The use of these charging units by car sharing fleet vehicles is included in this report.

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

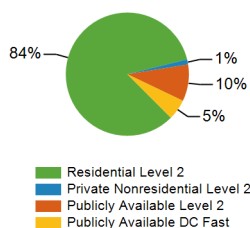
Number of EV Project vehicles in region: 300



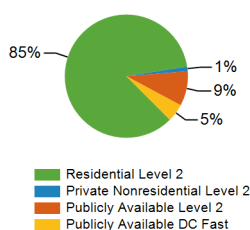
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	301	13	314	14	642
Number of charging events ²	23,661	374	2,727	1,529	28,291
Electricity consumed (AC MWh)	174.00	2.47	18.60	9.61	204.68
Percent of time with a vehicle connected to charging unit	46%	8%	2%	2%	23%
Percent of time with a vehicle drawing power from charging unit	8%	4%	1%	2%	5%

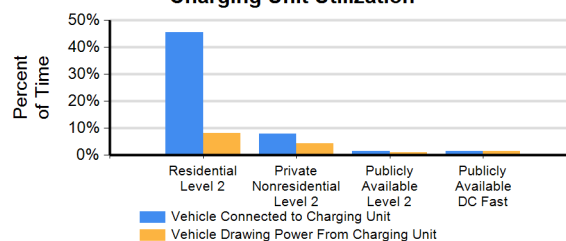
Number of Charge Events



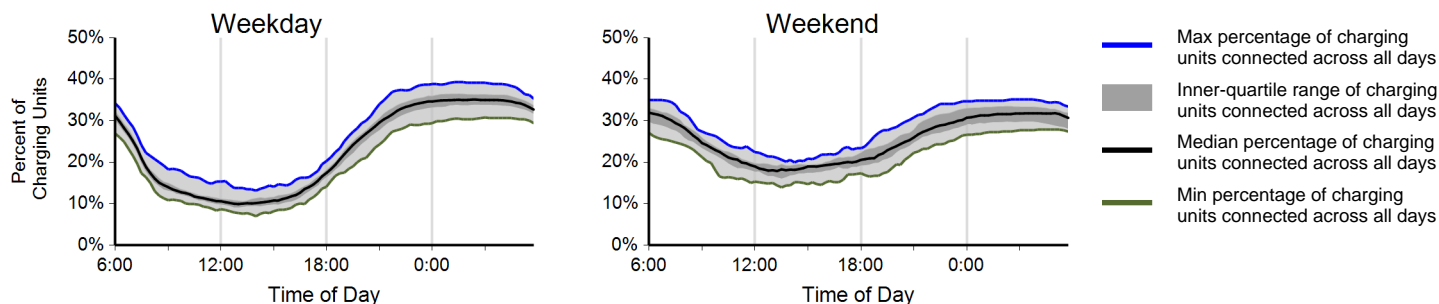
Electricity Consumed



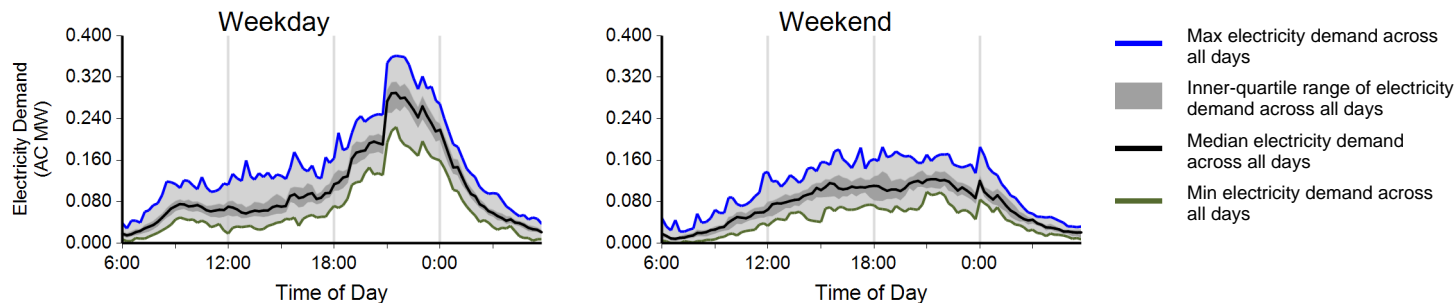
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

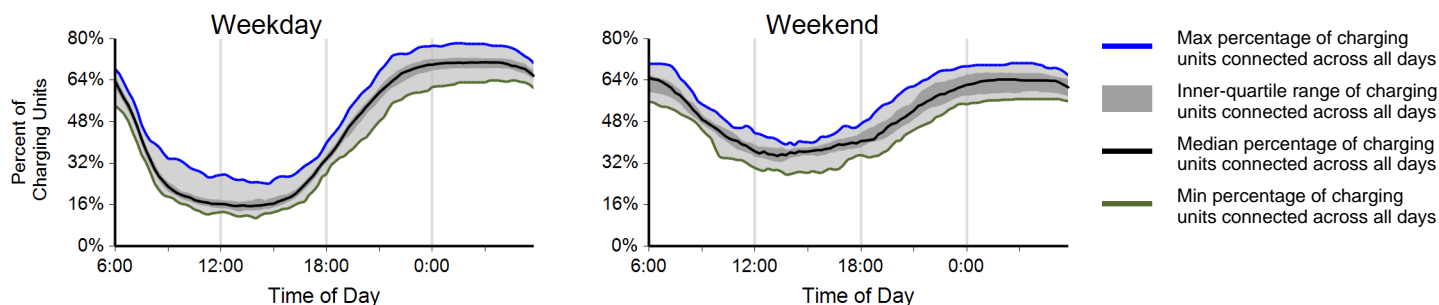
Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

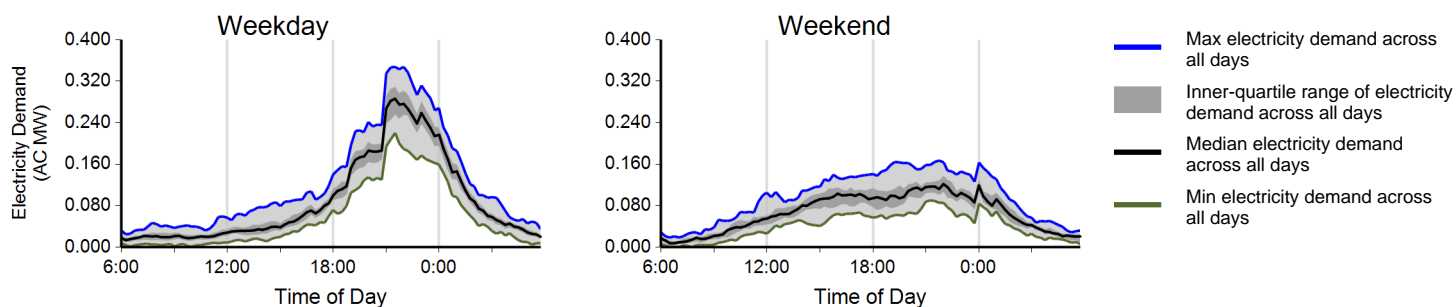
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	17,106	6,555	23,661
Electricity consumed (AC MWh)	132.89	41.11	174.00
Percent of time with a vehicle connected to EVSE	44%	51%	46%
Percent of time with a vehicle drawing power from EVSE	9%	7%	8%
Average number of charging events started per EVSE per day	0.93	0.89	0.92

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

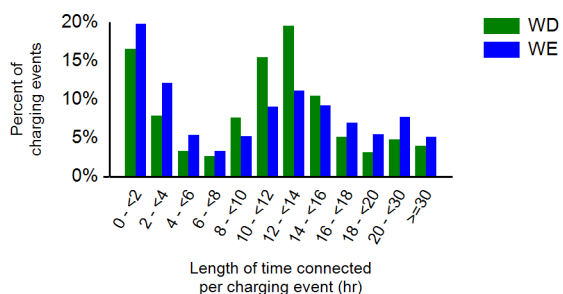
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	55%	45%	0%
Percent of electricity consumed	59%	41%	0%

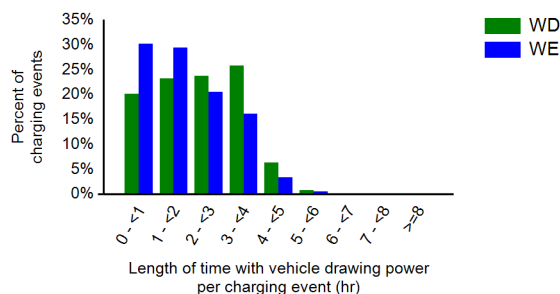
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.1	11.7	12.0
Average length of time with vehicle drawing power per charging event (hr)	2.3	1.8	2.2
Average electricity consumed per charging event (AC kWh)	7.8	6.2	7.4

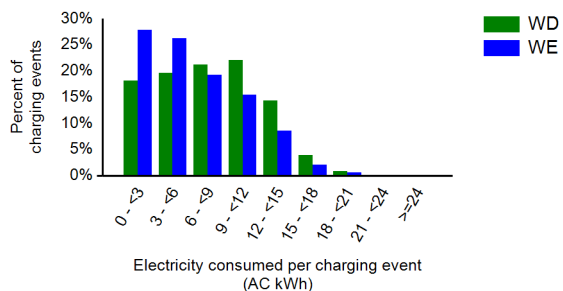
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	369	5	374
Electricity consumed (AC MWh)	2.43	0.04	2.47
Percent of time with a vehicle connected to EVSE	11%	0%	8%
Percent of time with a vehicle drawing power from EVSE	6%	0%	4%
Average number of charging events started per EVSE per day	0.66	0.02	0.47

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

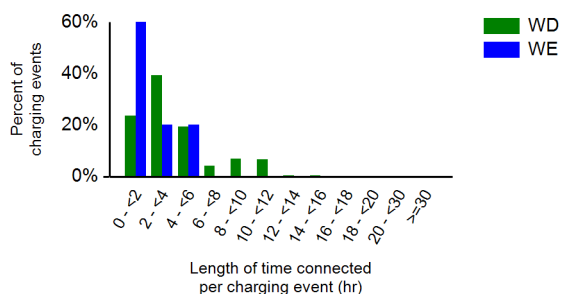
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	19%	15%	66%
Percent of electricity consumed	19%	18%	63%

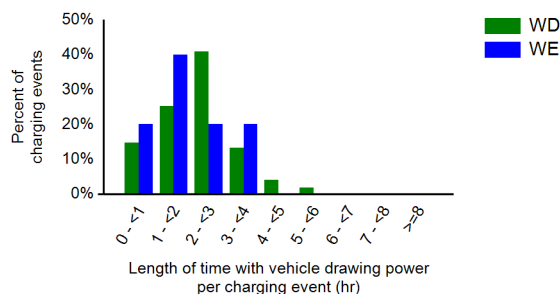
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.1	2.7	4.1
Average length of time with vehicle drawing power per charging event (hr)	2.2	2.1	2.2
Average electricity consumed per charging event (AC kWh)	6.6	7.3	6.6

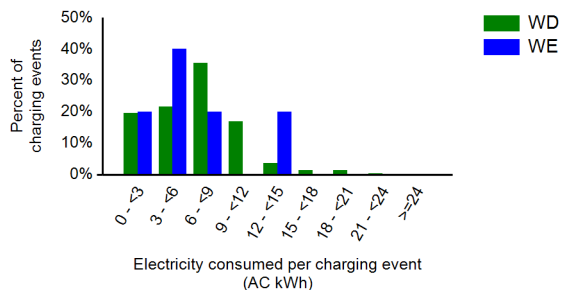
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

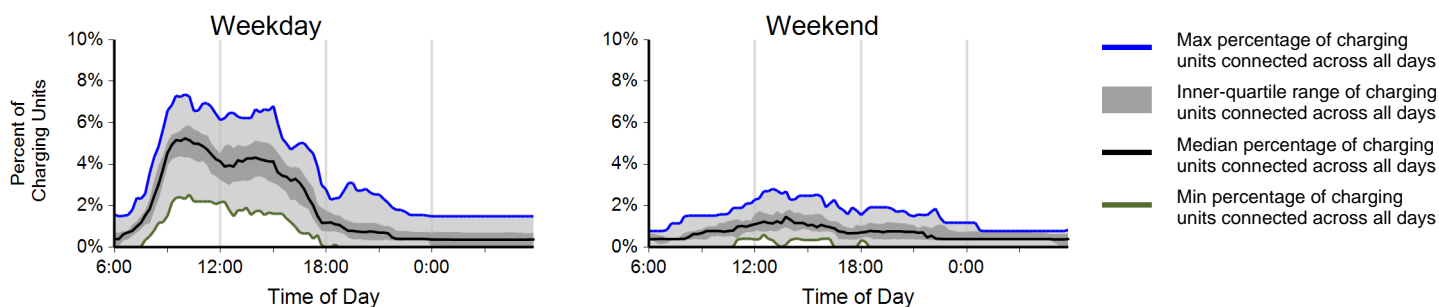
Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

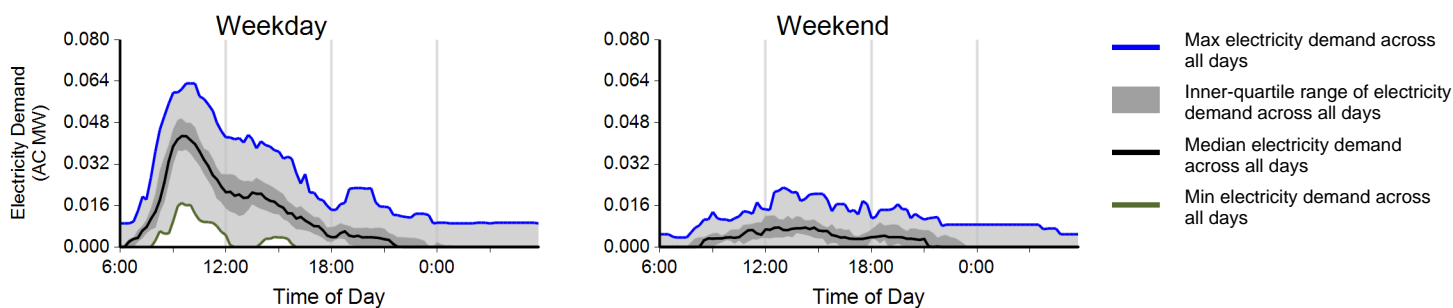
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,372	355	2,727
Electricity consumed (AC MWh)	16.43	2.17	18.60
Percent of time with a vehicle connected to EVSE	2%	1%	2%
Percent of time with a vehicle drawing power from EVSE	1%	1%	1%
Average number of charging events started per EVSE per day	0.13	0.05	0.11

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Phoenix, AZ Metropolitan Area

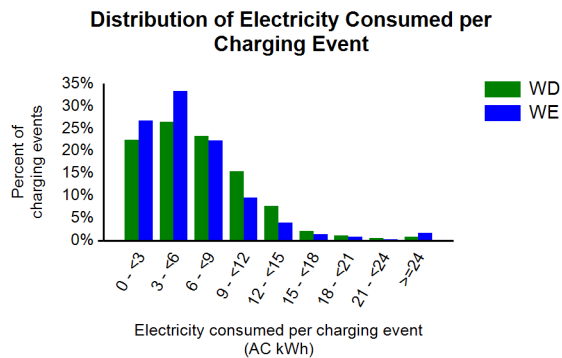
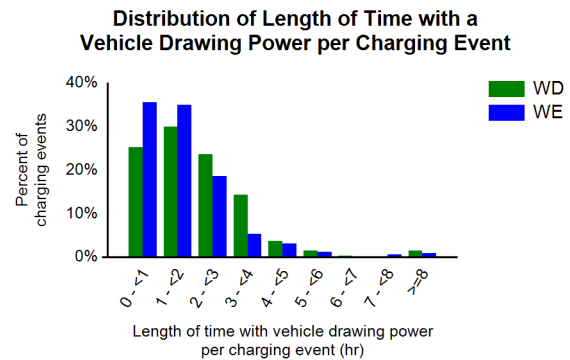
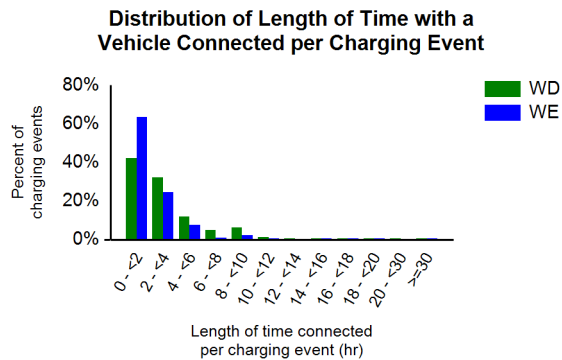
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	22%	11%	67%
Percent of electricity consumed	22%	8%	70%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.6	2.2	3.4
Average length of time with vehicle drawing power per charging event (hr)	2.4	1.7	2.3
Average electricity consumed per charging event (AC kWh)	6.9	6.1	6.8



DC Fast Chargers

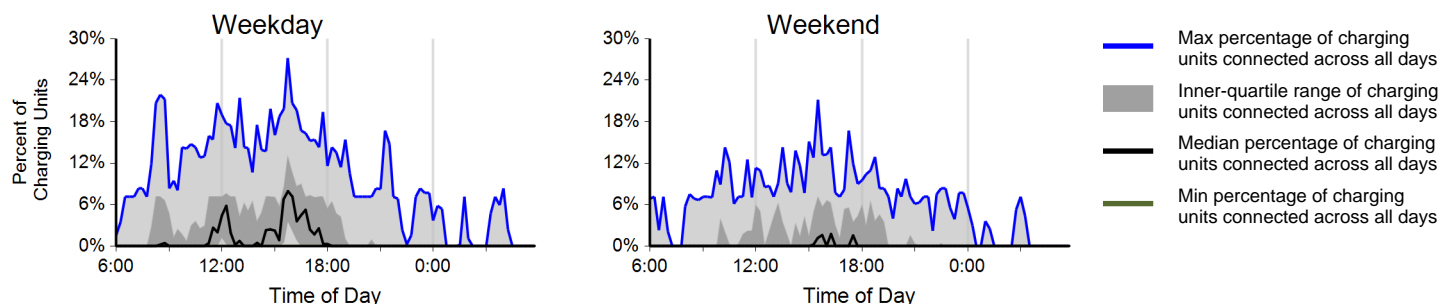
Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

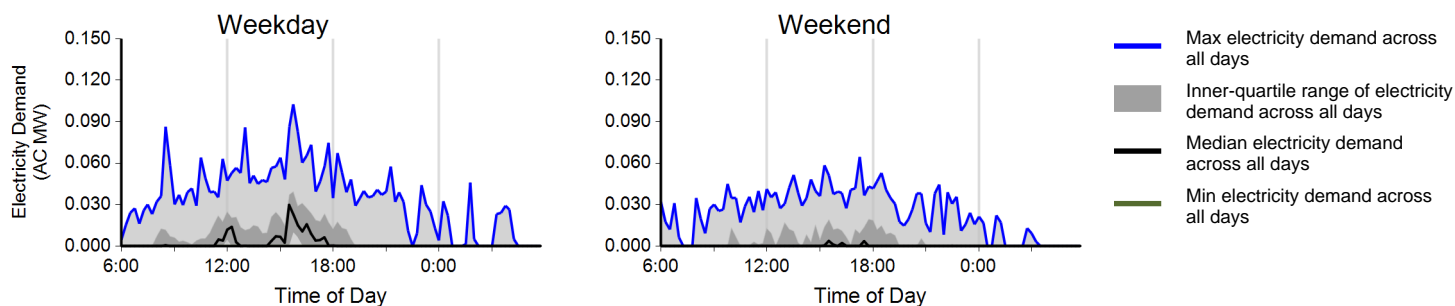
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,278	251	1,529
Electricity consumed (AC MWh)	7.66	1.95	9.61
Percent of time with a vehicle connected to EVSE	2%	1%	2%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	1.45	0.71	1.24

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



DC Fast Chargers

Region: Phoenix, AZ Metropolitan Area

Report period: January 2013 through March 2013

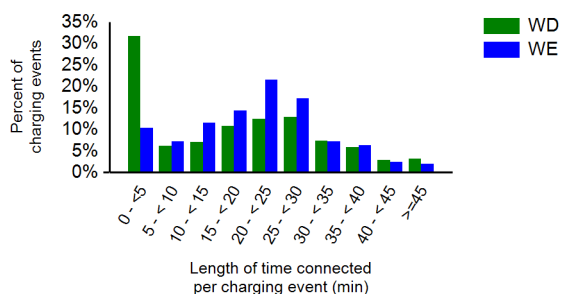
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	31%	0%	69%
Percent of electricity consumed	37%	0%	63%

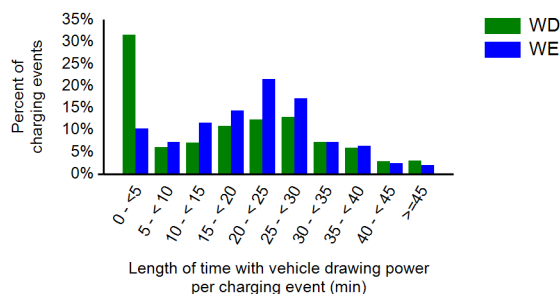
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (min)	17.4	20.9	18.0
Average length of time with vehicle drawing power per charging event (min)	17.4	20.9	18.0
Average electricity consumed per charging event (AC kWh)	6.0	7.8	6.3

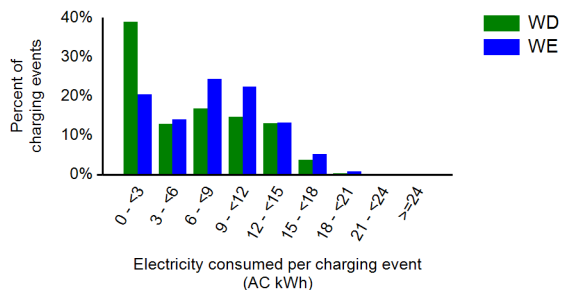
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Tucson, AZ Metropolitan Area

Report period: January 2013 through March 2013

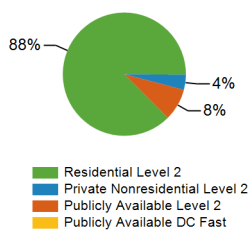
Number of EV Project vehicles in region: 64



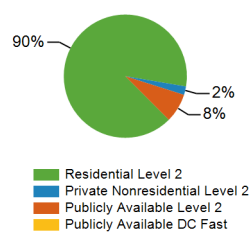
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	63	3	58	0	124
Number of charging events ²	4,504	203	432	0	5,139
Electricity consumed (AC MWh)	31.39	0.78	2.65	0.00	34.81
Percent of time with a vehicle connected to charging unit	42%	11%	1%	0%	22%
Percent of time with a vehicle drawing power from charging unit	7%	5%	1%	0%	4%

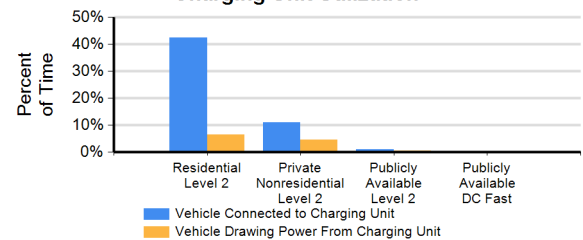
Number of Charge Events



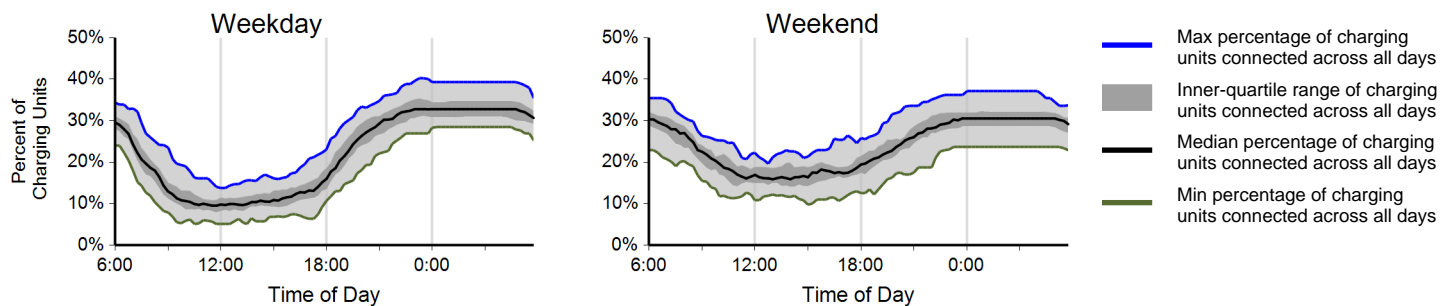
Electricity Consumed



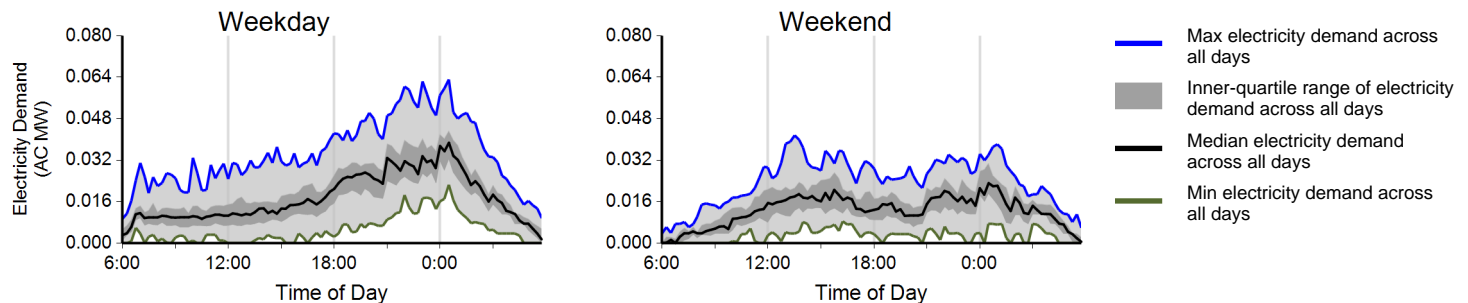
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

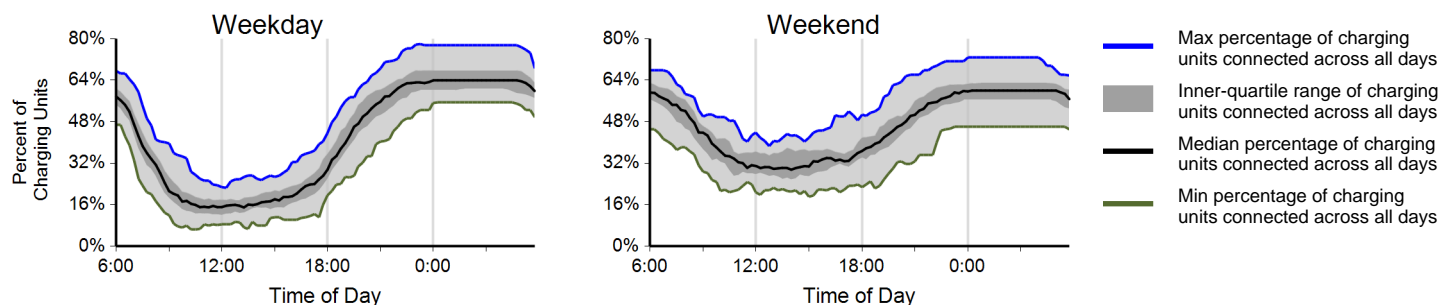
Region: Tucson, AZ Metropolitan Area

Report period: January 2013 through March 2013

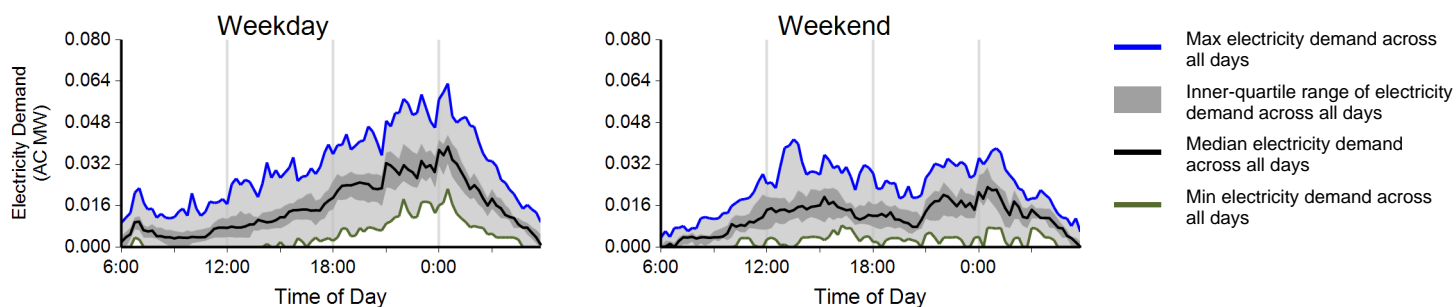
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,280	1,224	4,504
Electricity consumed (AC MWh)	24.01	7.38	31.39
Percent of time with a vehicle connected to EVSE	41%	46%	42%
Percent of time with a vehicle drawing power from EVSE	7%	5%	7%
Average number of charging events started per EVSE per day	0.84	0.78	0.82

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Tucson, AZ Metropolitan Area

Report period: January 2013 through March 2013

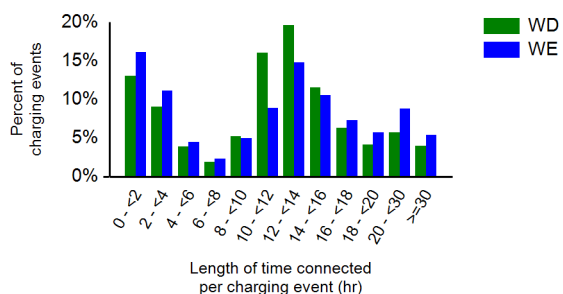
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	83%	17%	0%
Percent of electricity consumed	83%	17%	0%

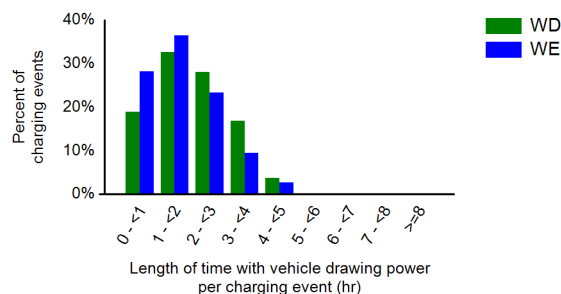
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.6	12.6	12.6
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.7	2.0
Average electricity consumed per charging event (AC kWh)	7.3	6.1	7.0

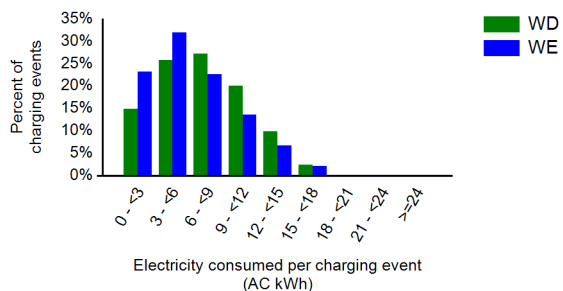
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

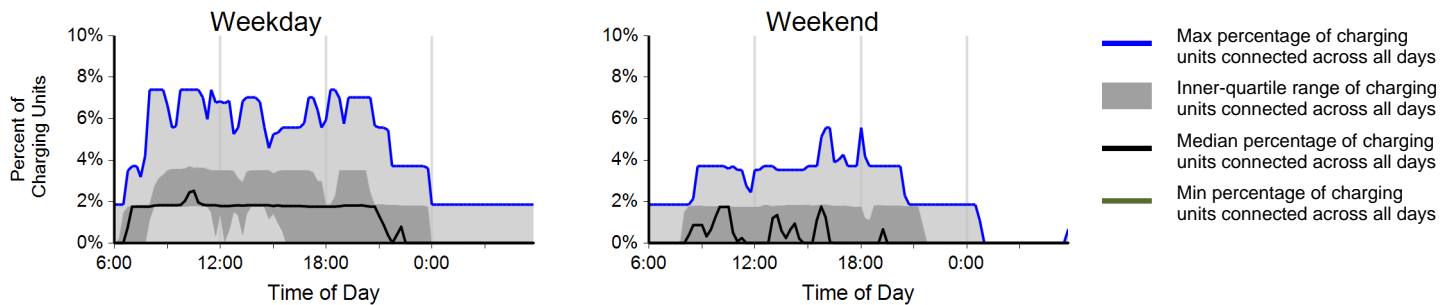
Region: Tucson, AZ Metropolitan Area

Report period: January 2013 through March 2013

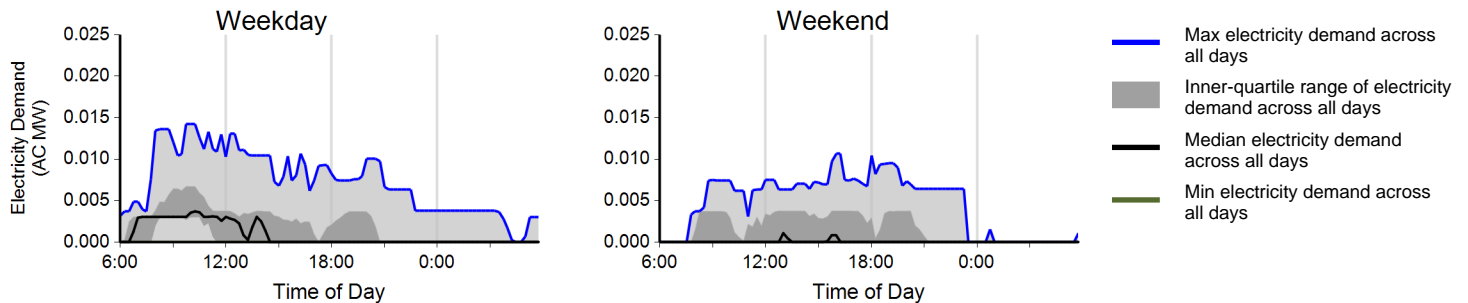
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	339	93	432
Electricity consumed (AC MWh)	2.10	0.54	2.65
Percent of time with a vehicle connected to EVSE	1%	1%	1%
Percent of time with a vehicle drawing power from EVSE	1%	0%	1%
Average number of charging events started per EVSE per day	0.09	0.06	0.09

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Tucson, AZ Metropolitan Area

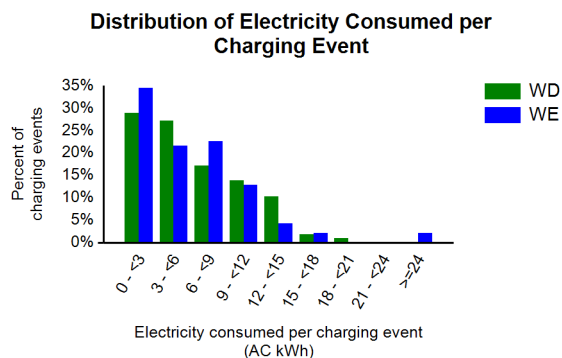
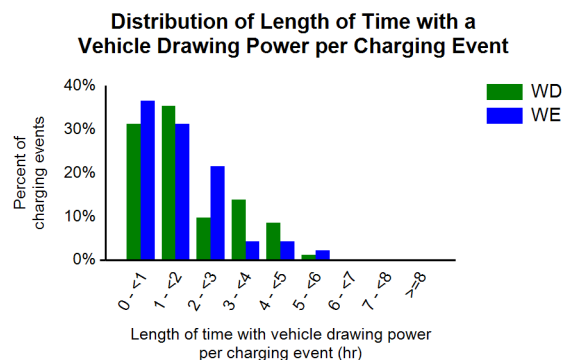
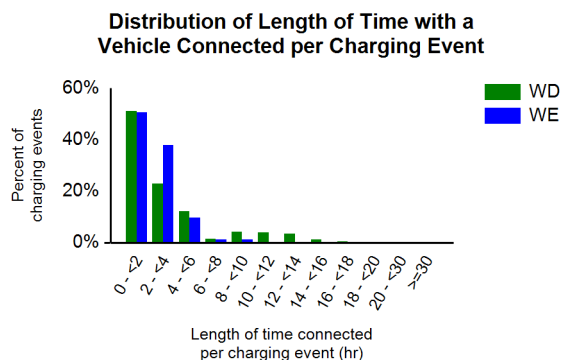
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	34%	3%	64%
Percent of electricity consumed	35%	2%	63%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.3	2.2	3.1
Average length of time with vehicle drawing power per charging event (hr)	1.8	1.7	1.8
Average electricity consumed per charging event (AC kWh)	6.1	6.1	6.1



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Los Angeles, CA Metropolitan Area

Report period: January 2013 through March 2013

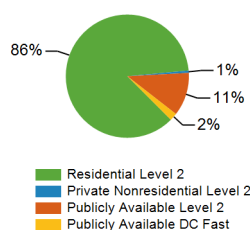
Number of EV Project vehicles in region: 577



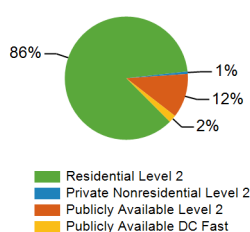
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	583	7	221	2	813
Number of charging events ²	40,572	283	5,371	935	47,161
Electricity consumed (AC MWh)	315.47	2.32	42.64	7.42	367.85
Percent of time with a vehicle connected to charging unit	41%	29%	5%	7%	31%
Percent of time with a vehicle drawing power from charging unit	8%	4%	3%	7%	6%

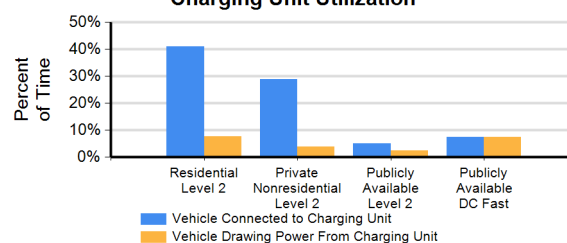
Number of Charge Events



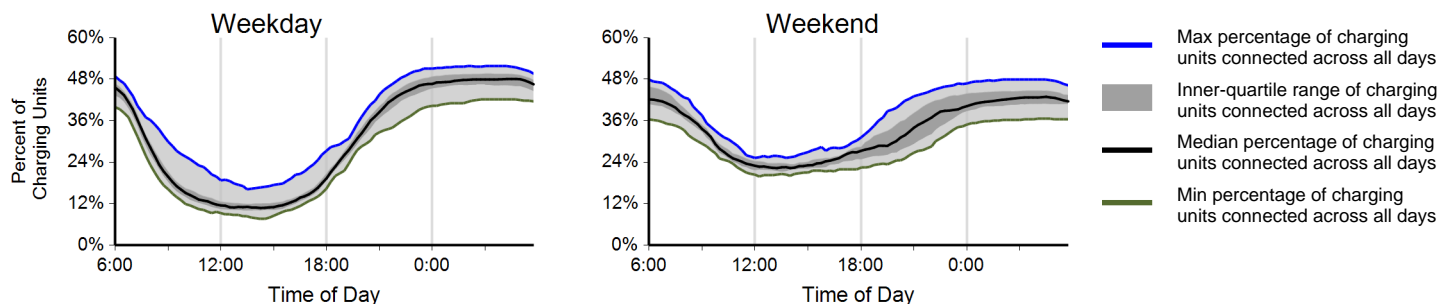
Electricity Consumed



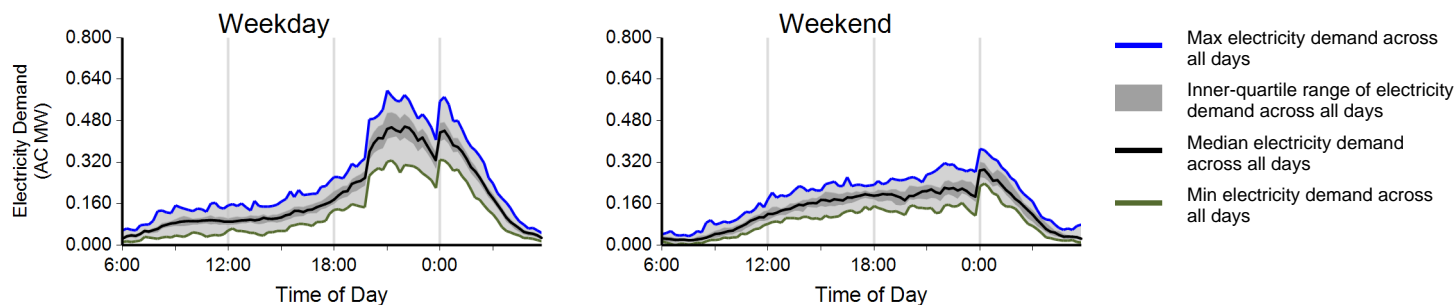
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

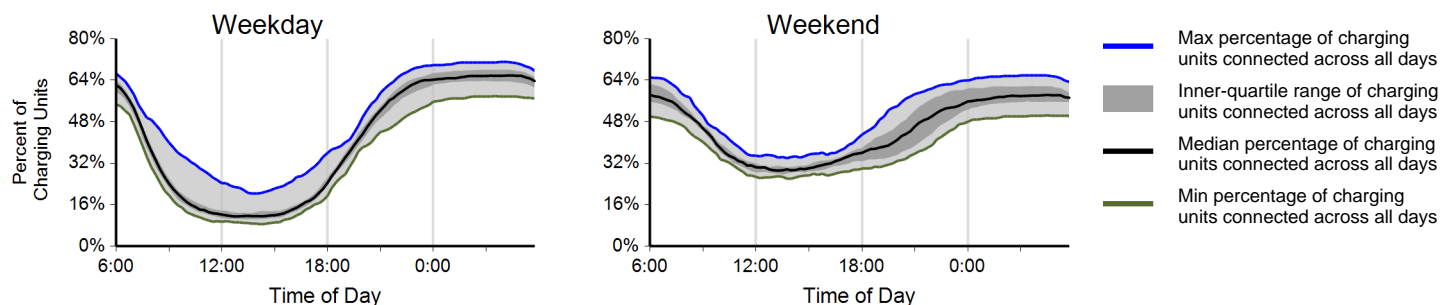
Region: Los Angeles, CA Metropolitan Area

Report period: January 2013 through March 2013

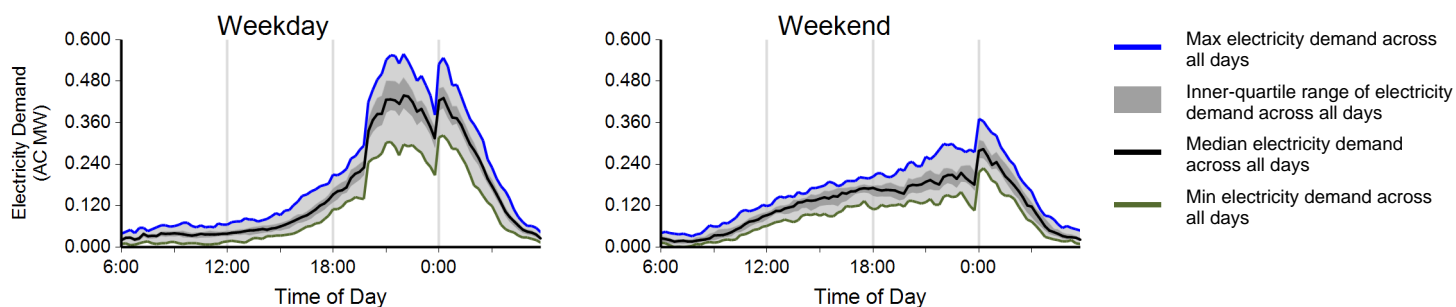
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	29,424	11,148	40,572
Electricity consumed (AC MWh)	239.63	75.84	315.47
Percent of time with a vehicle connected to EVSE	39%	45%	41%
Percent of time with a vehicle drawing power from EVSE	8%	7%	8%
Average number of charging events started per EVSE per day	0.85	0.79	0.83

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Los Angeles, CA Metropolitan Area

Report period: January 2013 through March 2013

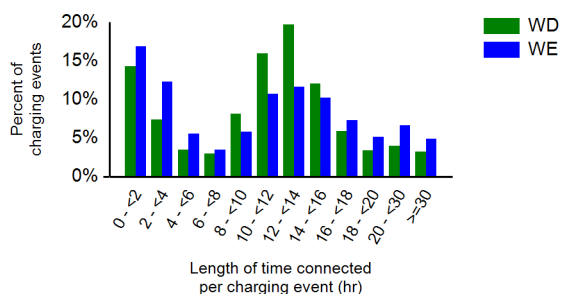
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	44%	56%	0%
Percent of electricity consumed	49%	51%	0%

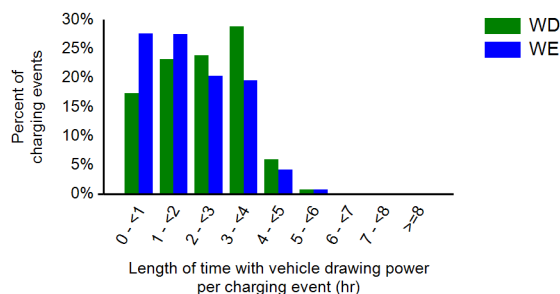
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.0	11.8	11.9
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.0	2.3
Average electricity consumed per charging event (AC kWh)	8.1	6.8	7.8

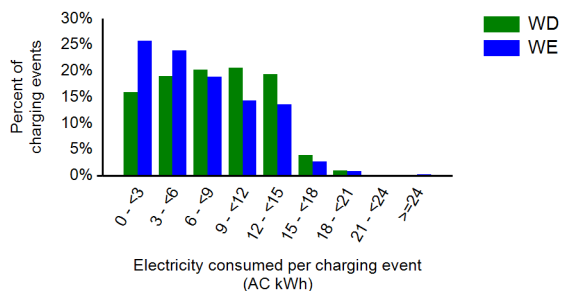
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

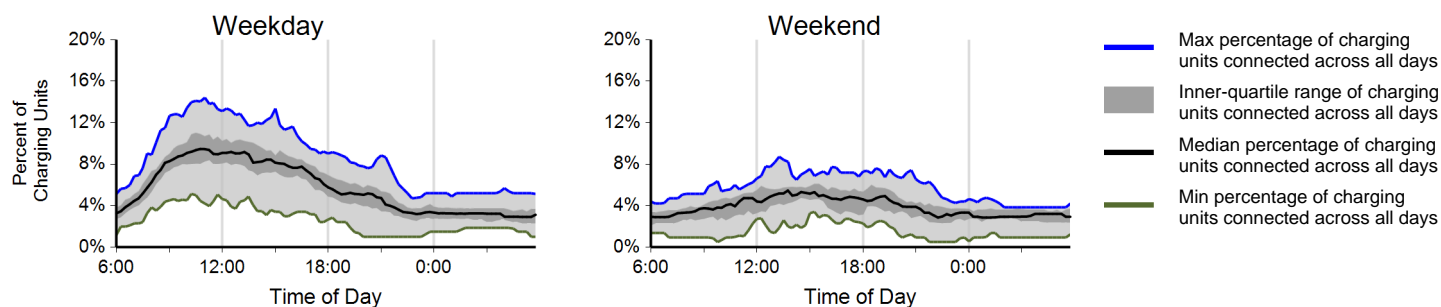
Region: Los Angeles, CA Metropolitan Area

Report period: January 2013 through March 2013

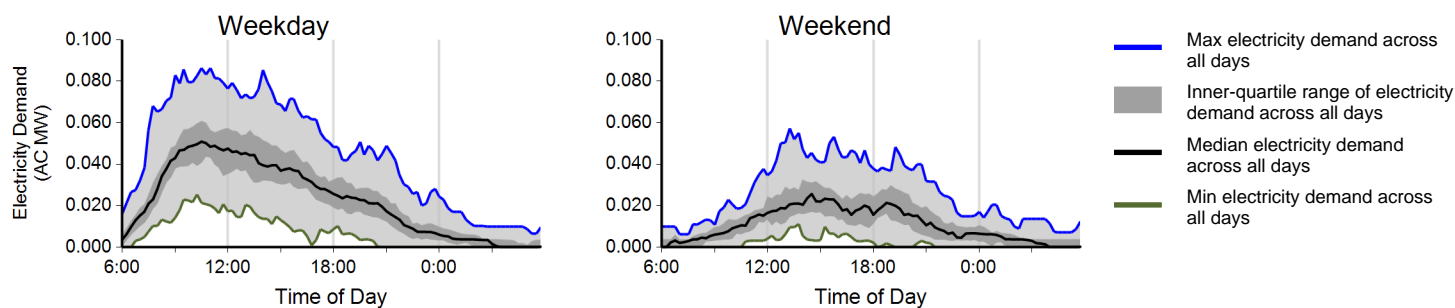
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	4,370	1,001	5,371
Electricity consumed (AC MWh)	35.56	7.08	42.64
Percent of time with a vehicle connected to EVSE	6%	4%	5%
Percent of time with a vehicle drawing power from EVSE	3%	1%	3%
Average number of charging events started per EVSE per day	0.32	0.18	0.28

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Los Angeles, CA Metropolitan Area

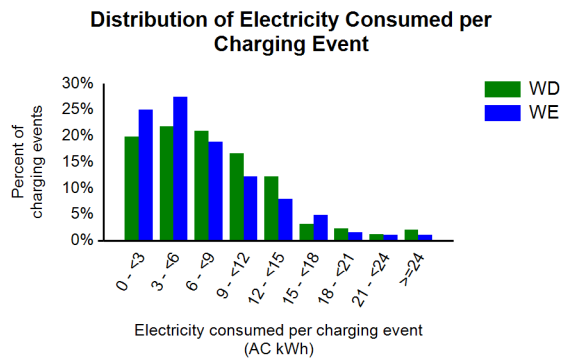
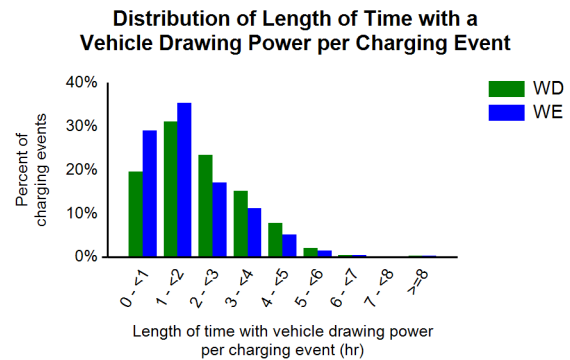
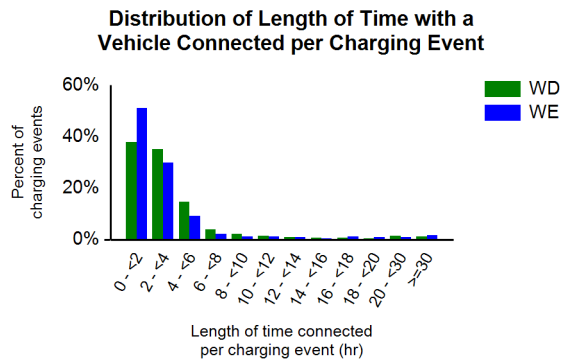
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	3%	4%	93%
Percent of electricity consumed	3%	3%	94%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.5	3.6	4.3
Average length of time with vehicle drawing power per charging event (hr)	2.2	1.9	2.2
Average electricity consumed per charging event (AC kWh)	8.1	7.1	7.9



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

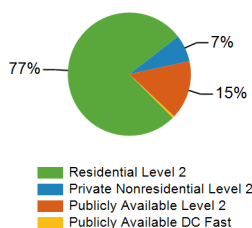
Number of EV Project vehicles in region: 725



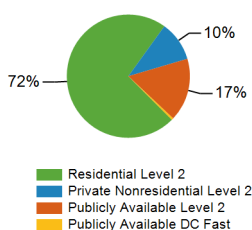
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	731	64	302	3	1,100
Number of charging events ²	54,539	5,009	10,932	344	70,824
Electricity consumed (AC MWh)	454.69	65.79	103.96	3.10	627.54
Percent of time with a vehicle connected to charging unit	45%	31%	9%	2%	34%
Percent of time with a vehicle drawing power from charging unit	9%	20%	5%	2%	8%

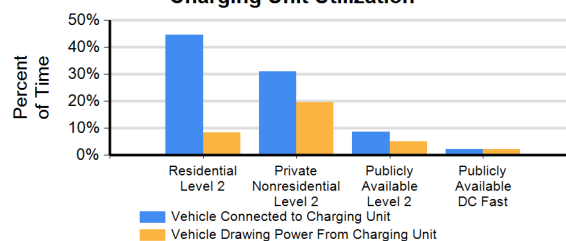
Number of Charge Events



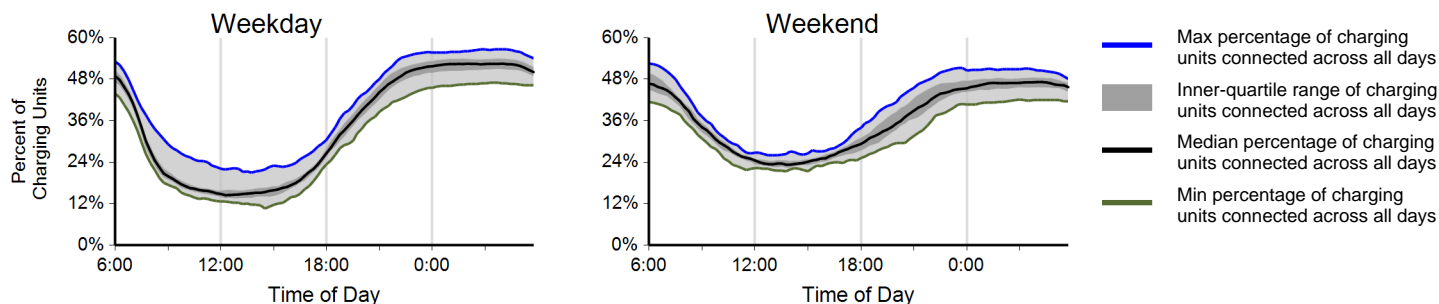
Electricity Consumed



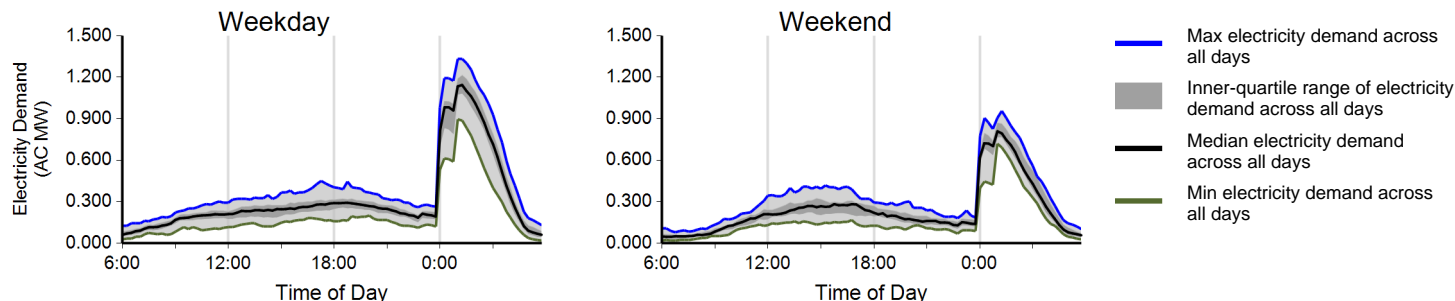
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

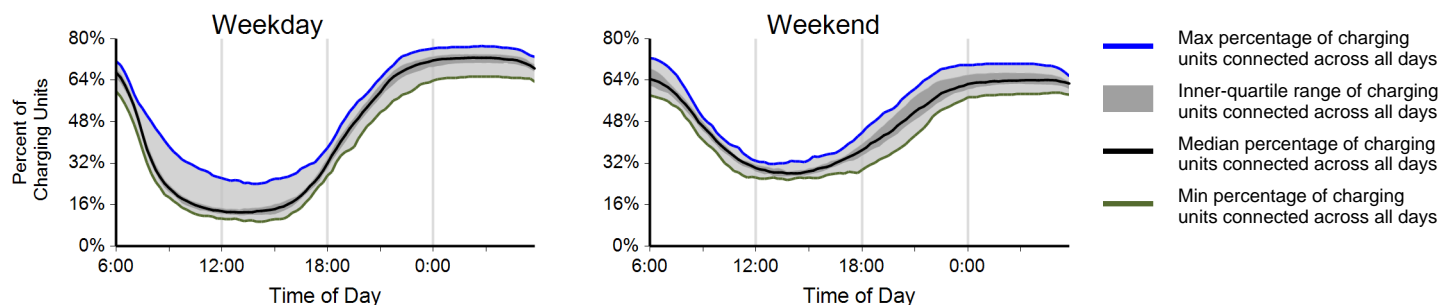
Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

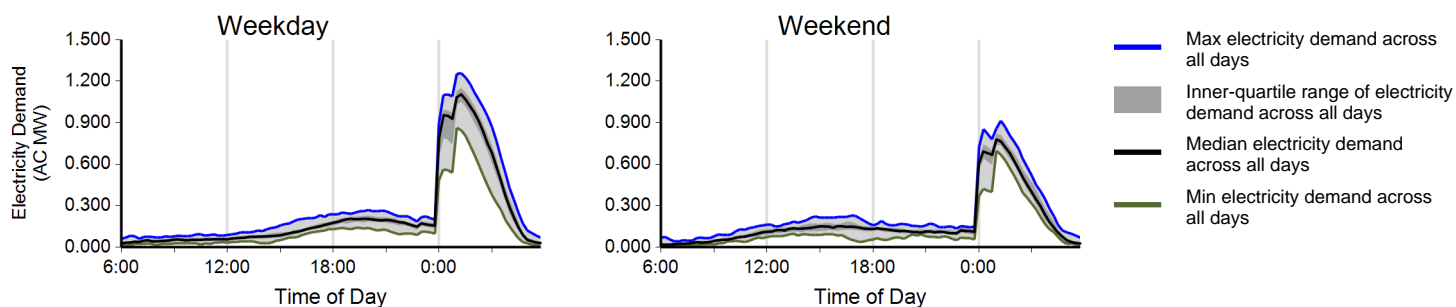
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	40,133	14,406	54,539
Electricity consumed (AC MWh)	347.41	107.28	454.69
Percent of time with a vehicle connected to EVSE	44%	48%	45%
Percent of time with a vehicle drawing power from EVSE	9%	7%	9%
Average number of charging events started per EVSE per day	0.90	0.80	0.87

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

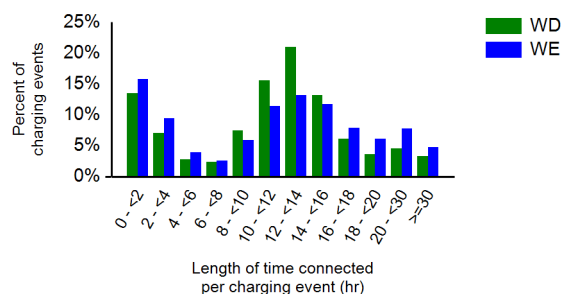
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	64%	36%	0%
Percent of electricity consumed	69%	31%	0%

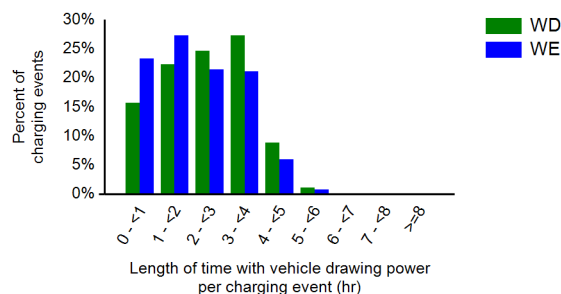
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.4	12.5	12.4
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.1	2.4
Average electricity consumed per charging event (AC kWh)	8.7	7.4	8.3

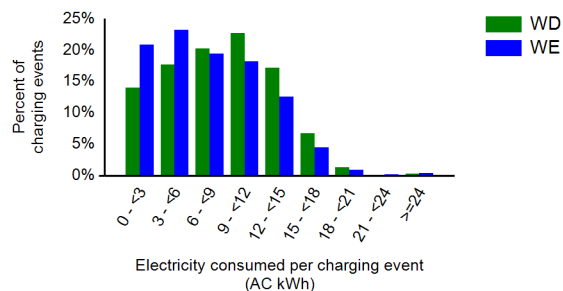
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

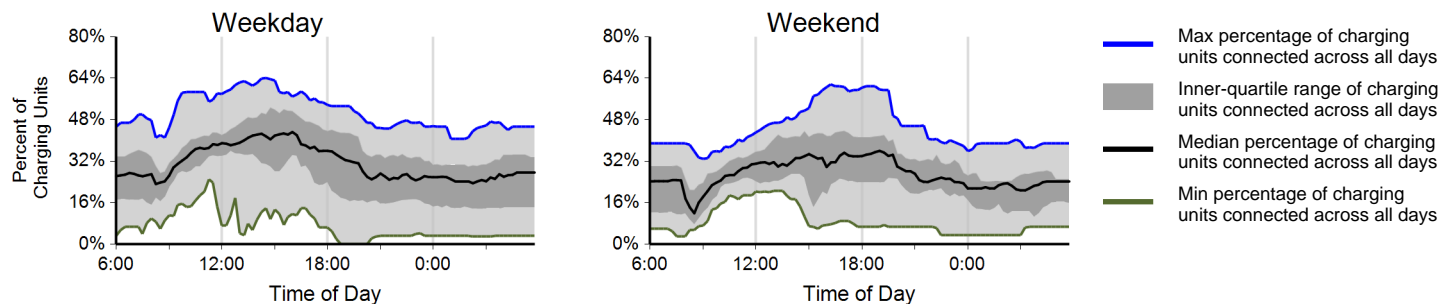
Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

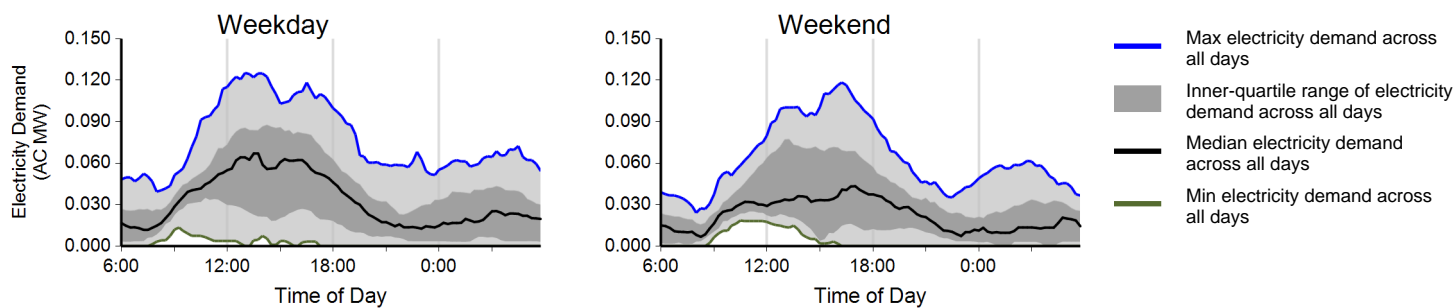
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,926	1,083	5,009
Electricity consumed (AC MWh)	48.92	16.87	65.79
Percent of time with a vehicle connected to EVSE	32%	28%	31%
Percent of time with a vehicle drawing power from EVSE	21%	17%	20%
Average number of charging events started per EVSE per day	1.32	0.88	1.19

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

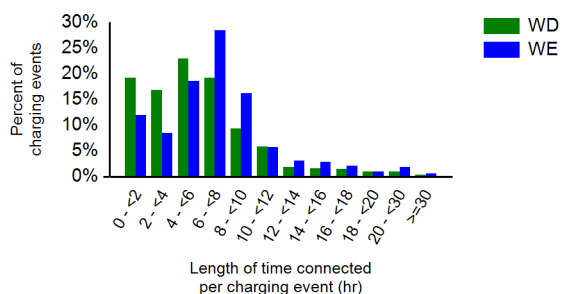
Vehicles Charged

	Car2Go fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	84%	3%	3%	10%
Percent of electricity consumed	90%	2%	1%	6%

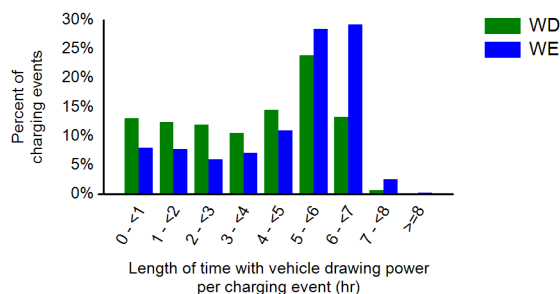
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.0	7.3	6.3
Average length of time with vehicle drawing power per charging event (hr)	3.8	4.7	4.0
Average electricity consumed per charging event (AC kWh)	12.5	15.5	13.1

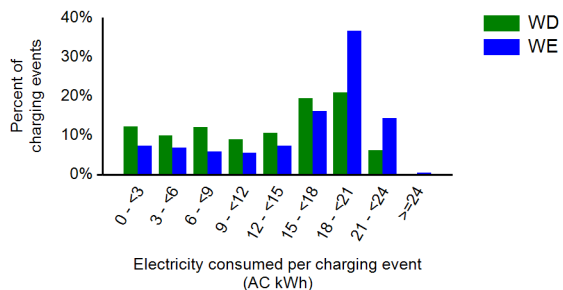
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car2Go operates a car sharing fleet of Smart Fortwo Electric Drive vehicles in this region. Usage of private nonresidential EV Project charging units to charge these vehicles is included in this report.

Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

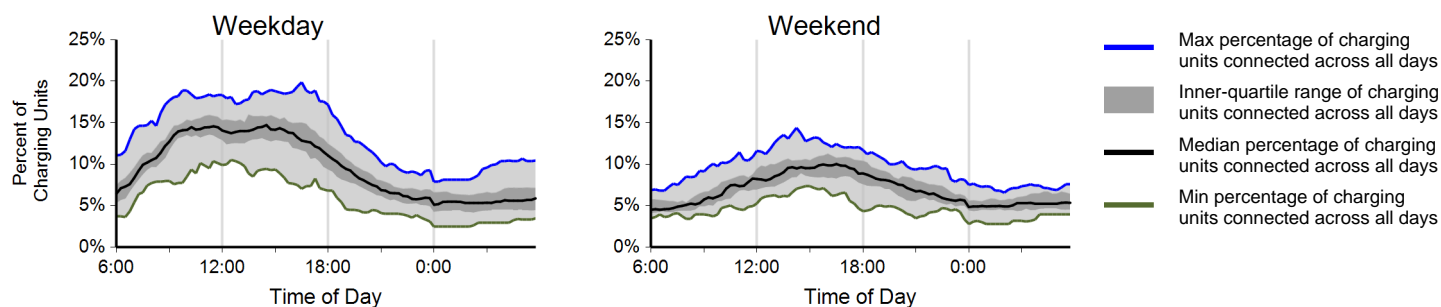
Region: San Diego, CA Metropolitan Area

Report period: January 2013 through March 2013

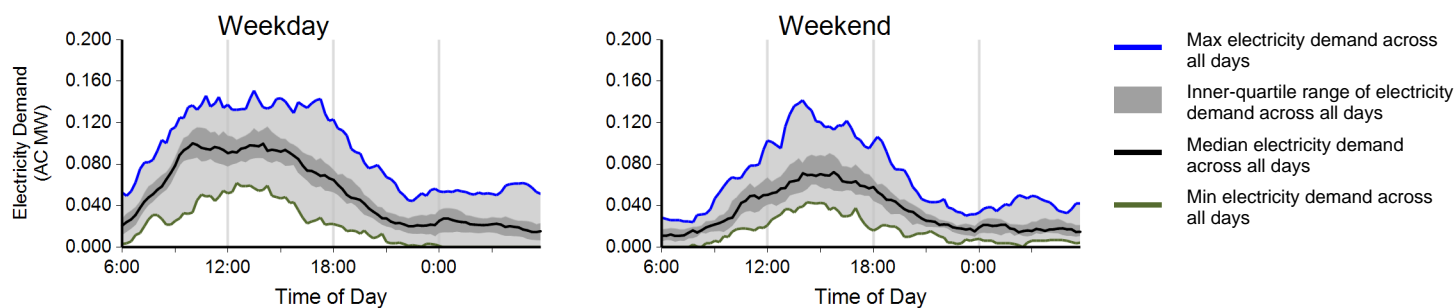
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	8,716	2,216	10,932
Electricity consumed (AC MWh)	81.80	22.16	103.96
Percent of time with a vehicle connected to EVSE	10%	7%	9%
Percent of time with a vehicle drawing power from EVSE	6%	4%	5%
Average number of charging events started per EVSE per day	0.51	0.32	0.45

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: San Diego, CA Metropolitan Area

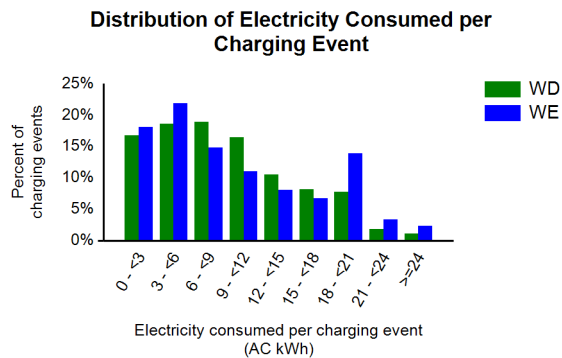
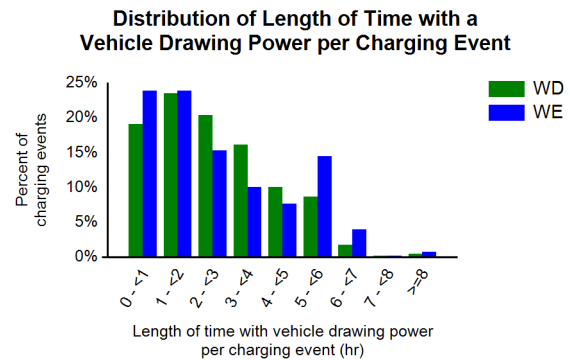
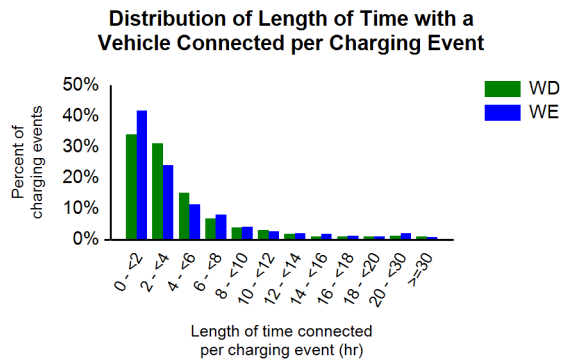
Report period: January 2013 through March 2013

Vehicles Charged

	Car2Go fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	31%	18%	6%	45%
Percent of electricity consumed	43%	14%	4%	39%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.7	4.6	4.6
Average length of time with vehicle drawing power per charging event (hr)	2.6	2.7	2.6
Average electricity consumed per charging event (AC kWh)	9.4	10.1	9.5



¹ Car2Go operates a car sharing fleet of Smart Fortwo Electric Drive vehicles in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

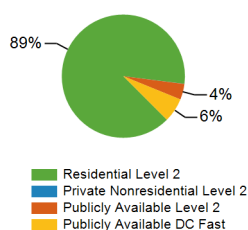
Number of EV Project vehicles in region: 1310



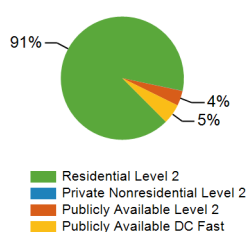
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	1,318	3	114	18	1,453
Number of charging events ²	77,954	44	3,598	5,532	87,128
Electricity consumed (AC MWh)	745.96	0.48	32.30	42.95	821.70
Percent of time with a vehicle connected to charging unit	37%	17%	8%	6%	35%
Percent of time with a vehicle drawing power from charging unit	8%	4%	5%	6%	8%

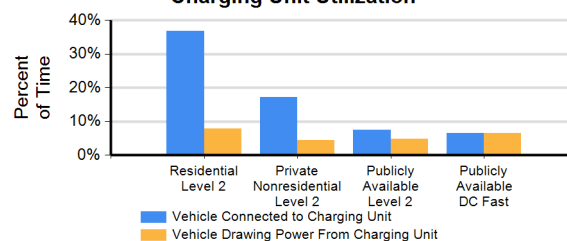
Number of Charge Events



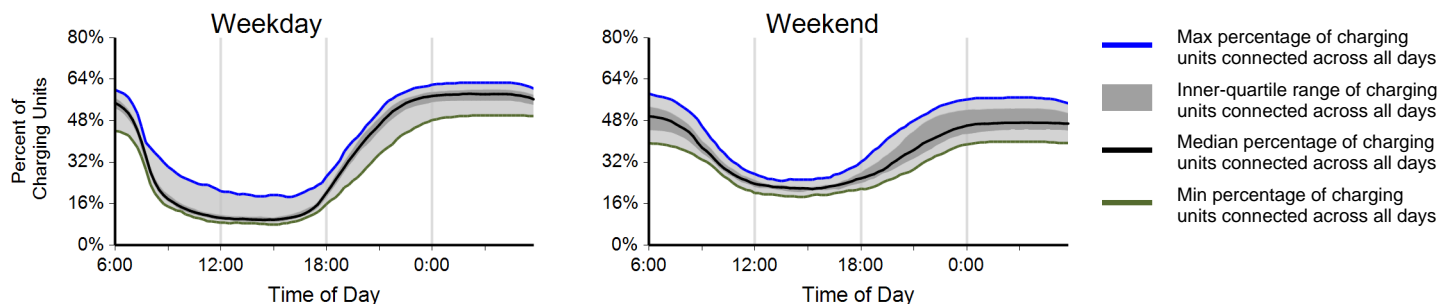
Electricity Consumed



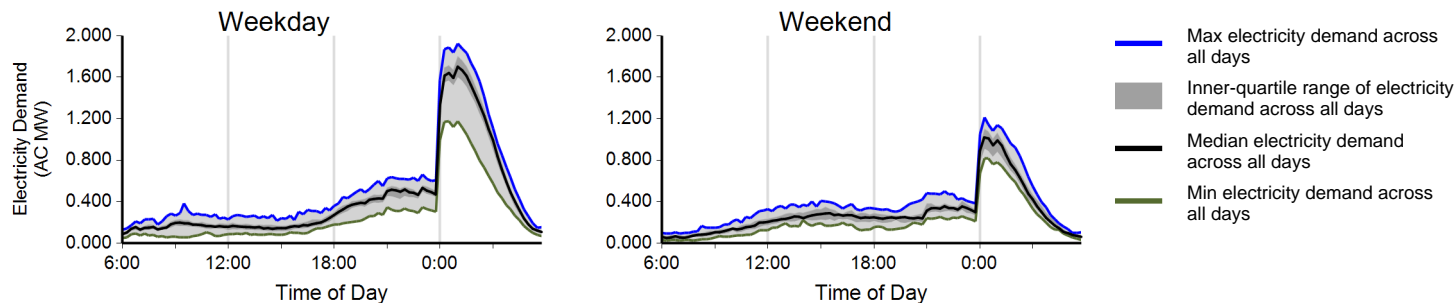
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

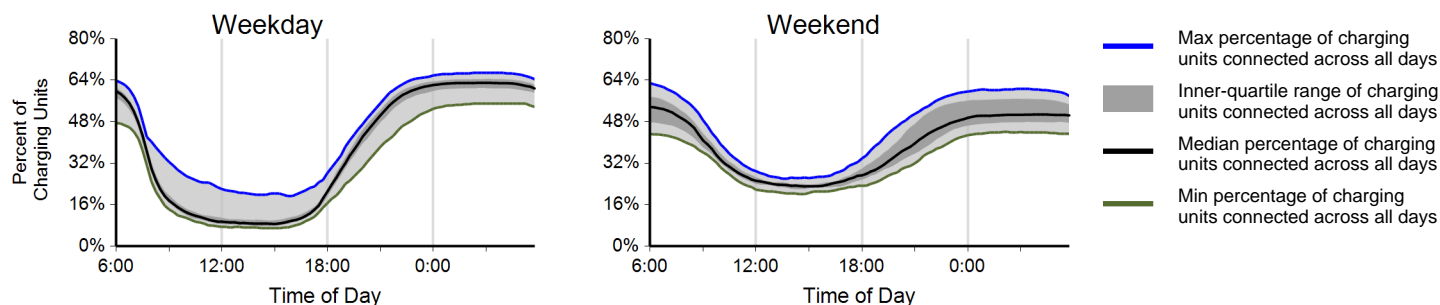
Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

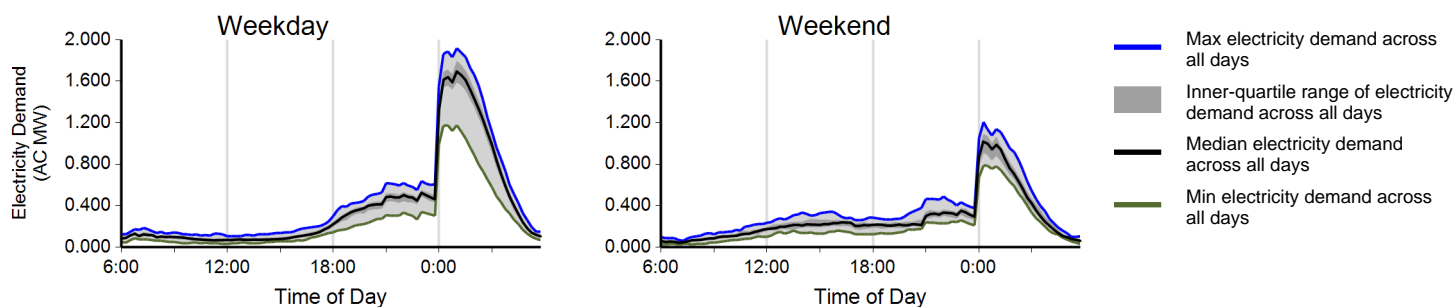
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	57,635	20,319	77,954
Electricity consumed (AC MWh)	580.68	165.28	745.96
Percent of time with a vehicle connected to EVSE	36%	39%	37%
Percent of time with a vehicle drawing power from EVSE	9%	6%	8%
Average number of charging events started per EVSE per day	0.74	0.65	0.71

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

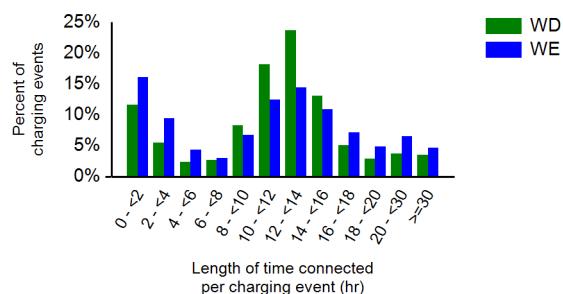
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

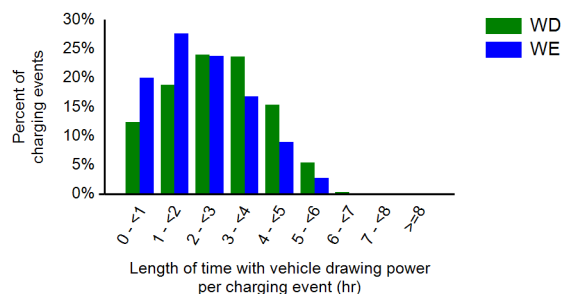
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.5	12.2	12.5
Average length of time with vehicle drawing power per charging event (hr)	2.8	2.3	2.7
Average electricity consumed per charging event (AC kWh)	10.1	8.1	9.6

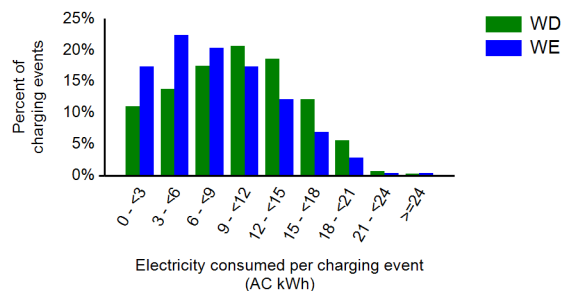
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

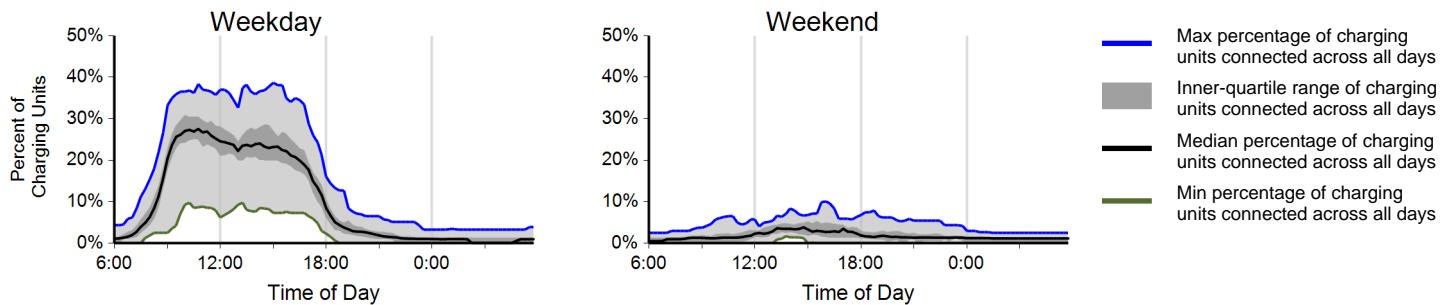
Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

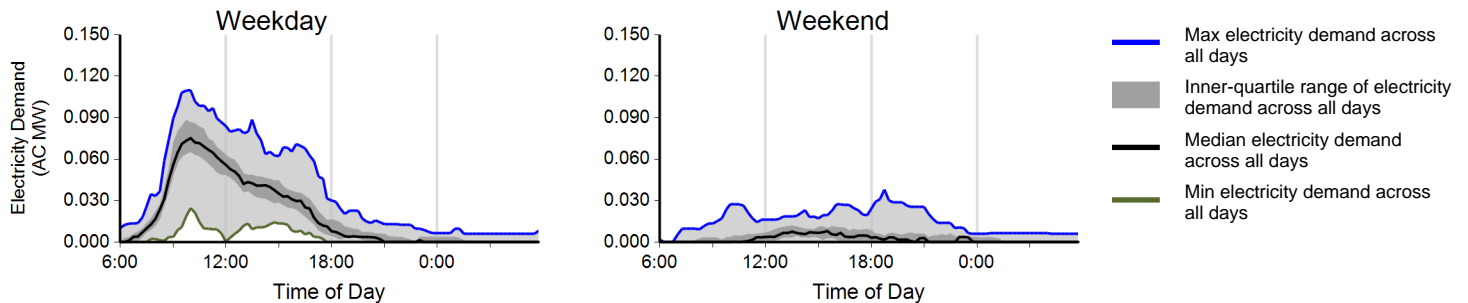
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,318	280	3,598
Electricity consumed (AC MWh)	30.29	2.01	32.30
Percent of time with a vehicle connected to EVSE	10%	2%	8%
Percent of time with a vehicle drawing power from EVSE	6%	1%	5%
Average number of charging events started per EVSE per day	0.63	0.13	0.48

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: San Francisco, CA Metropolitan Area

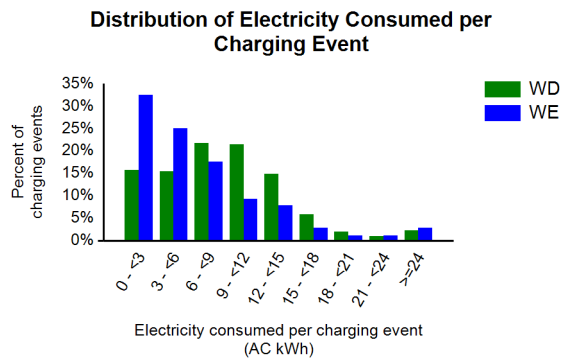
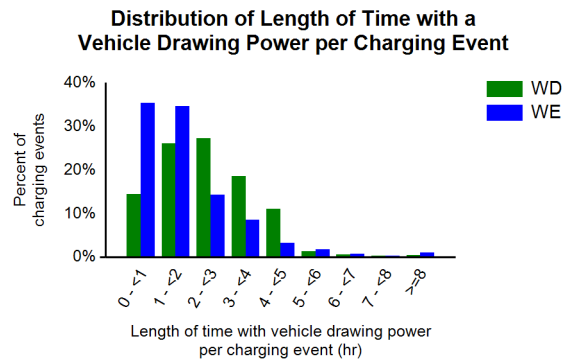
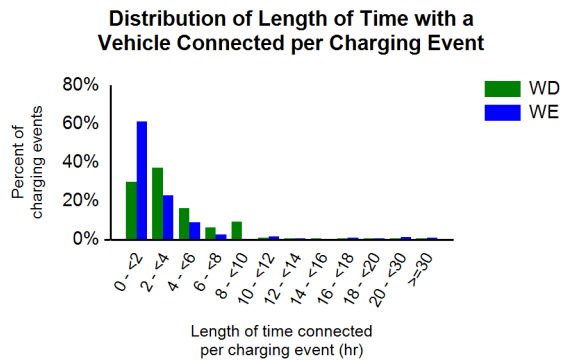
Report period: January 2013 through March 2013

Vehicles Charged

	City CarShare fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	11%	0%	89%
Percent of electricity consumed	0%	9%	0%	91%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.8	2.8	3.8
Average length of time with vehicle drawing power per charging event (hr)	2.5	1.8	2.4
Average electricity consumed per charging event (AC kWh)	9.1	7.2	9.0



¹ City CarShare operates a car sharing fleet of Nissan Leaf, Chevrolet Volt, and Mitsubishi i-Miev vehicles in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.

DC Fast Chargers

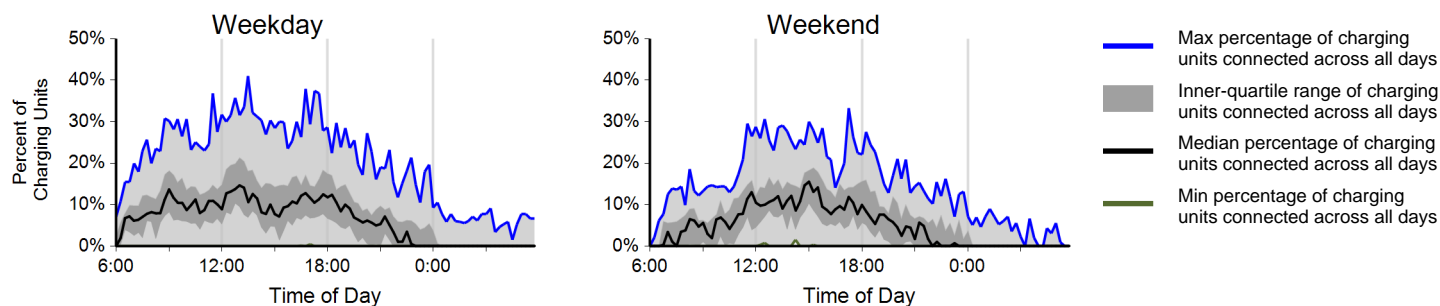
Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

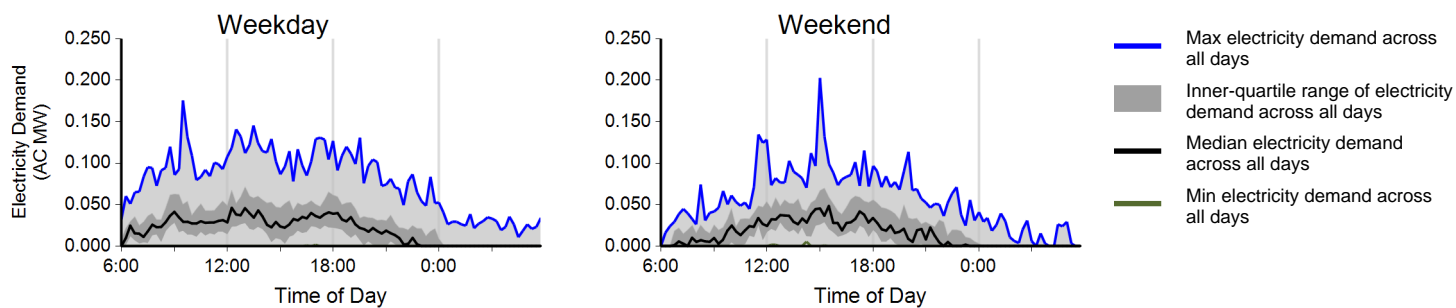
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	4,171	1,361	5,532
Electricity consumed (AC MWh)	32.08	10.88	42.95
Percent of time with a vehicle connected to EVSE	7%	6%	6%
Percent of time with a vehicle drawing power from EVSE	7%	6%	6%
Average number of charging events started per EVSE per day	4.56	3.66	4.30

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



DC Fast Chargers

Region: San Francisco, CA Metropolitan Area

Report period: January 2013 through March 2013

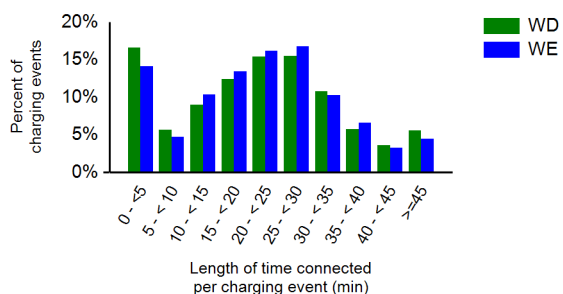
Vehicles Charged

	City CarShare fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	46%	0%	54%
Percent of electricity consumed	0%	47%	0%	53%

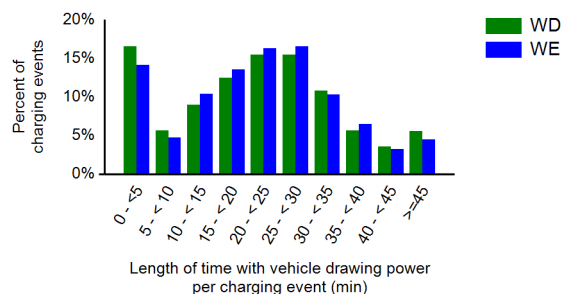
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (min)	21.6	21.8	21.7
Average length of time with vehicle drawing power per charging event (min)	21.6	21.8	21.7
Average electricity consumed per charging event (AC kWh)	7.7	8.0	7.8

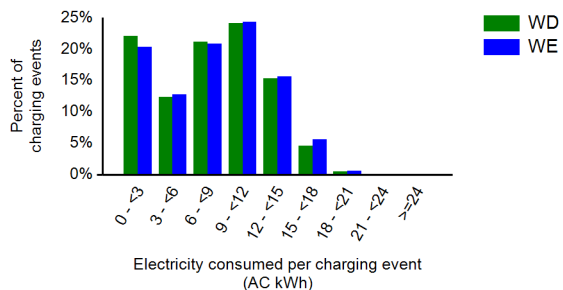
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ City CarShare operates a car sharing fleet of Nissan Leaf, Chevrolet Volt, and Mitsubishi i-Miev vehicles in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Washington, D.C. Metropolitan Area

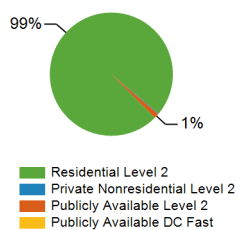
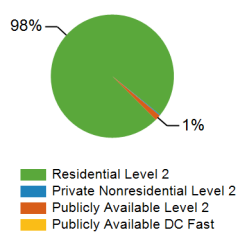
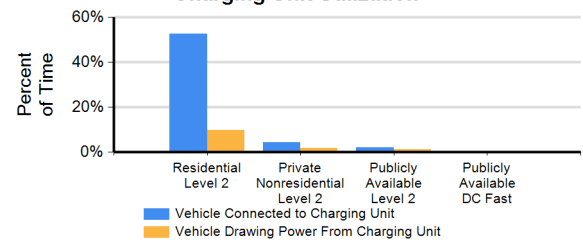
Report period: January 2013 through March 2013

Number of EV Project vehicles in region: 297

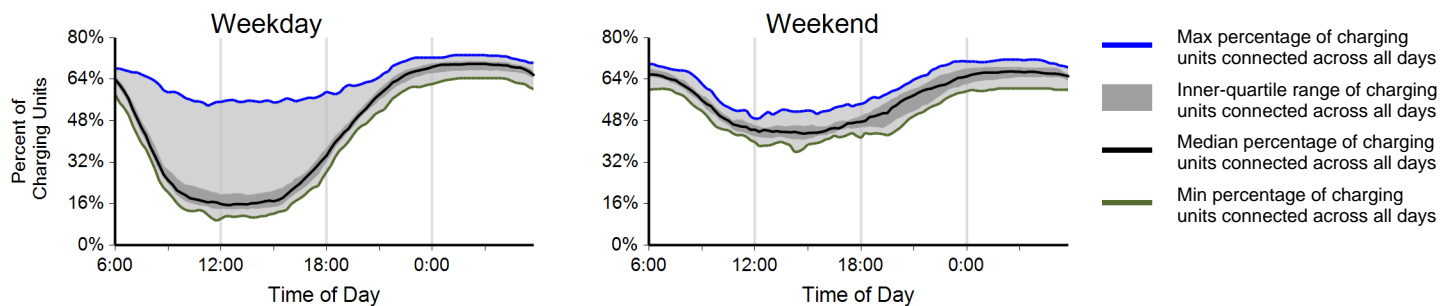


Charging Unit Usage

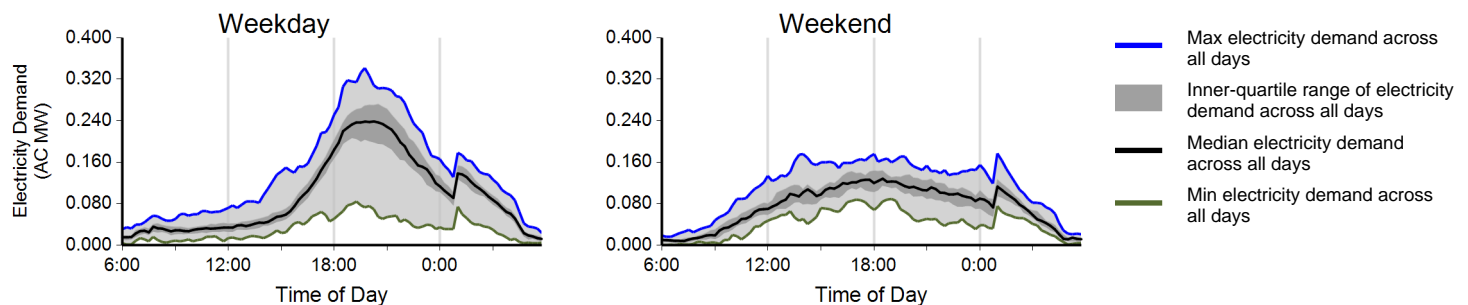
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	300	3	28	0	331
Number of charging events ²	26,294	47	340	0	26,681
Electricity consumed (AC MWh)	186.68	0.45	2.80	0.00	189.92
Percent of time with a vehicle connected to charging unit	53%	4%	2%	0%	48%
Percent of time with a vehicle drawing power from charging unit	10%	2%	1%	0%	9%

Number of Charge Events**Electricity Consumed****Charging Unit Utilization**

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

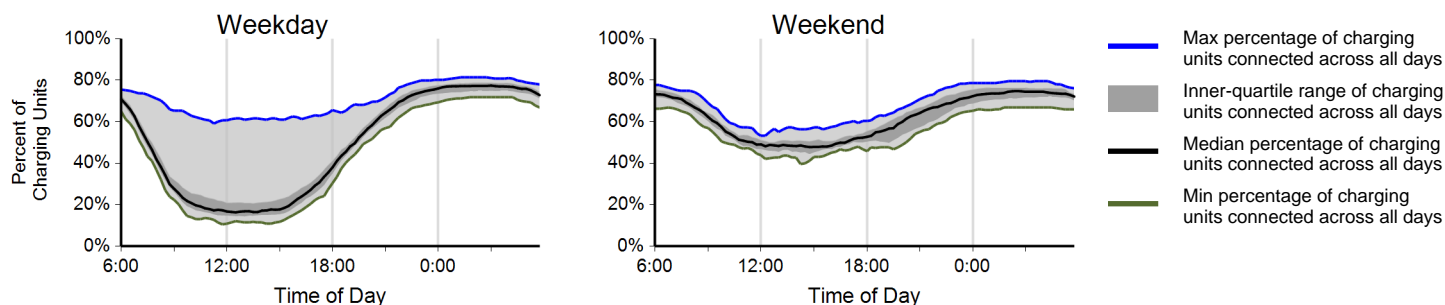
Region: Washington, D.C. Metropolitan Area

Report period: January 2013 through March 2013

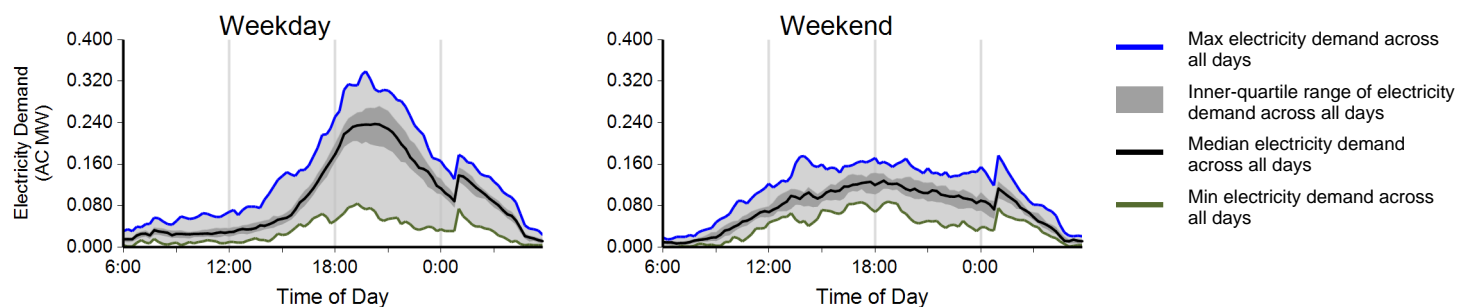
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	18,773	7,521	26,294
Electricity consumed (AC MWh)	140.58	46.10	186.68
Percent of time with a vehicle connected to EVSE	49%	61%	53%
Percent of time with a vehicle drawing power from EVSE	10%	8%	10%
Average number of charging events started per EVSE per day	1.06	1.05	1.06

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington, D.C. Metropolitan Area

Report period: January 2013 through March 2013

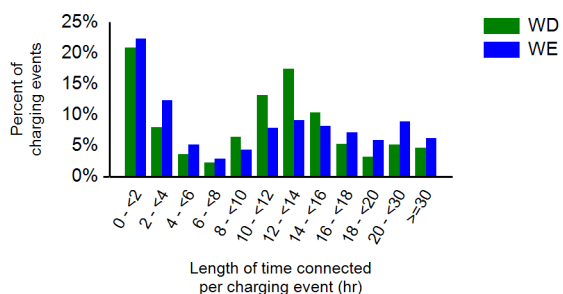
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	10%	90%	0%
Percent of electricity consumed	12%	88%	0%

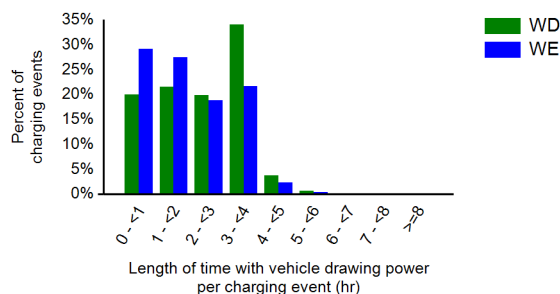
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.1	12.1	12.1
Average length of time with vehicle drawing power per charging event (hr)	2.3	1.9	2.2
Average electricity consumed per charging event (AC kWh)	7.5	6.1	7.1

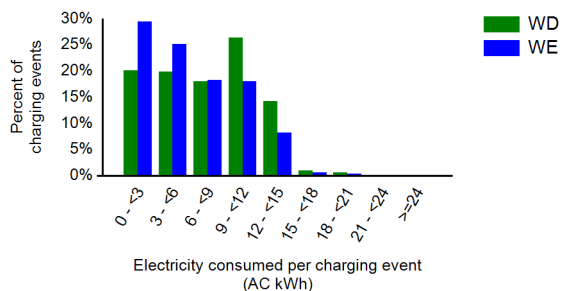
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

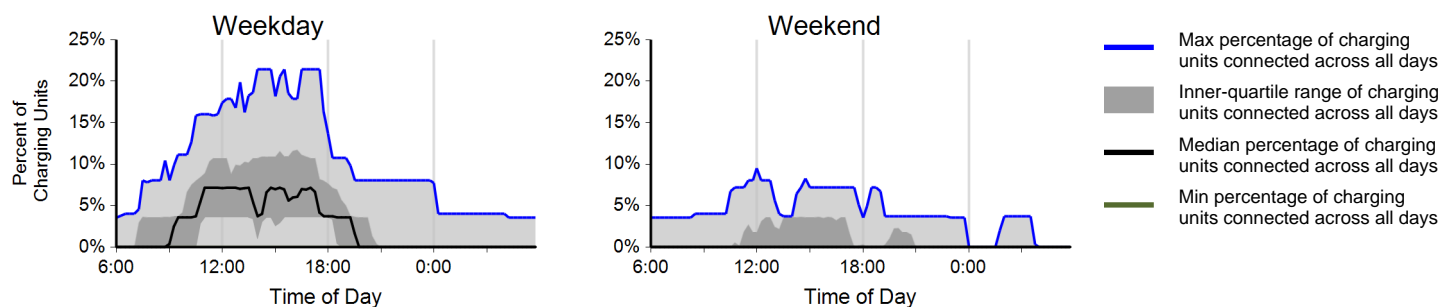
Region: Washington, D.C. Metropolitan Area

Report period: January 2013 through March 2013

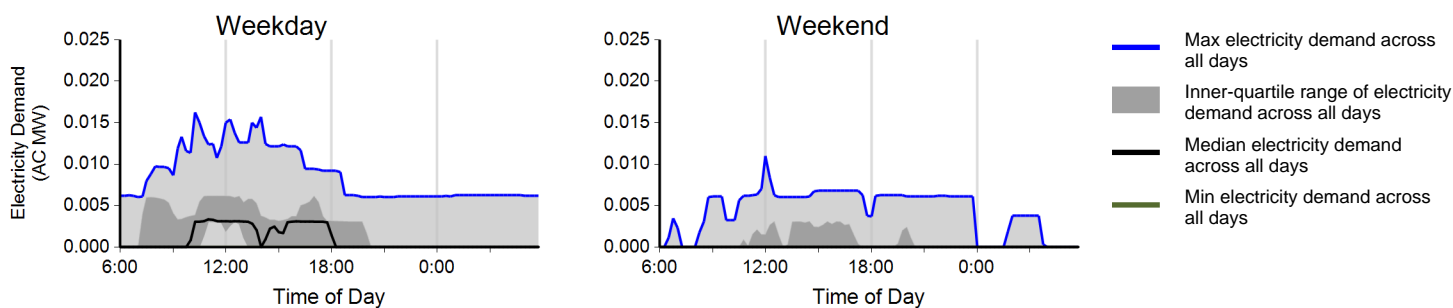
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	293	47	340
Electricity consumed (AC MWh)	2.41	0.39	2.80
Percent of time with a vehicle connected to EVSE	3%	1%	2%
Percent of time with a vehicle drawing power from EVSE	2%	1%	1%
Average number of charging events started per EVSE per day	0.17	0.07	0.14

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington, D.C. Metropolitan Area

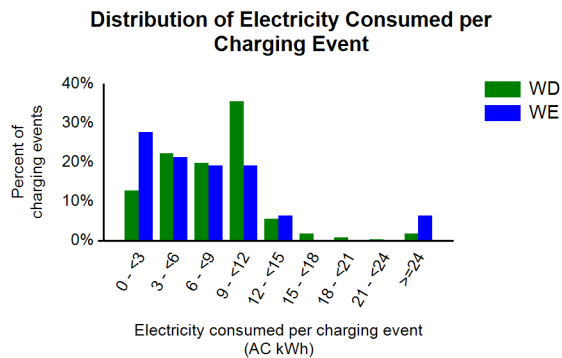
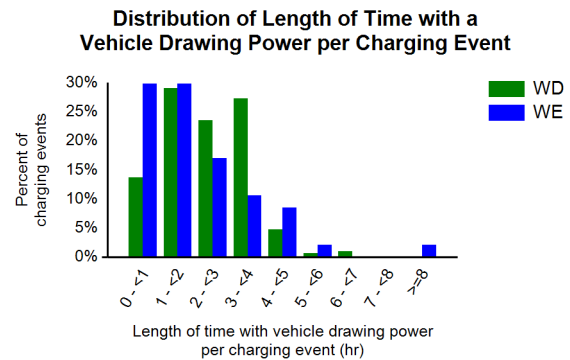
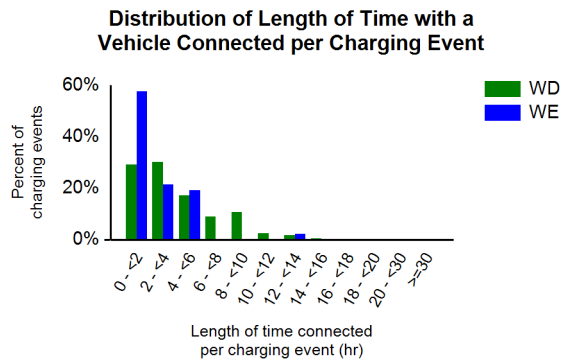
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	25%	75%
Percent of electricity consumed	0%	18%	82%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.1	2.4	3.9
Average length of time with vehicle drawing power per charging event (hr)	2.3	2.1	2.3
Average electricity consumed per charging event (AC kWh)	8.2	8.2	8.2



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Oregon

Report period: January 2013 through March 2013

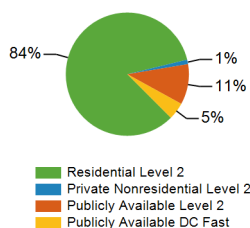
Number of EV Project vehicles in region: 512



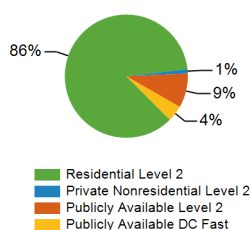
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	515	16	374	14	919
Number of charging events ²	39,537	554	5,013	2,130	47,234
Electricity consumed (AC MWh)	318.39	4.19	33.37	15.64	371.59
Percent of time with a vehicle connected to charging unit	44%	34%	5%	3%	27%
Percent of time with a vehicle drawing power from charging unit	9%	10%	1%	3%	6%

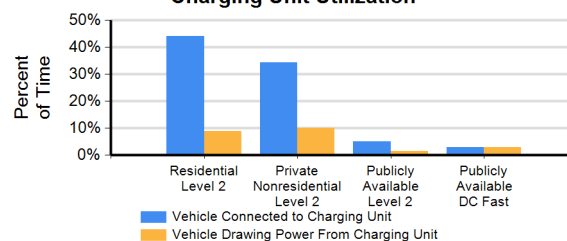
Number of Charge Events



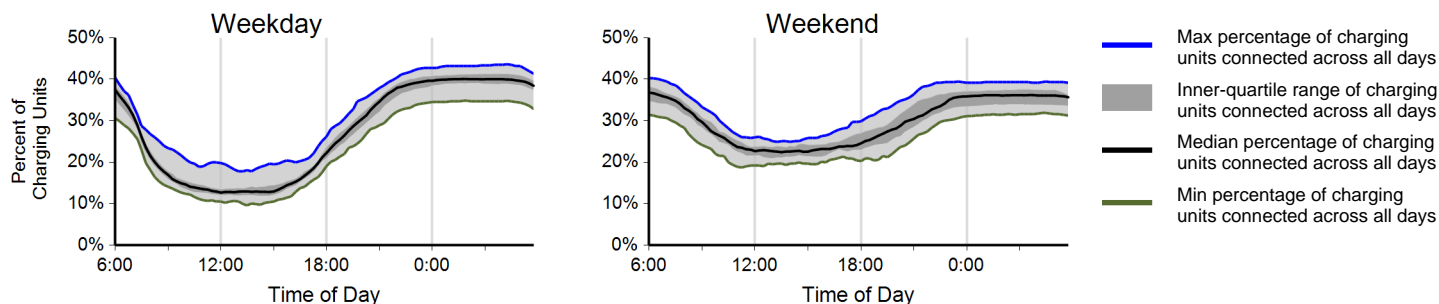
Electricity Consumed



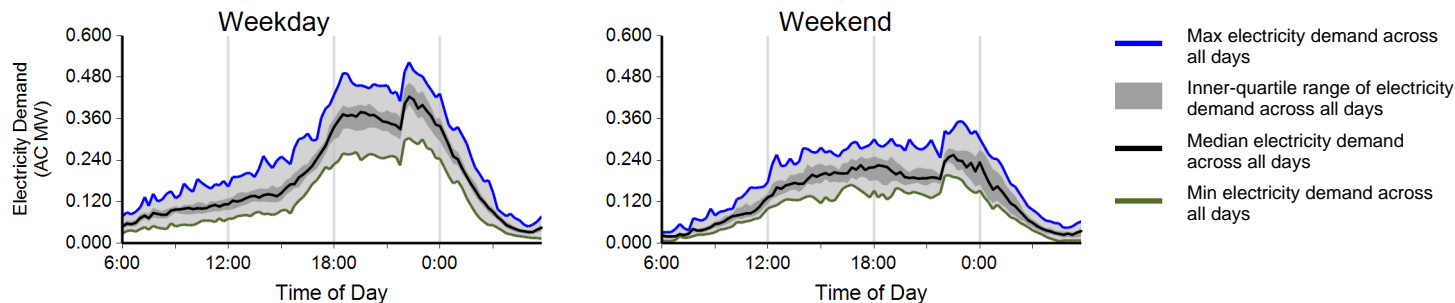
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

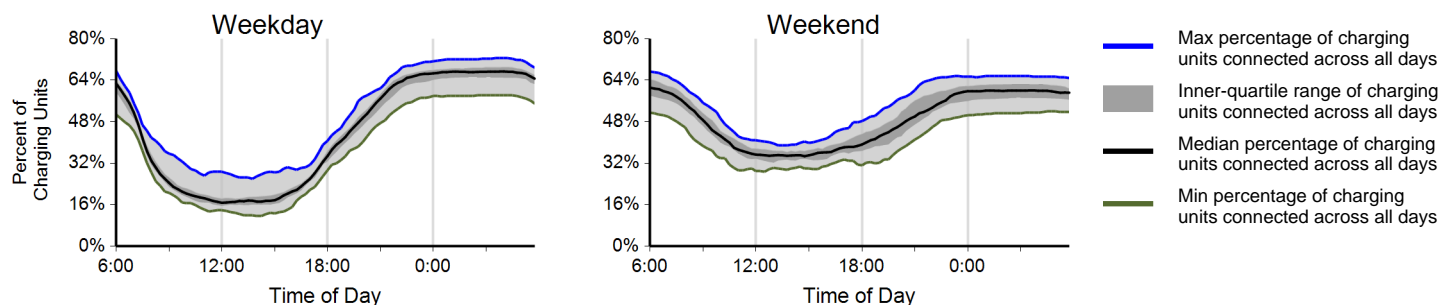
Region: Oregon

Report period: January 2013 through March 2013

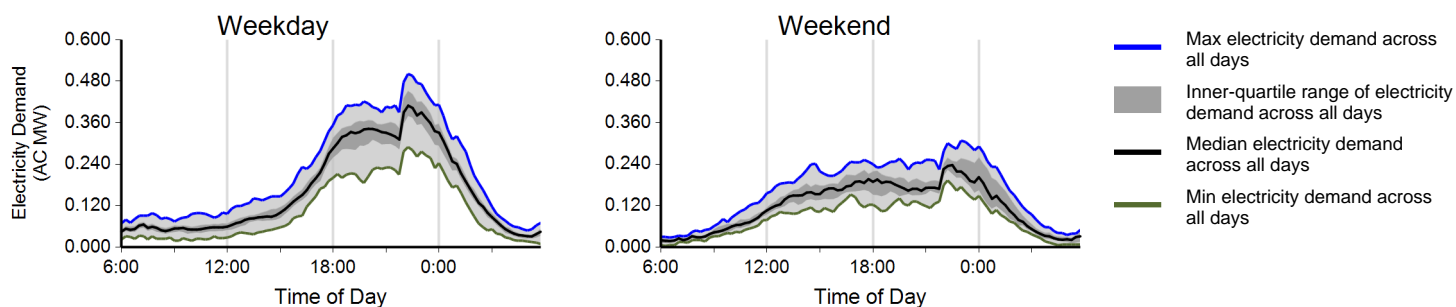
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	29,323	10,214	39,537
Electricity consumed (AC MWh)	244.23	74.16	318.39
Percent of time with a vehicle connected to EVSE	43%	48%	44%
Percent of time with a vehicle drawing power from EVSE	10%	7%	9%
Average number of charging events started per EVSE per day	0.94	0.82	0.91

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Oregon

Report period: January 2013 through March 2013

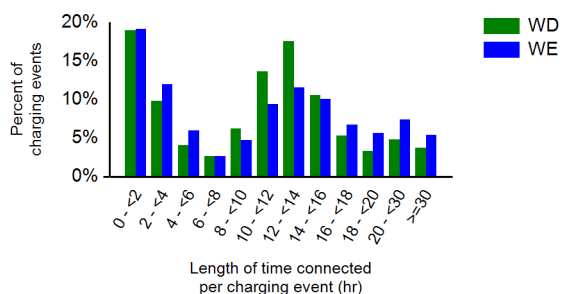
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	70%	30%	0%
Percent of electricity consumed	75%	25%	0%

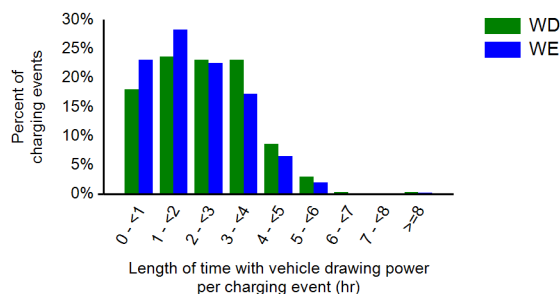
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.7	12.1	11.8
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.1	2.4
Average electricity consumed per charging event (AC kWh)	8.3	7.3	8.1

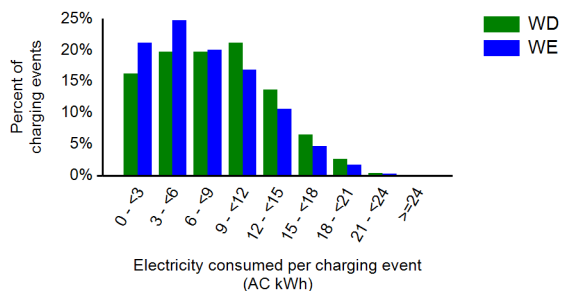
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

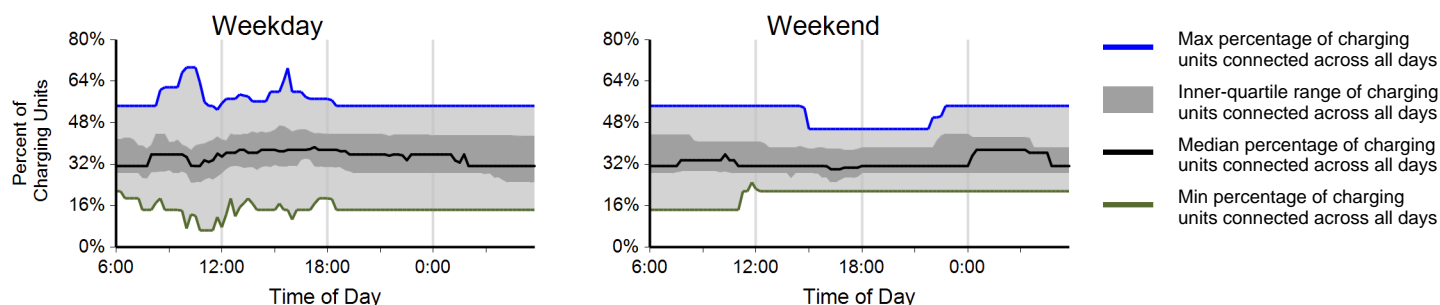
Region: Oregon

Report period: January 2013 through March 2013

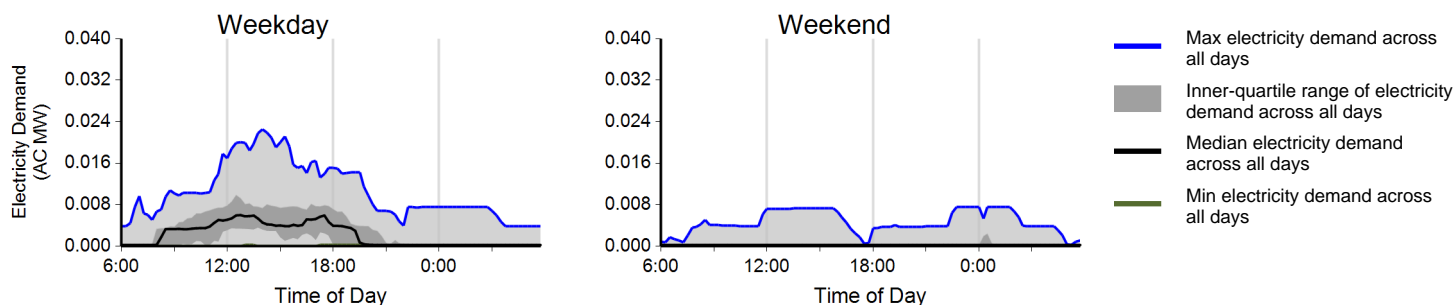
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	525	29	554
Electricity consumed (AC MWh)	3.86	0.32	4.19
Percent of time with a vehicle connected to EVSE	34%	34%	34%
Percent of time with a vehicle drawing power from EVSE	11%	7%	10%
Average number of charging events started per EVSE per day	0.59	0.08	0.44

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Oregon

Report period: January 2013 through March 2013

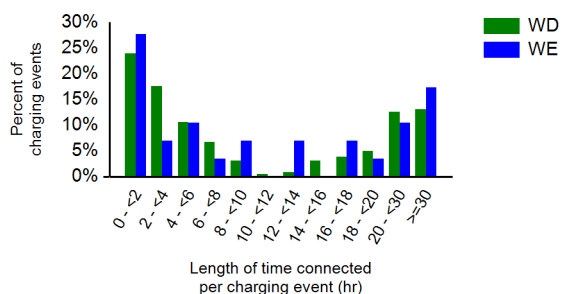
Vehicles Charged

	Car2Go fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	31%	5%	3%	61%
Percent of electricity consumed	32%	7%	2%	59%

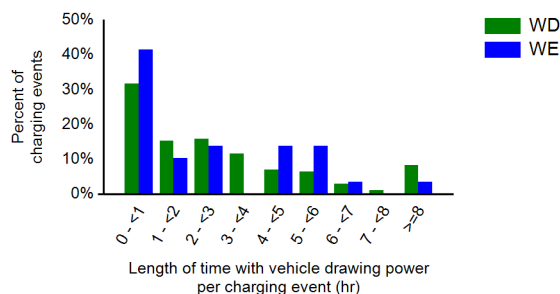
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	19.0	15.2	18.8
Average length of time with vehicle drawing power per charging event (hr)	5.7	3.5	5.6
Average electricity consumed per charging event (AC kWh)	7.5	7.7	7.6

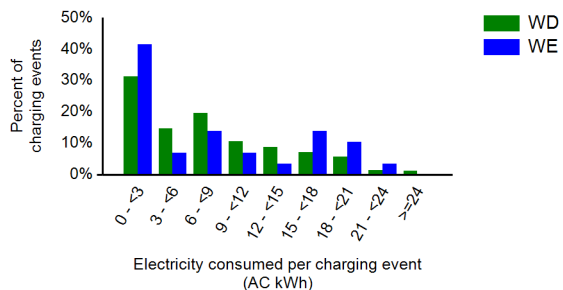
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car2Go operates a car sharing fleet of Smart Fortwo Electric Drive vehicles in this region. Usage of private nonresidential EV Project charging units to charge these vehicles is included in this report.

Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

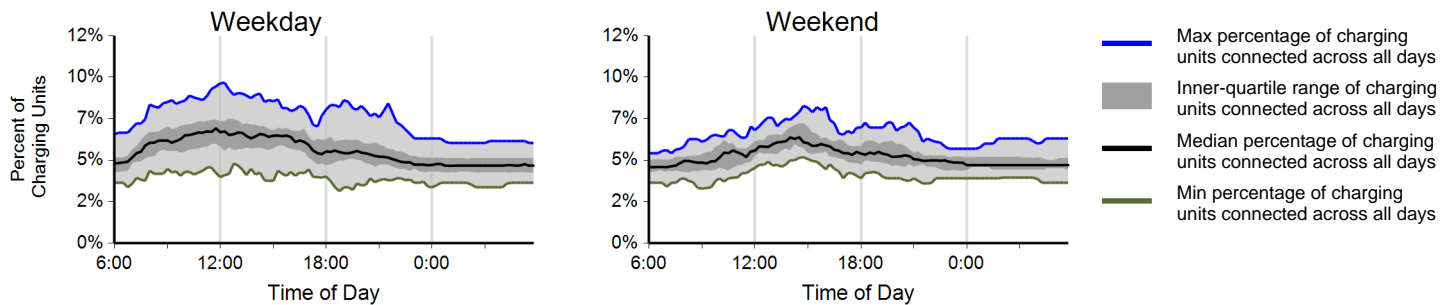
Region: Oregon

Report period: January 2013 through March 2013

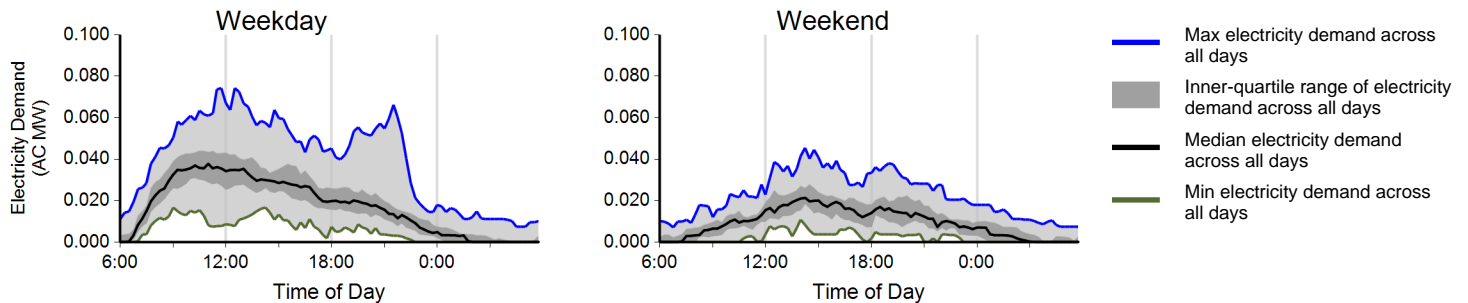
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	4,040	973	5,013
Electricity consumed (AC MWh)	27.22	6.15	33.37
Percent of time with a vehicle connected to EVSE	5%	5%	5%
Percent of time with a vehicle drawing power from EVSE	2%	1%	1%
Average number of charging events started per EVSE per day	0.18	0.11	0.16

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Oregon

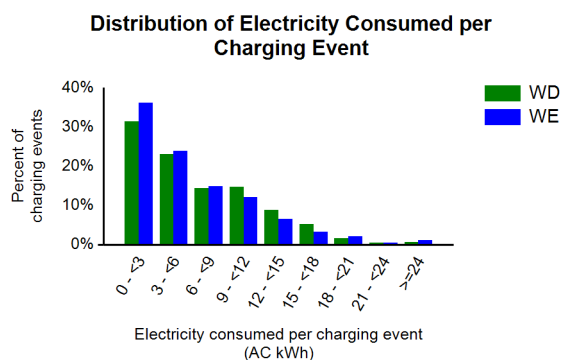
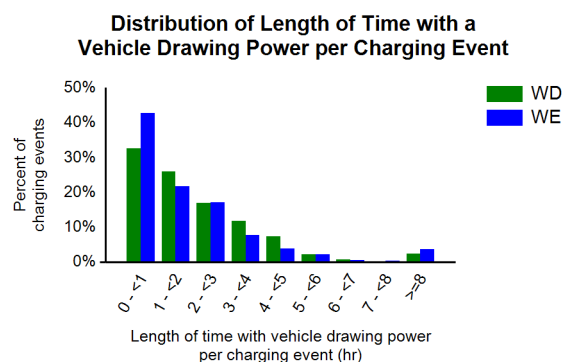
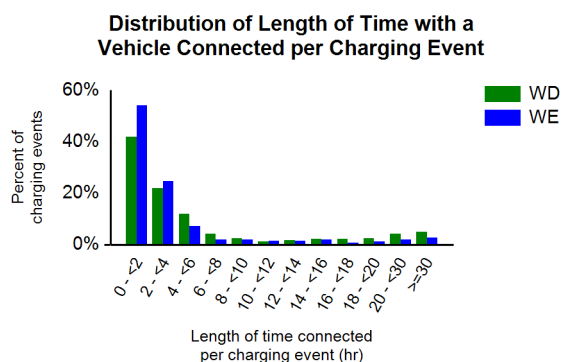
Report period: January 2013 through March 2013

Vehicles Charged

	Car2Go fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	1%	29%	4%	66%
Percent of electricity consumed	2%	29%	4%	65%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	8.6	4.8	7.9
Average length of time with vehicle drawing power per charging event (hr)	2.2	2.1	2.2
Average electricity consumed per charging event (AC kWh)	6.7	6.3	6.7



¹ Car2Go operates a car sharing fleet of Smart Fortwo Electric Drive vehicles in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.

DC Fast Chargers

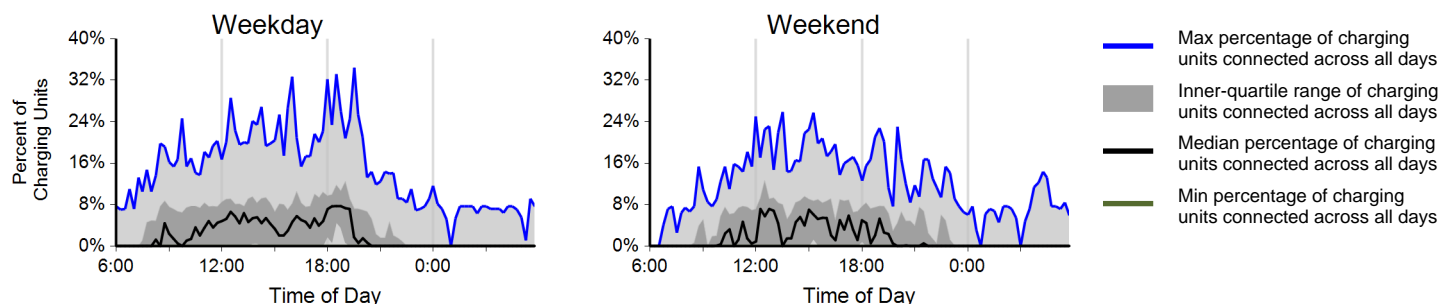
Region: Oregon

Report period: January 2013 through March 2013

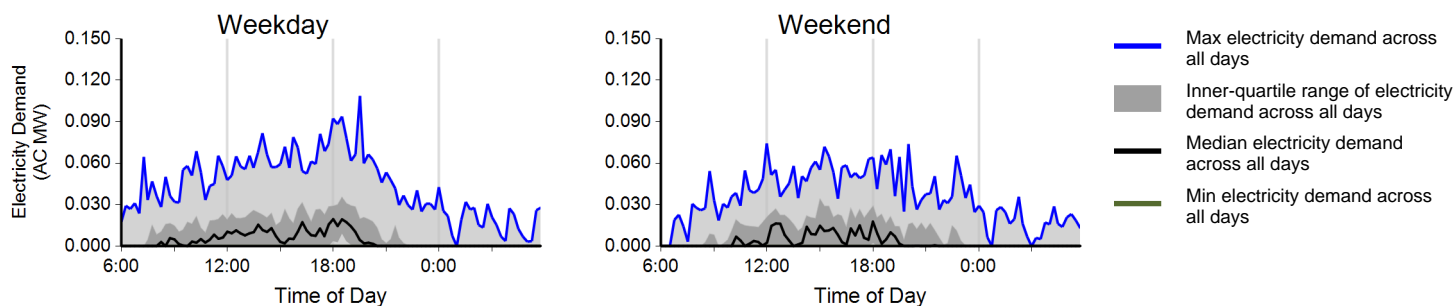
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,565	565	2,130
Electricity consumed (AC MWh)	11.36	4.28	15.64
Percent of time with a vehicle connected to EVSE	3%	3%	3%
Percent of time with a vehicle drawing power from EVSE	3%	3%	3%
Average number of charging events started per EVSE per day	1.93	1.73	1.87

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



DC Fast Chargers

Region: Oregon

Report period: January 2013 through March 2013

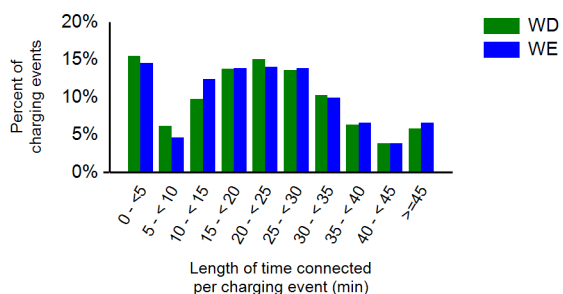
Vehicles Charged

	Car2Go fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	41%	0%	59%
Percent of electricity consumed	0%	42%	0%	58%

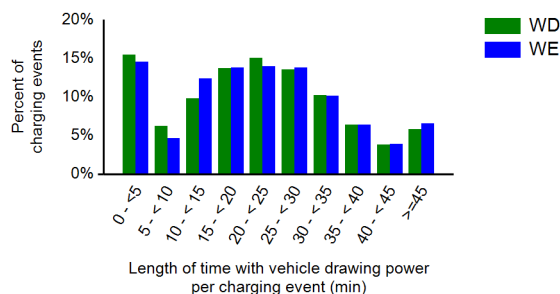
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (min)	21.8	22.3	21.9
Average length of time with vehicle drawing power per charging event (min)	21.8	22.2	21.9
Average electricity consumed per charging event (AC kWh)	7.3	7.6	7.3

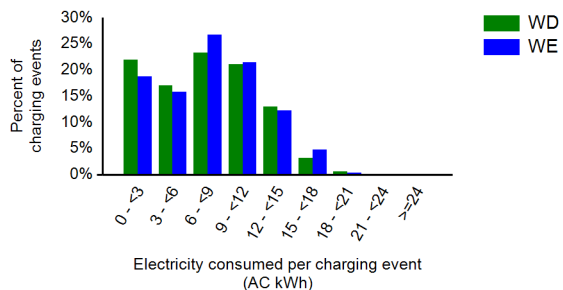
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



¹ Car2Go operates a car sharing fleet of Smart Fortwo Electric Drive vehicles in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Chattanooga, TN Metropolitan Area

Report period: January 2013 through March 2013

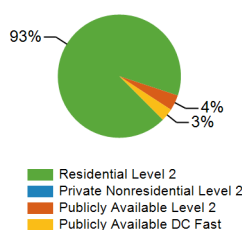
Number of EV Project vehicles in region: 60



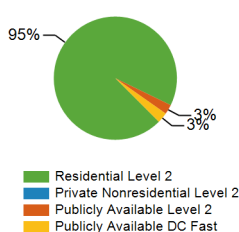
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	57	0	35	7	99
Number of charging events ²	4,109	0	182	148	4,439
Electricity consumed (AC MWh)	37.75	0.00	1.01	1.10	39.87
Percent of time with a vehicle connected to charging unit	41%	0%	0%	0%	24%
Percent of time with a vehicle drawing power from charging unit	9%	0%	0%	0%	5%

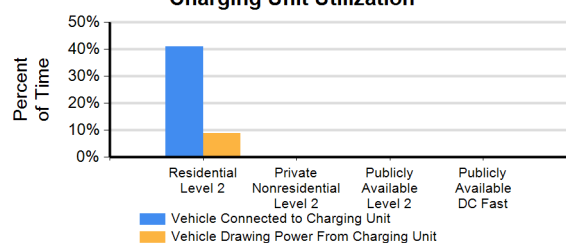
Number of Charge Events



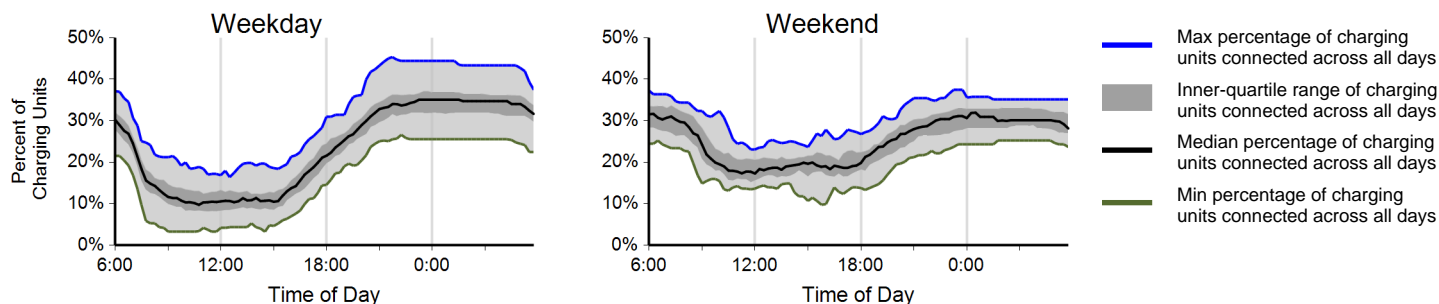
Electricity Consumed



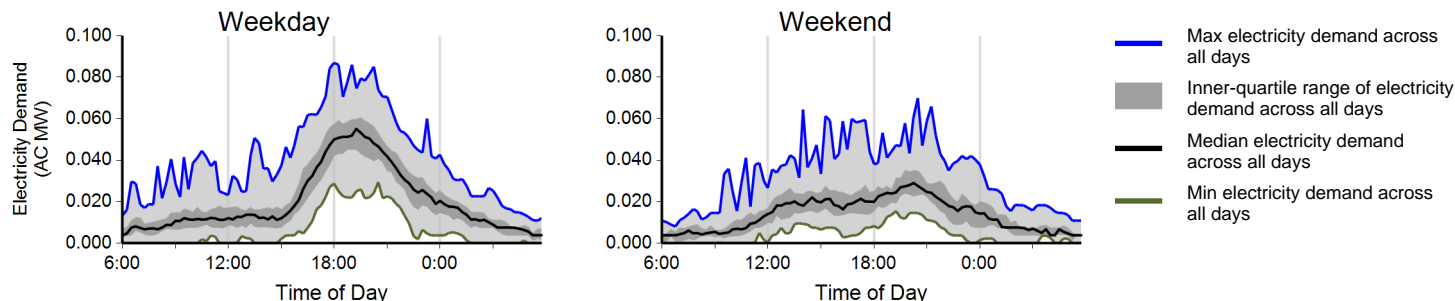
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

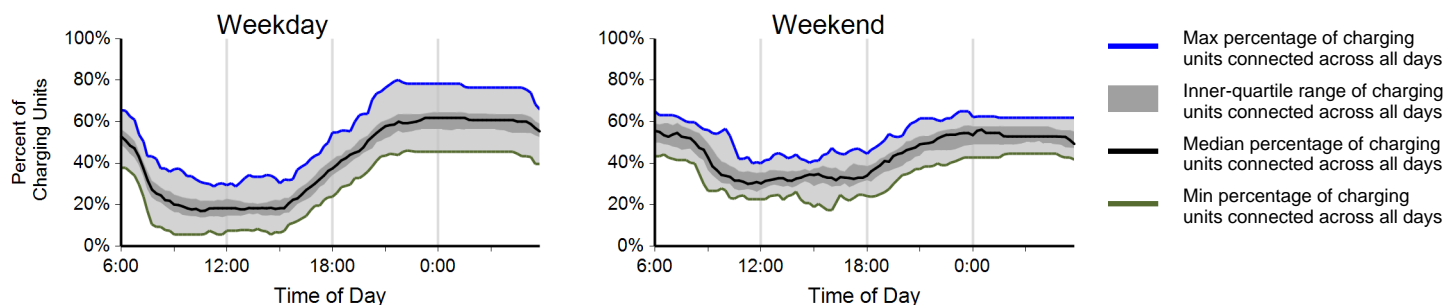
Region: Chattanooga, TN Metropolitan Area

Report period: January 2013 through March 2013

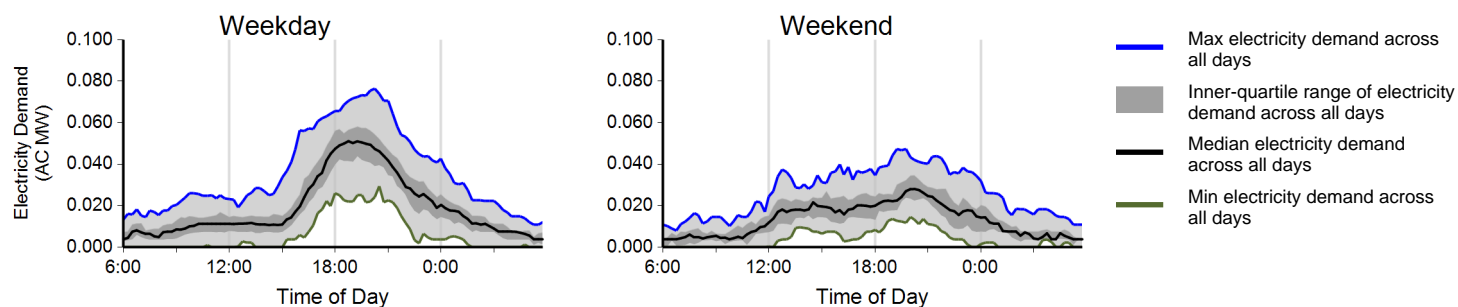
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,063	1,046	4,109
Electricity consumed (AC MWh)	29.37	8.38	37.75
Percent of time with a vehicle connected to EVSE	40%	43%	41%
Percent of time with a vehicle drawing power from EVSE	10%	7%	9%
Average number of charging events started per EVSE per day	0.88	0.74	0.84

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Chattanooga, TN Metropolitan Area

Report period: January 2013 through March 2013

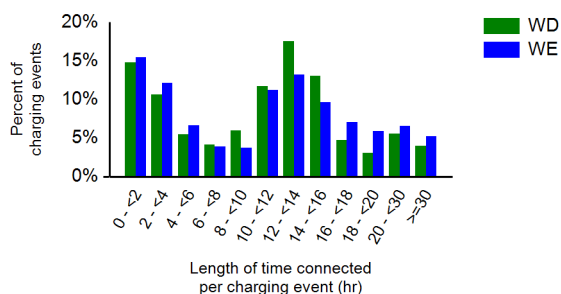
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	83%	17%	0%
Percent of electricity consumed	85%	15%	0%

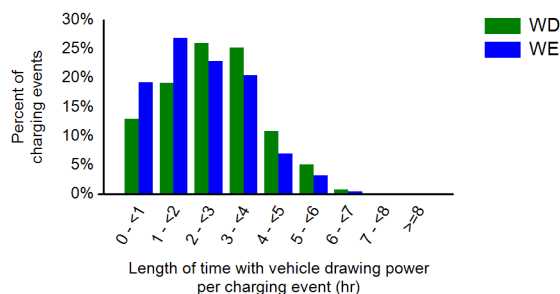
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.7	12.1	11.8
Average length of time with vehicle drawing power per charging event (hr)	2.7	2.3	2.6
Average electricity consumed per charging event (AC kWh)	9.6	8.0	9.2

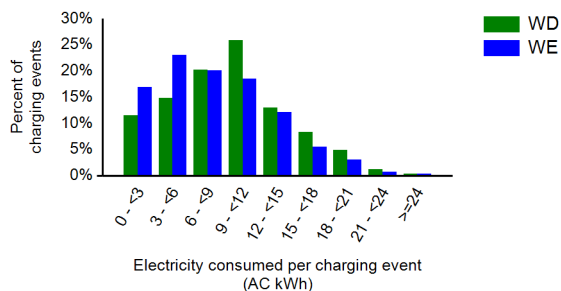
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

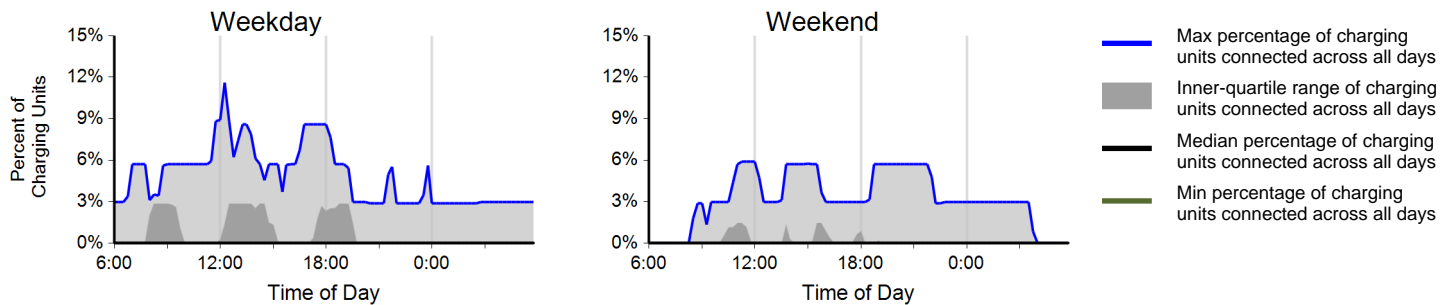
Region: Chattanooga, TN Metropolitan Area

Report period: January 2013 through March 2013

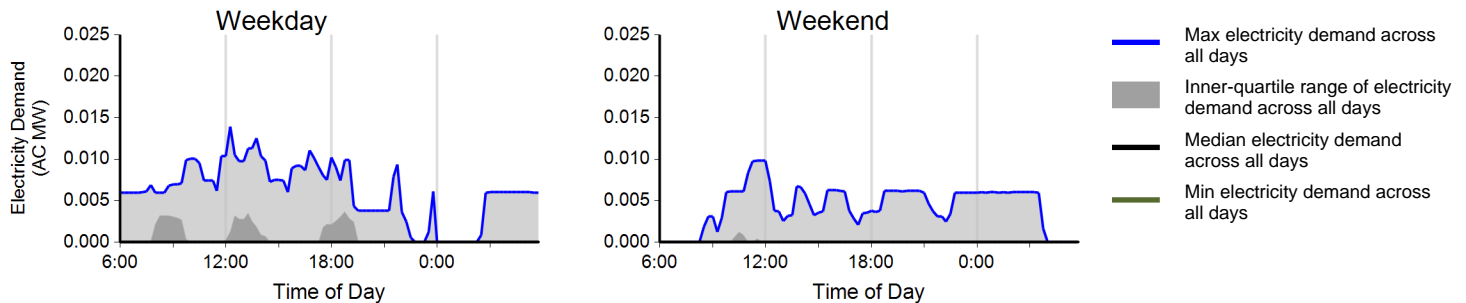
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	141	41	182
Electricity consumed (AC MWh)	0.80	0.21	1.01
Percent of time with a vehicle connected to EVSE	0%	0%	0%
Percent of time with a vehicle drawing power from EVSE	0%	0%	0%
Average number of charging events started per EVSE per day	0.06	0.05	0.06

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Chattanooga, TN Metropolitan Area

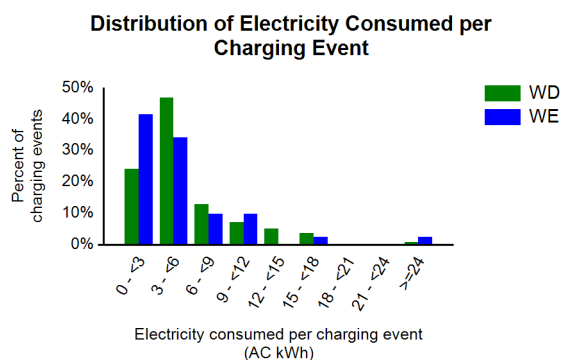
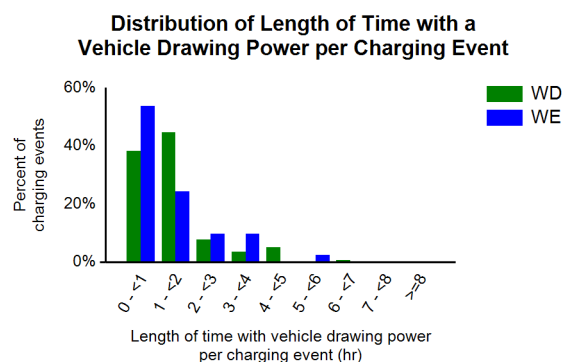
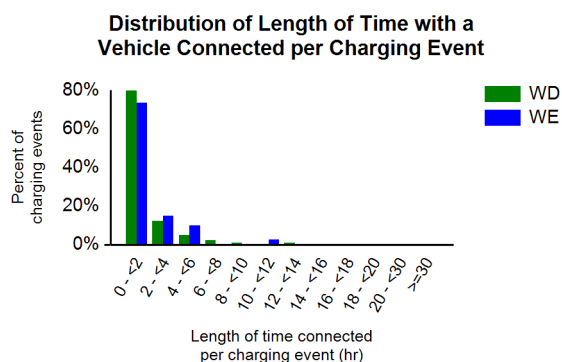
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	41%	13%	46%
Percent of electricity consumed	35%	13%	53%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	1.9	1.8	1.8
Average length of time with vehicle drawing power per charging event (hr)	1.6	1.3	1.5
Average electricity consumed per charging event (AC kWh)	5.7	5.1	5.6



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

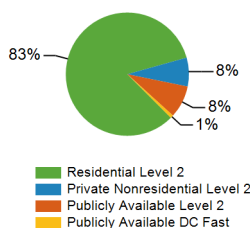
Number of EV Project vehicles in region: 105



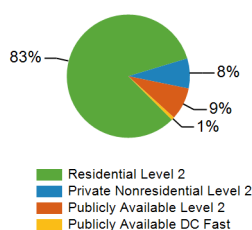
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	105	33	86	3	227
Number of charging events ²	7,517	683	768	71	9,039
Electricity consumed (AC MWh)	63.82	6.06	6.56	0.60	77.04
Percent of time with a vehicle connected to charging unit	45%	6%	3%	0%	24%
Percent of time with a vehicle drawing power from charging unit	9%	3%	1%	0%	5%

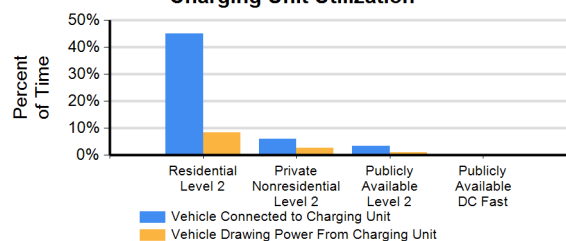
Number of Charge Events



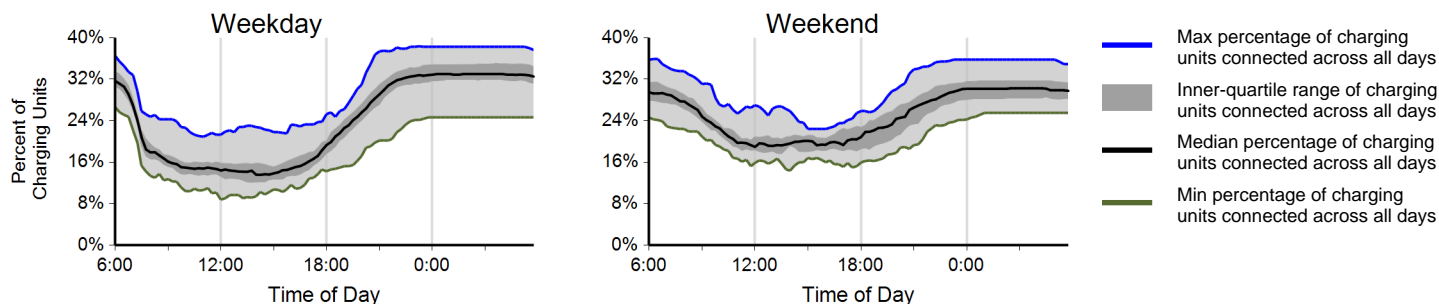
Electricity Consumed



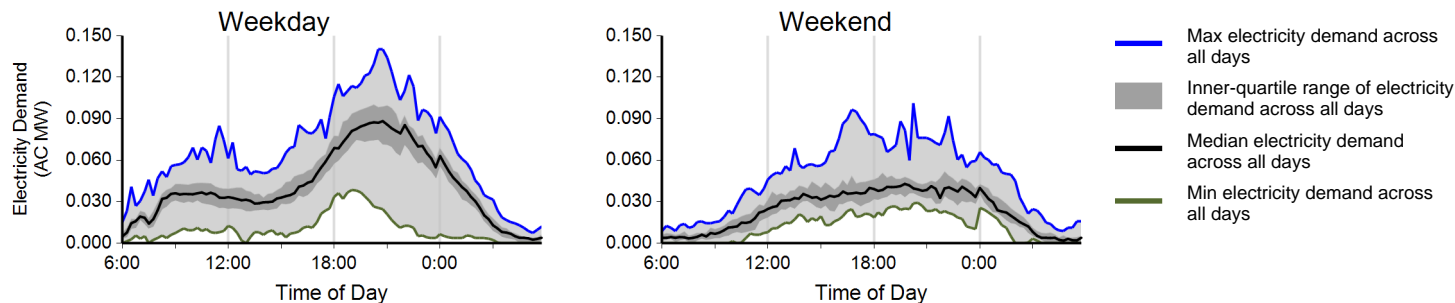
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

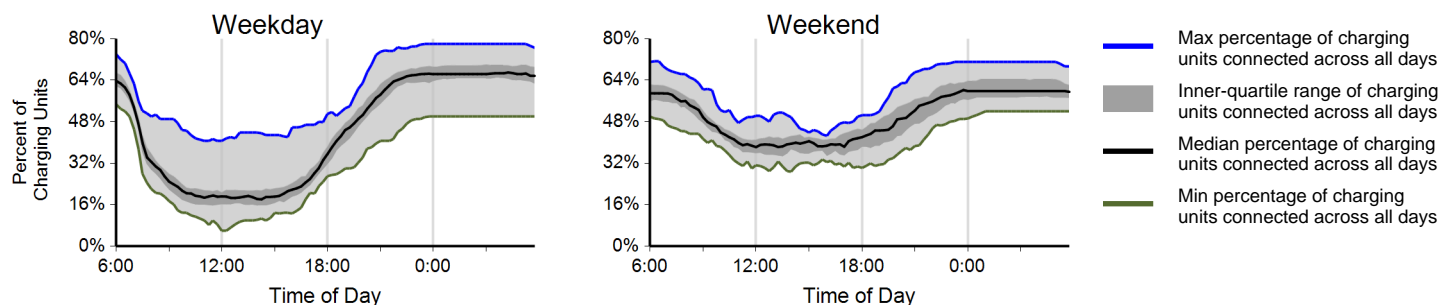
Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

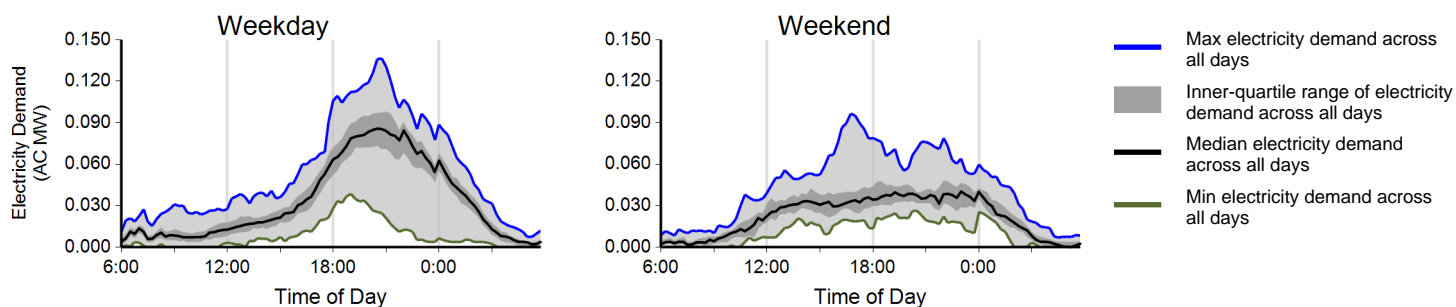
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	5,575	1,942	7,517
Electricity consumed (AC MWh)	49.70	14.12	63.82
Percent of time with a vehicle connected to EVSE	43%	50%	45%
Percent of time with a vehicle drawing power from EVSE	9%	7%	9%
Average number of charging events started per EVSE per day	0.87	0.76	0.84

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

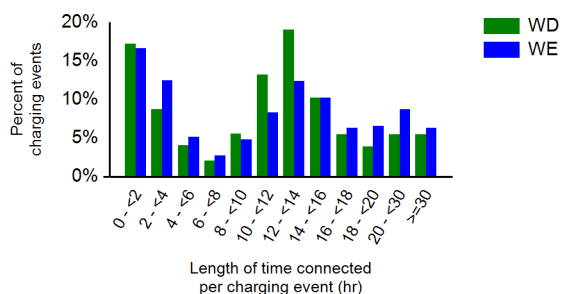
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	68%	32%	0%
Percent of electricity consumed	74%	26%	0%

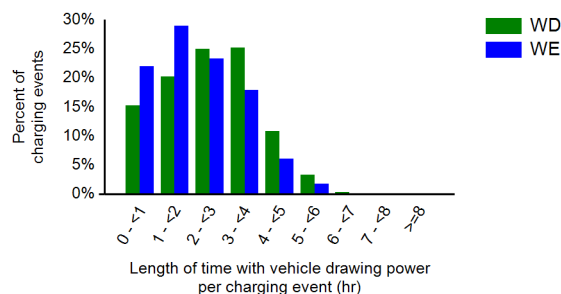
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.9	13.2	13.0
Average length of time with vehicle drawing power per charging event (hr)	2.6	2.1	2.5
Average electricity consumed per charging event (AC kWh)	8.9	7.3	8.5

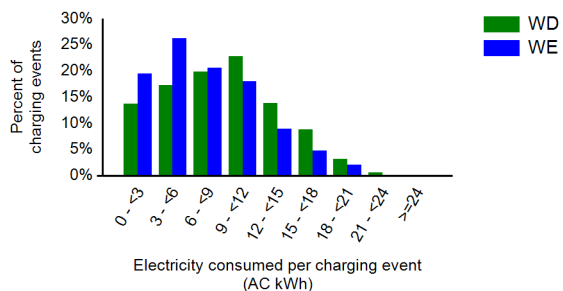
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

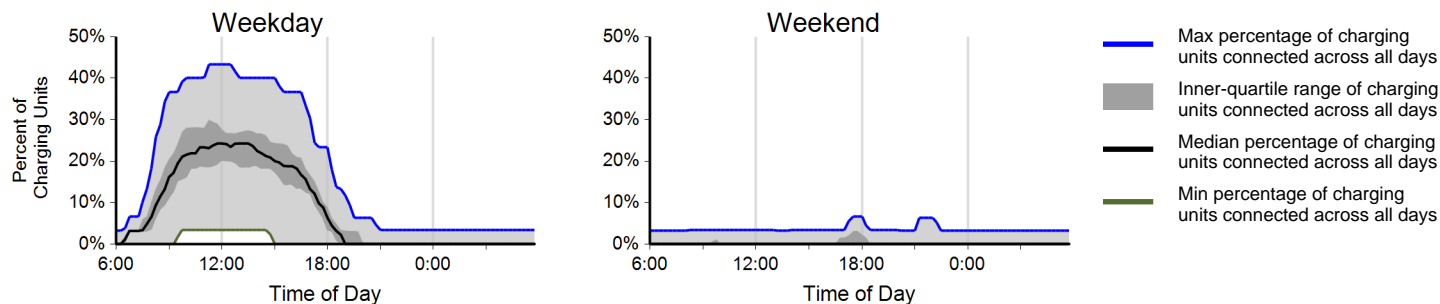
Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

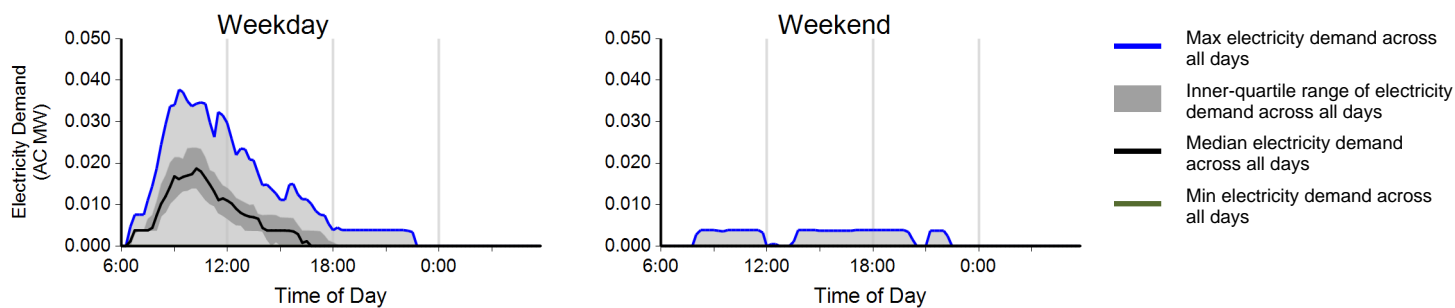
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	668	15	683
Electricity consumed (AC MWh)	5.98	0.08	6.06
Percent of time with a vehicle connected to EVSE	8%	0%	6%
Percent of time with a vehicle drawing power from EVSE	4%	0%	3%
Average number of charging events started per EVSE per day	0.33	0.02	0.24

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

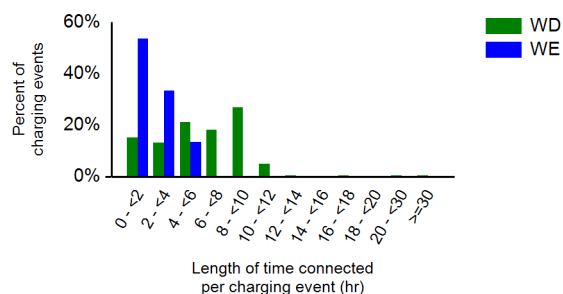
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	5%	2%	92%
Percent of electricity consumed	5%	2%	92%

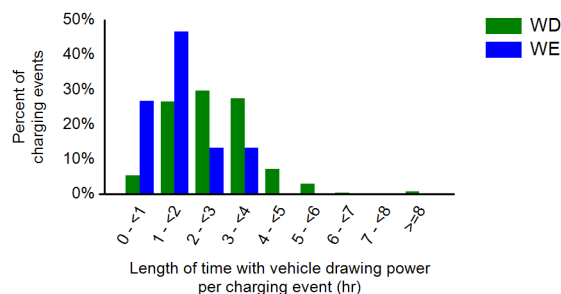
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.1	2.2	6.0
Average length of time with vehicle drawing power per charging event (hr)	2.8	1.5	2.7
Average electricity consumed per charging event (AC kWh)	8.9	5.5	8.9

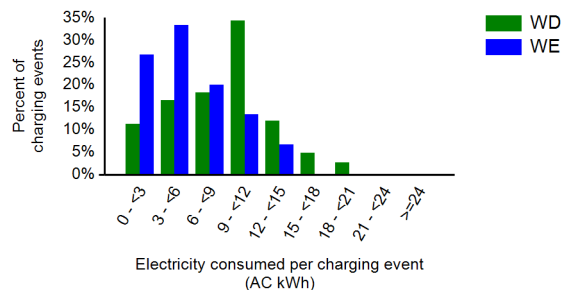
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

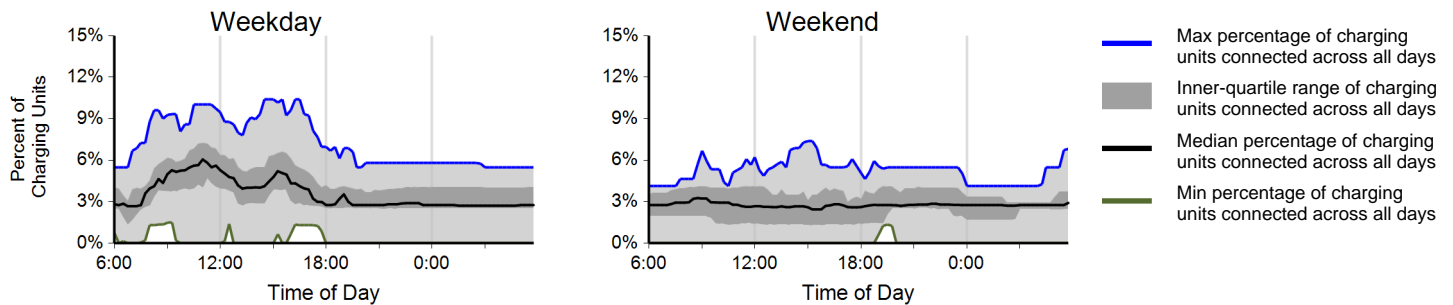
Region: Knoxville, TN Metropolitan Area

Report period: January 2013 through March 2013

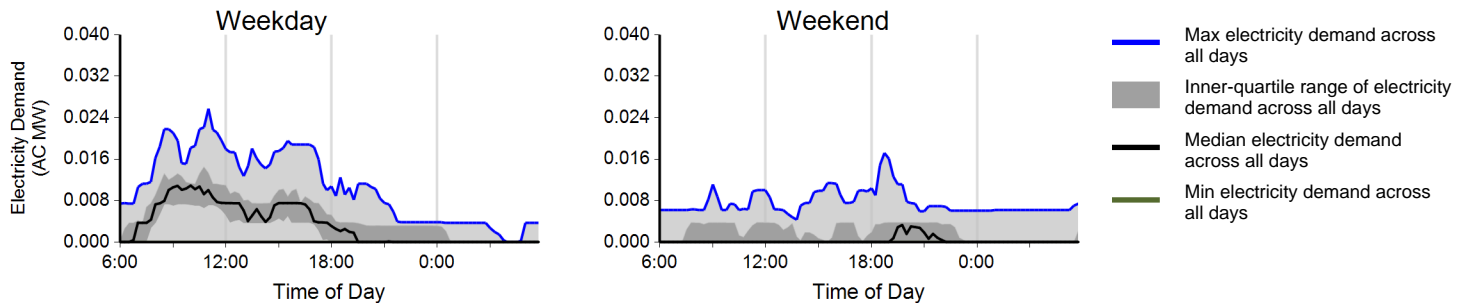
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	666	102	768
Electricity consumed (AC MWh)	5.83	0.74	6.56
Percent of time with a vehicle connected to EVSE	4%	3%	3%
Percent of time with a vehicle drawing power from EVSE	1%	0%	1%
Average number of charging events started per EVSE per day	0.14	0.05	0.11

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Knoxville, TN Metropolitan Area

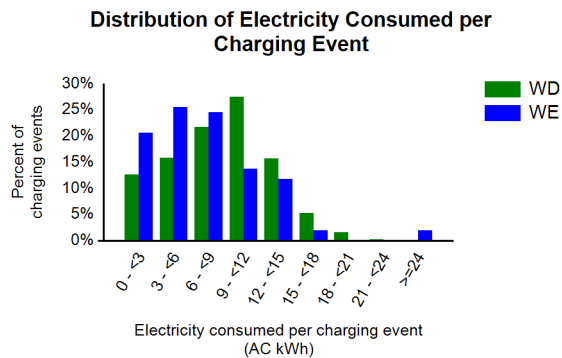
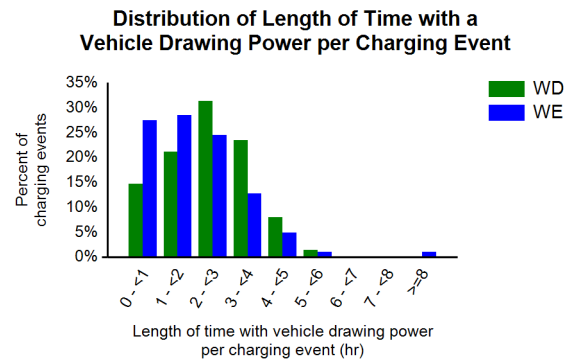
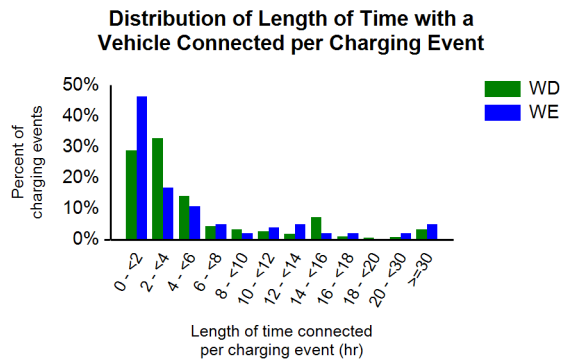
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	46%	2%	53%
Percent of electricity consumed	43%	1%	56%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	7.1	7.9	7.2
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.0	2.4
Average electricity consumed per charging event (AC kWh)	8.7	7.8	8.5



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Memphis, TN Metropolitan Area

Report period: January 2013 through March 2013

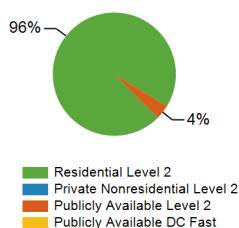
Number of EV Project vehicles in region: 69



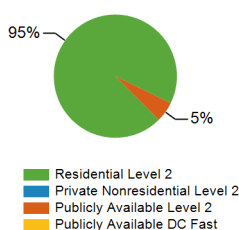
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	68	0	19	0	87
Number of charging events ²	5,103	0	200	0	5,303
Electricity consumed (AC MWh)	36.13	0.00	2.02	0.00	38.15
Percent of time with a vehicle connected to charging unit	47%	0%	4%	0%	38%
Percent of time with a vehicle drawing power from charging unit	8%	0%	2%	0%	7%

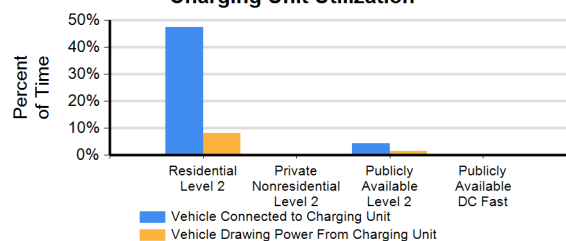
Number of Charge Events



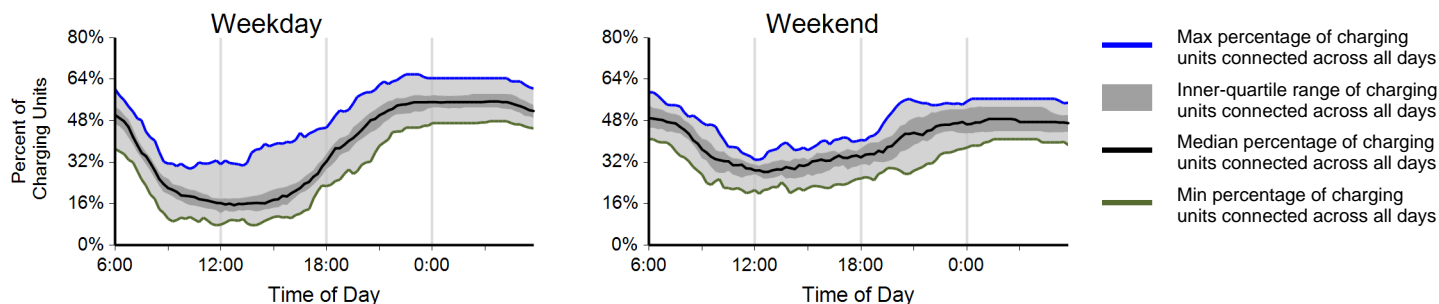
Electricity Consumed



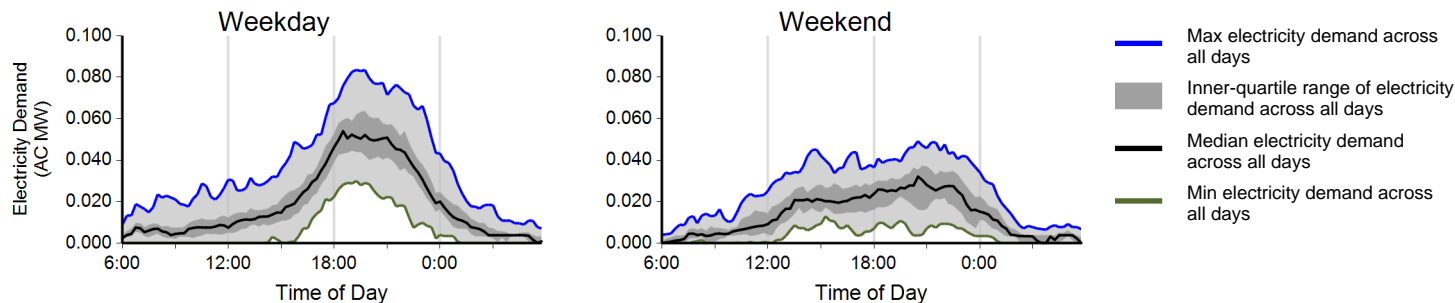
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

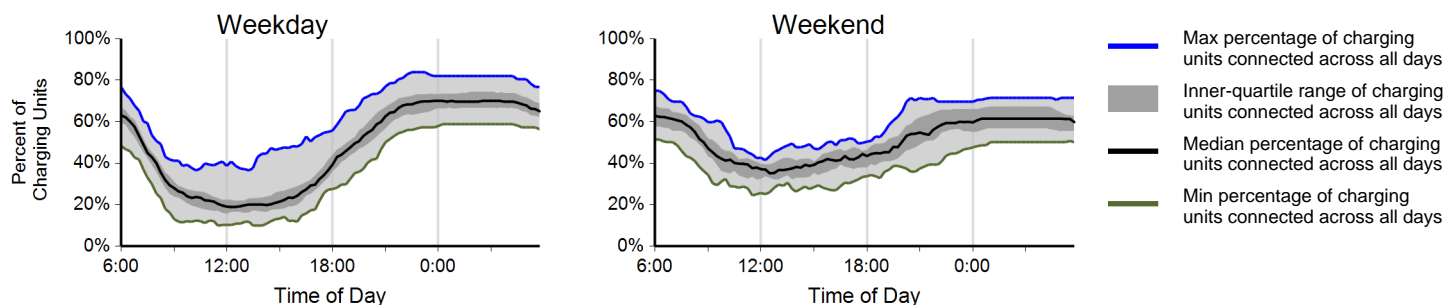
Region: Memphis, TN Metropolitan Area

Report period: January 2013 through March 2013

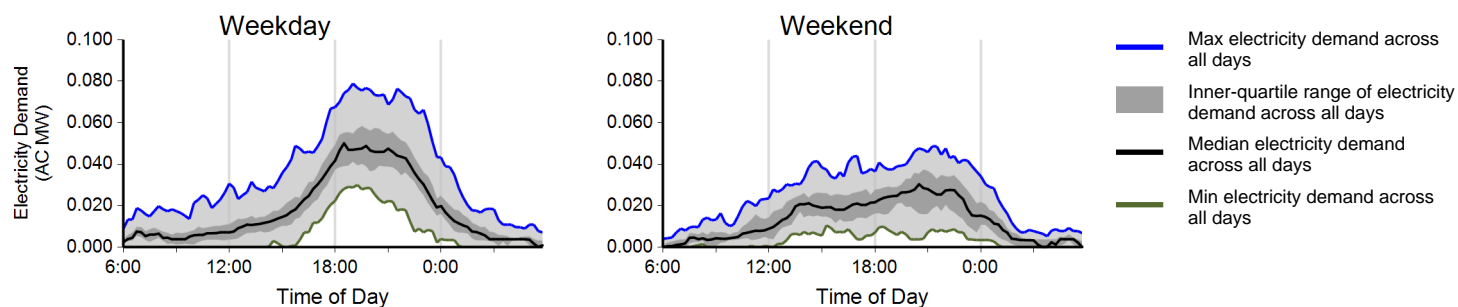
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,806	1,297	5,103
Electricity consumed (AC MWh)	27.98	8.15	36.13
Percent of time with a vehicle connected to EVSE	46%	51%	47%
Percent of time with a vehicle drawing power from EVSE	9%	6%	8%
Average number of charging events started per EVSE per day	0.99	0.83	0.94

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Memphis, TN Metropolitan Area

Report period: January 2013 through March 2013

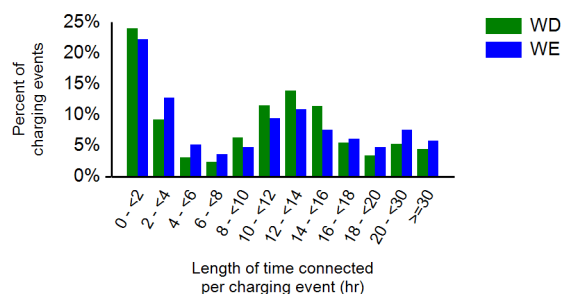
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	52%	48%	0%
Percent of electricity consumed	56%	44%	0%

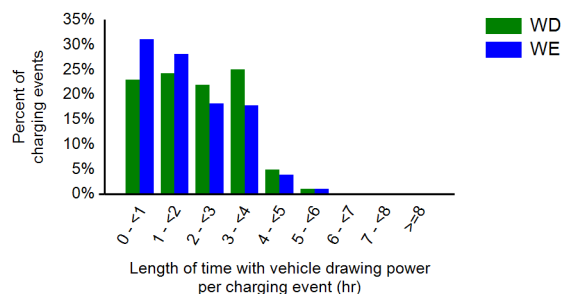
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.3	12.0	12.2
Average length of time with vehicle drawing power per charging event (hr)	2.2	1.9	2.1
Average electricity consumed per charging event (AC kWh)	7.3	6.3	7.1

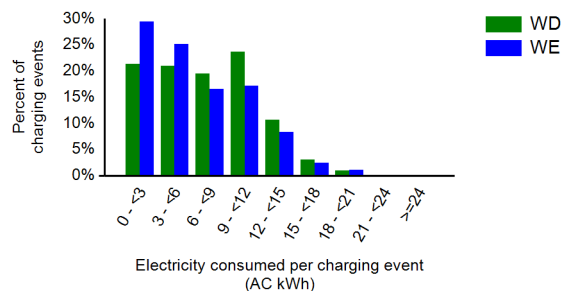
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

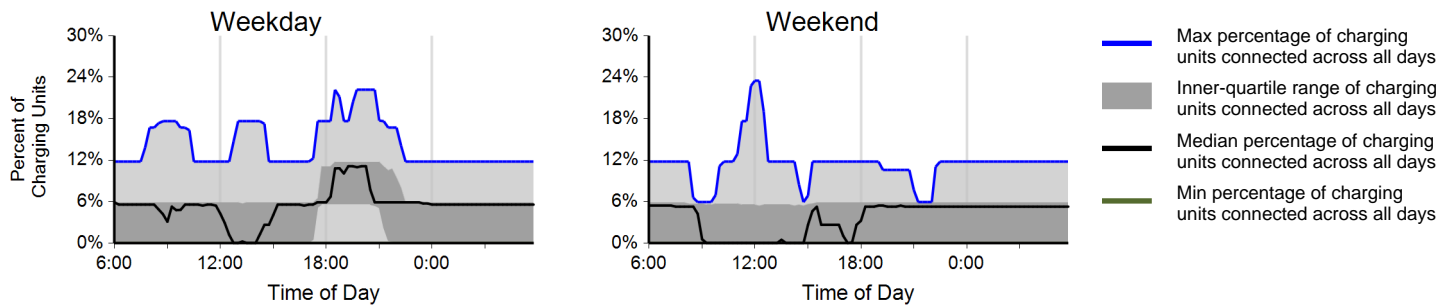
Region: Memphis, TN Metropolitan Area

Report period: January 2013 through March 2013

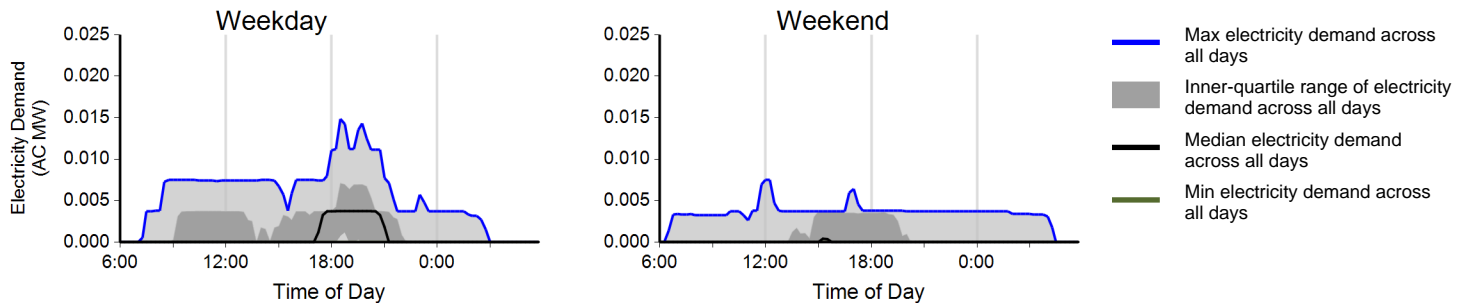
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	165	35	200
Electricity consumed (AC MWh)	1.69	0.33	2.02
Percent of time with a vehicle connected to EVSE	5%	3%	4%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.15	0.08	0.13

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Memphis, TN Metropolitan Area

Report period: January 2013 through March 2013

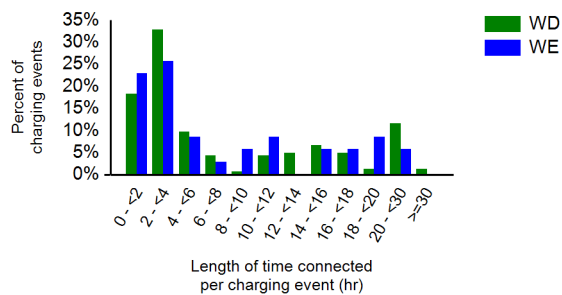
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	67%	23%	10%
Percent of electricity consumed	70%	23%	7%

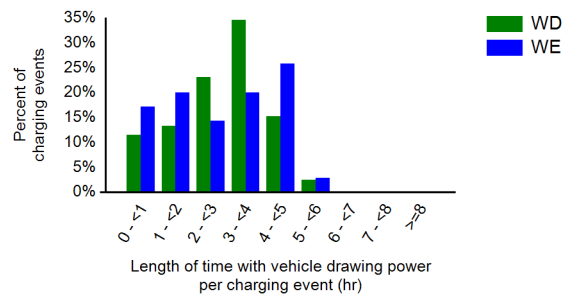
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	8.5	7.8	8.4
Average length of time with vehicle drawing power per charging event (hr)	2.9	2.8	2.9
Average electricity consumed per charging event (AC kWh)	10.2	9.4	10.1

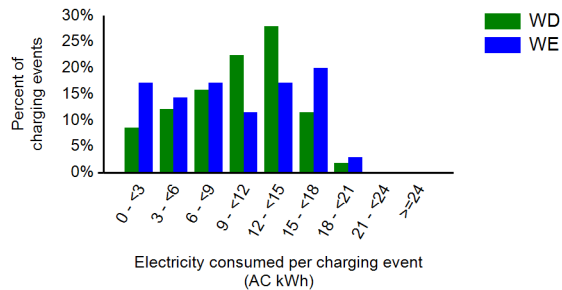
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Nashville, TN Metropolitan Area

Report period: January 2013 through March 2013

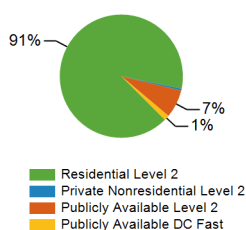
Number of EV Project vehicles in region: 545



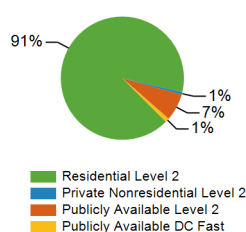
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	542	6	188	5	741
Number of charging events ²	40,153	219	3,263	601	44,236
Electricity consumed (AC MWh)	358.39	2.40	28.07	4.18	393.03
Percent of time with a vehicle connected to charging unit	43%	11%	4%	2%	33%
Percent of time with a vehicle drawing power from charging unit	9%	6%	2%	2%	7%

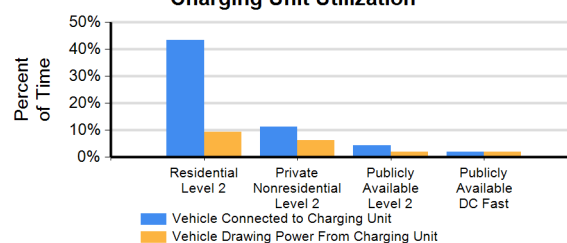
Number of Charge Events



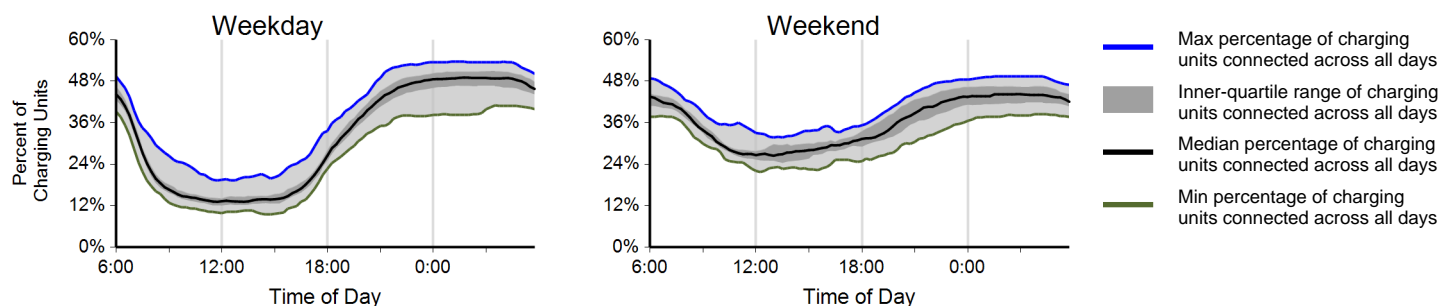
Electricity Consumed



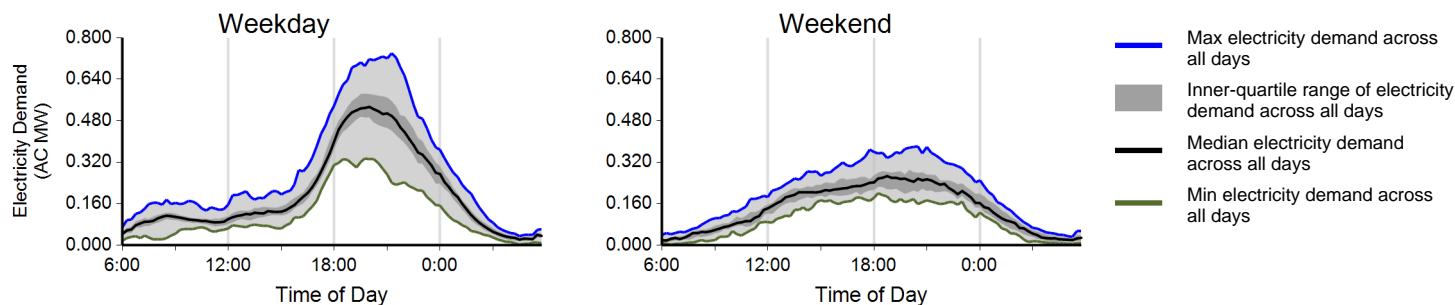
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

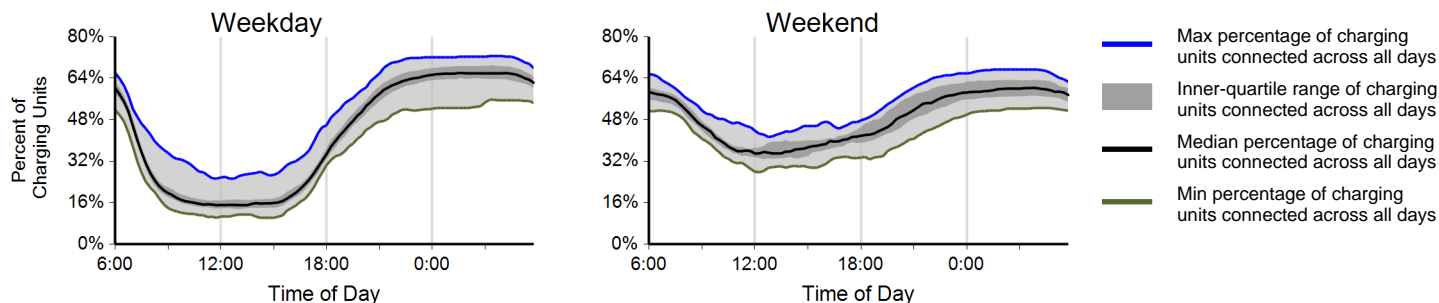
Region: Nashville, TN Metropolitan Area

Report period: January 2013 through March 2013

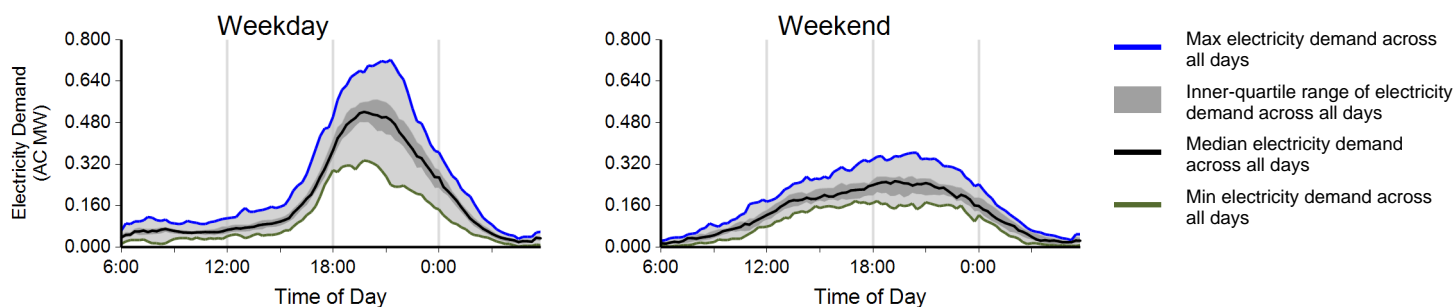
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	29,487	10,666	40,153
Electricity consumed (AC MWh)	275.22	83.16	358.39
Percent of time with a vehicle connected to EVSE	41%	48%	43%
Percent of time with a vehicle drawing power from EVSE	10%	8%	9%
Average number of charging events started per EVSE per day	0.92	0.83	0.89

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Nashville, TN Metropolitan Area

Report period: January 2013 through March 2013

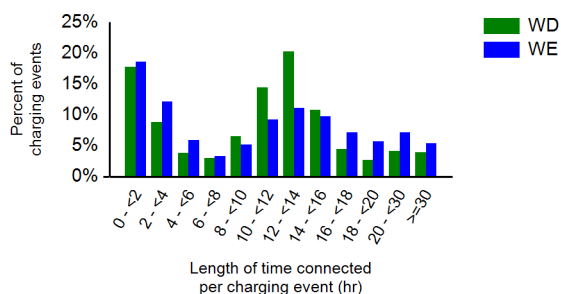
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	90%	10%	0%
Percent of electricity consumed	92%	8%	0%

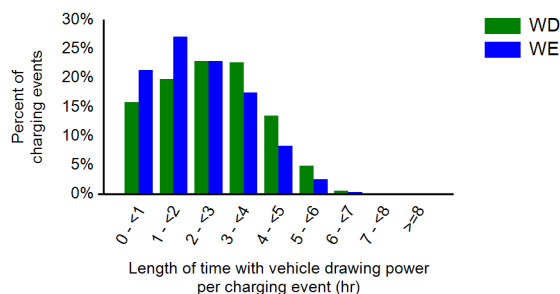
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.7	11.8	11.7
Average length of time with vehicle drawing power per charging event (hr)	2.6	2.2	2.5
Average electricity consumed per charging event (AC kWh)	9.3	7.8	8.9

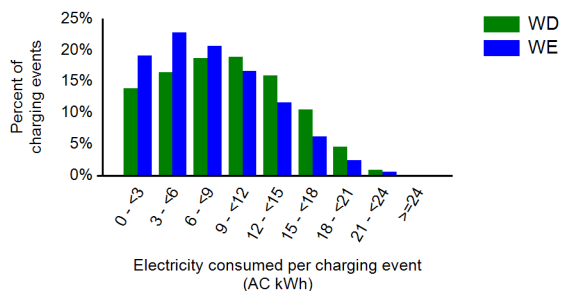
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

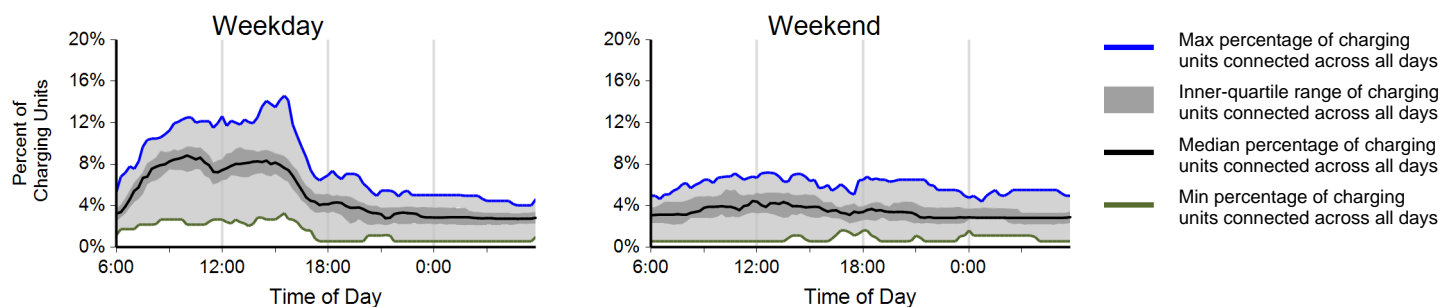
Region: Nashville, TN Metropolitan Area

Report period: January 2013 through March 2013

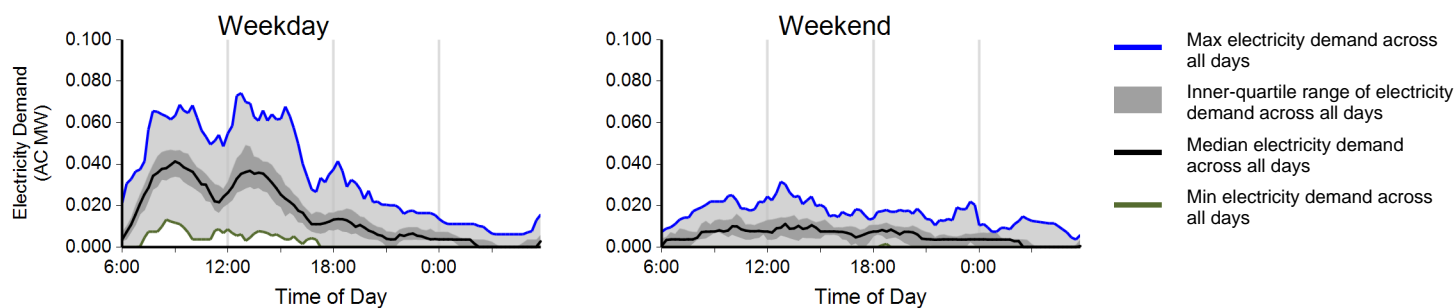
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,762	501	3,263
Electricity consumed (AC MWh)	24.37	3.69	28.07
Percent of time with a vehicle connected to EVSE	5%	3%	4%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.24	0.11	0.20

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Nashville, TN Metropolitan Area

Report period: January 2013 through March 2013

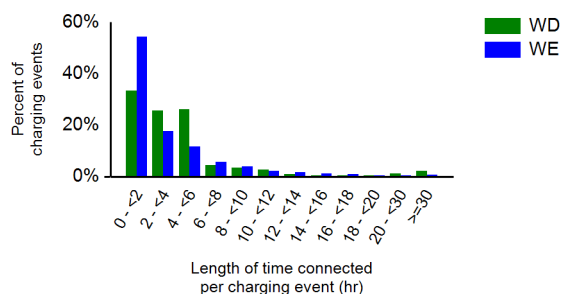
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	46%	2%	52%
Percent of electricity consumed	46%	1%	53%

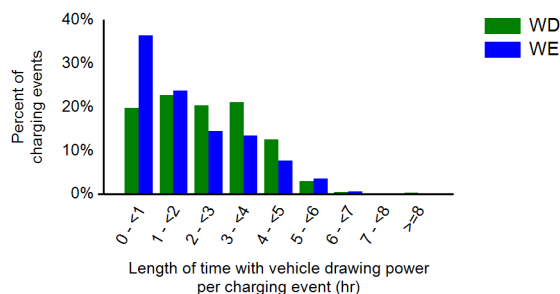
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	5.7	3.5	5.4
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.0	2.4
Average electricity consumed per charging event (AC kWh)	8.8	7.3	8.6

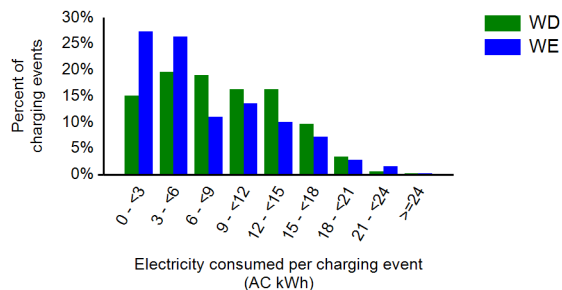
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

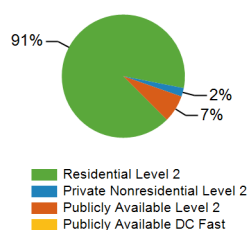
Number of EV Project vehicles in region: 189



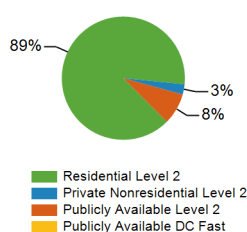
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	189	14	173	0	376
Number of charging events ²	17,794	441	1,406	0	19,641
Electricity consumed (AC MWh)	113.54	3.41	10.49	0.00	127.45
Percent of time with a vehicle connected to charging unit	51%	13%	3%	0%	28%
Percent of time with a vehicle drawing power from charging unit	9%	4%	1%	0%	5%

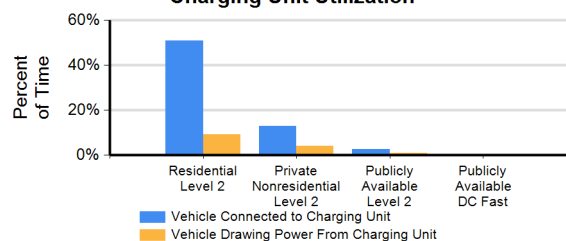
Number of Charge Events



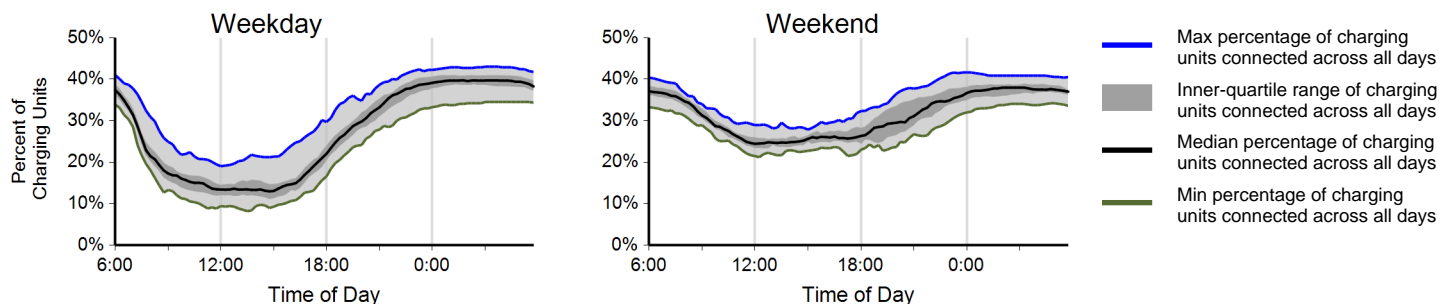
Electricity Consumed



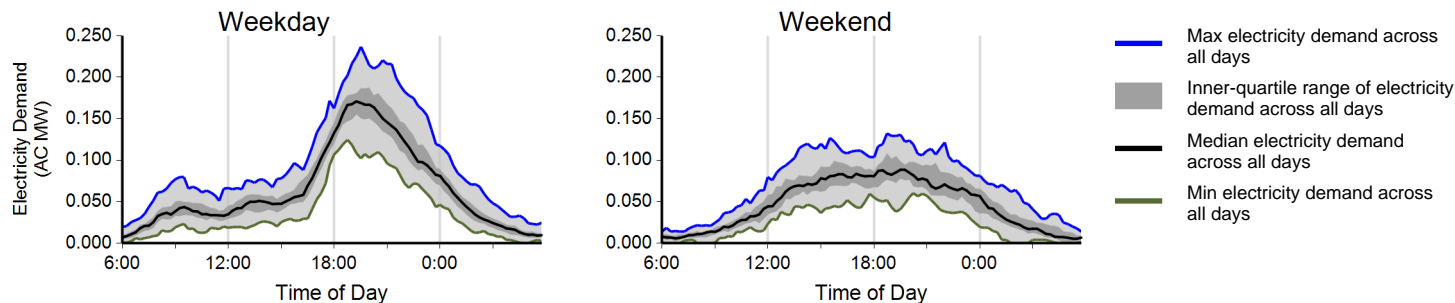
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

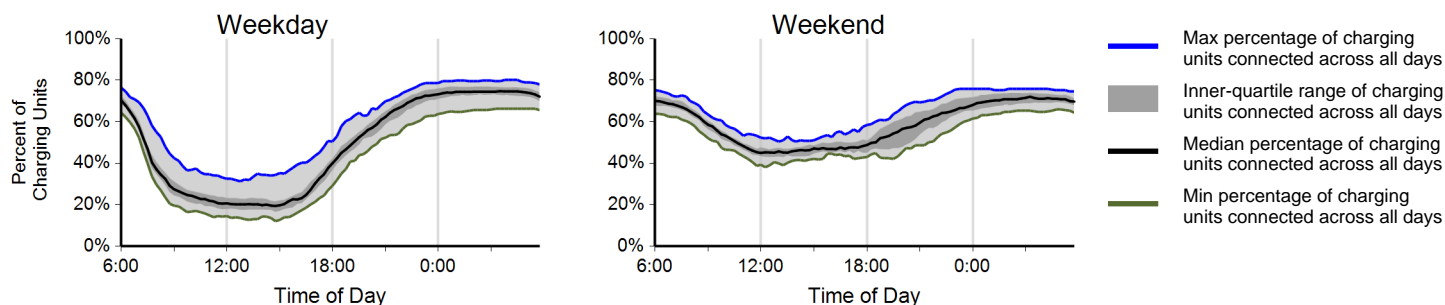
Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

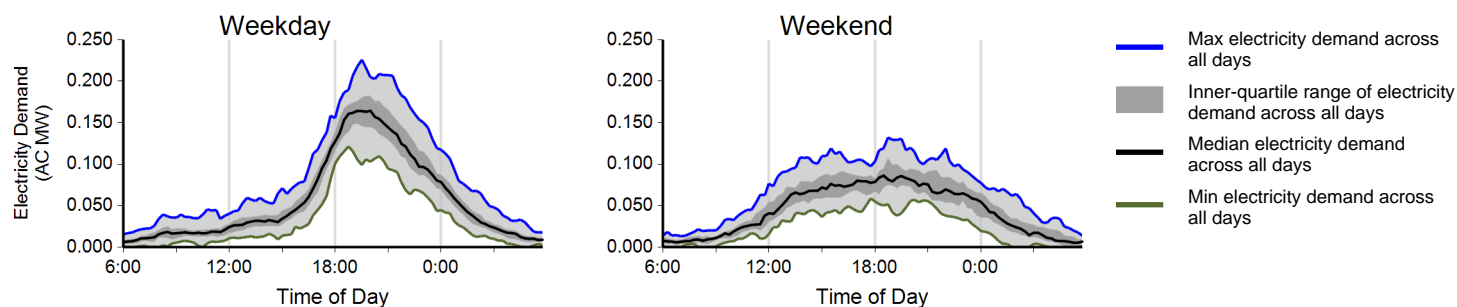
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	12,957	4,837	17,794
Electricity consumed (AC MWh)	85.83	27.72	113.54
Percent of time with a vehicle connected to EVSE	48%	58%	51%
Percent of time with a vehicle drawing power from EVSE	10%	8%	9%
Average number of charging events started per EVSE per day	1.16	1.08	1.14

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

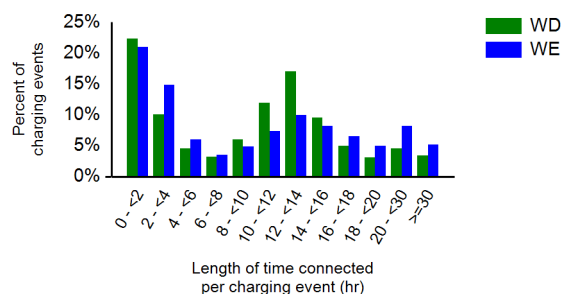
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	8%	92%	0%
Percent of electricity consumed	11%	89%	0%

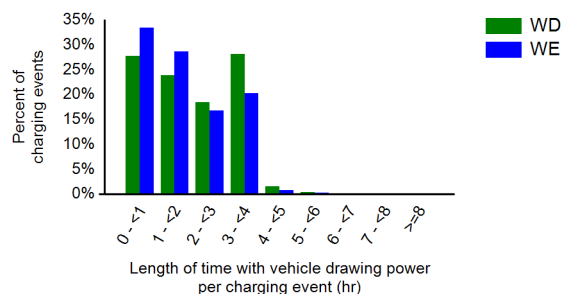
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.7	11.2	10.8
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.8	2.0
Average electricity consumed per charging event (AC kWh)	6.6	5.7	6.4

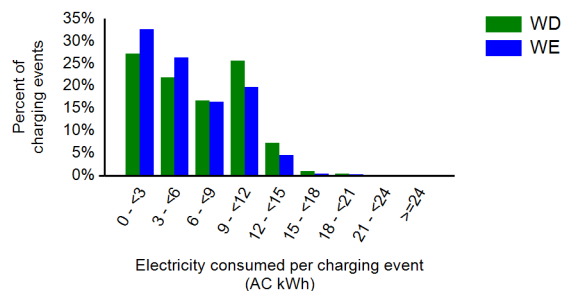
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

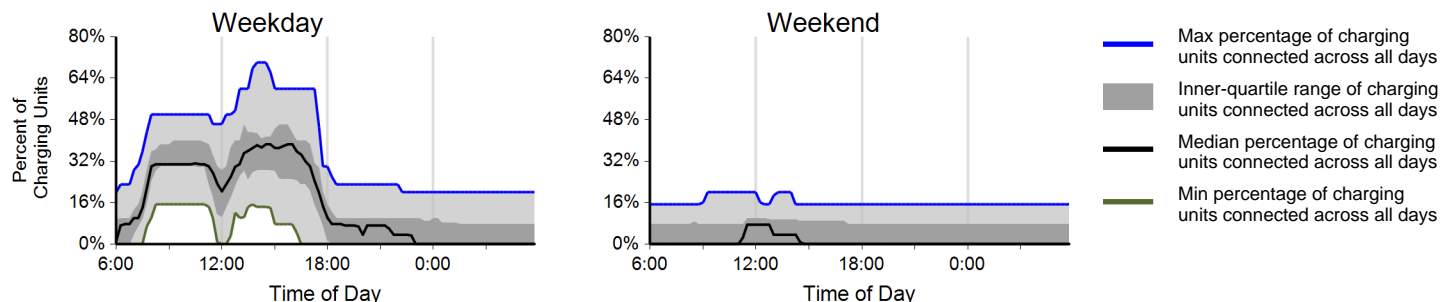
Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

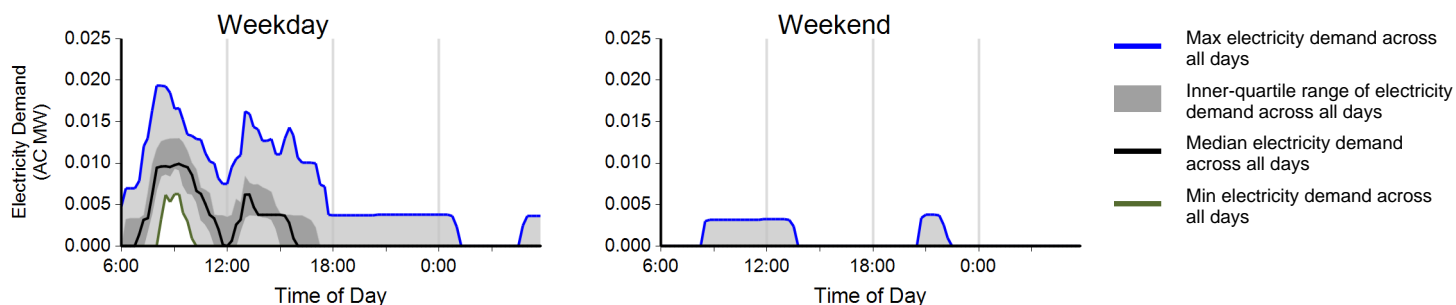
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	433	8	441
Electricity consumed (AC MWh)	3.36	0.06	3.41
Percent of time with a vehicle connected to EVSE	16%	5%	13%
Percent of time with a vehicle drawing power from EVSE	6%	0%	4%
Average number of charging events started per EVSE per day	0.57	0.03	0.41

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

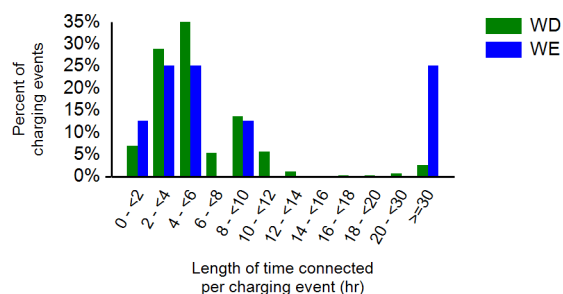
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	62%	38%
Percent of electricity consumed	0%	61%	39%

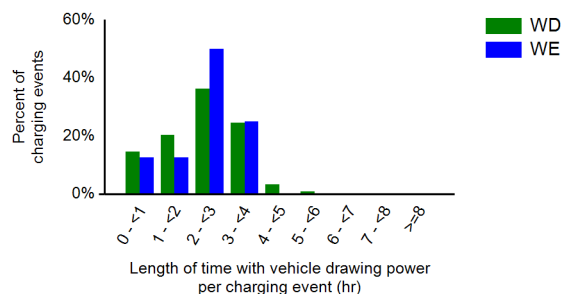
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	7.3	19.2	7.5
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.2	2.4
Average electricity consumed per charging event (AC kWh)	7.8	6.9	7.7

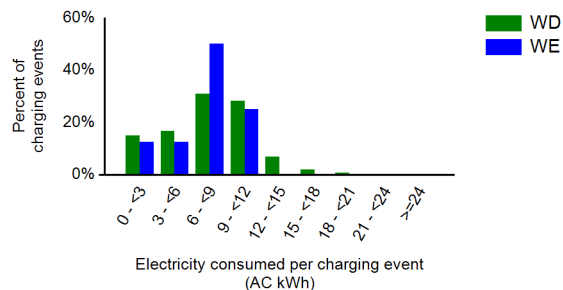
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

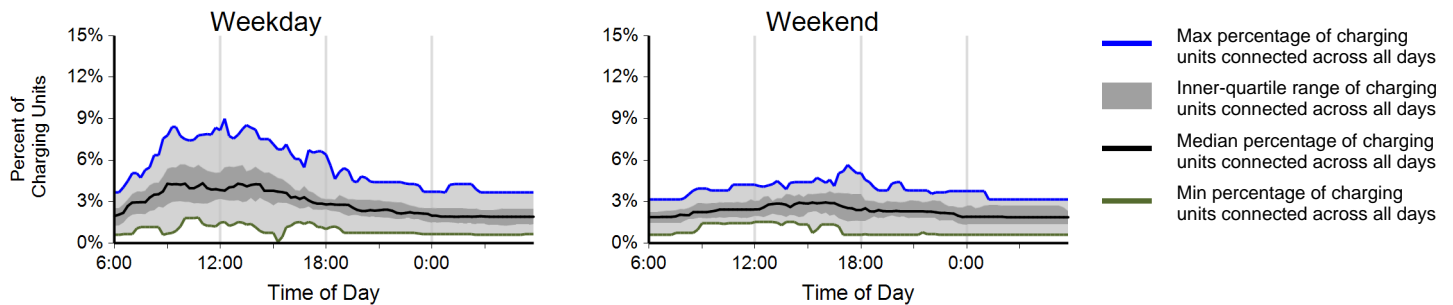
Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2013 through March 2013

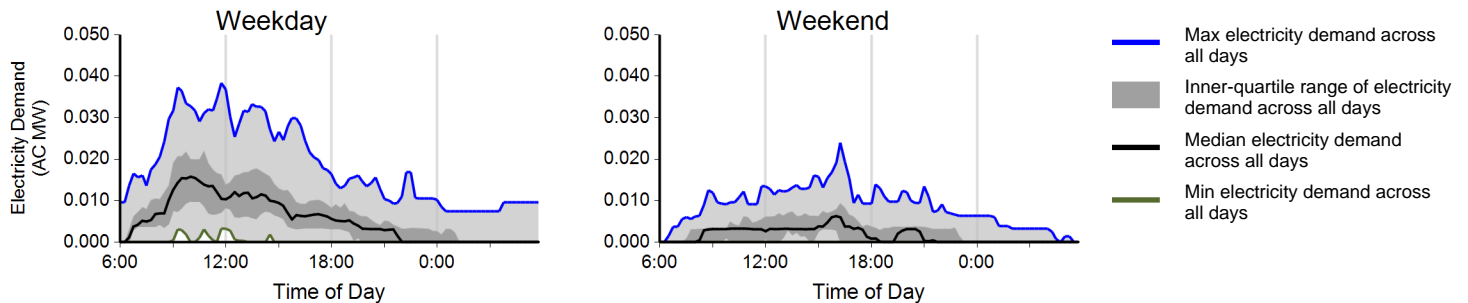
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,207	199	1,406
Electricity consumed (AC MWh)	9.16	1.33	10.49
Percent of time with a vehicle connected to EVSE	3%	2%	3%
Percent of time with a vehicle drawing power from EVSE	1%	0%	1%
Average number of charging events started per EVSE per day	0.12	0.05	0.10

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Dallas/Ft. Worth, TX Metropolitan Area

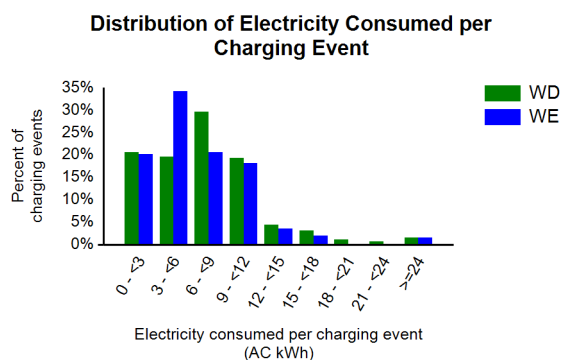
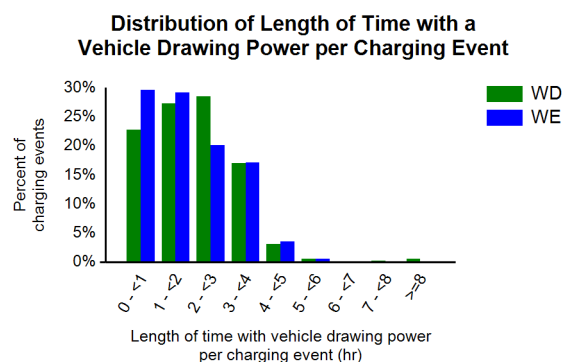
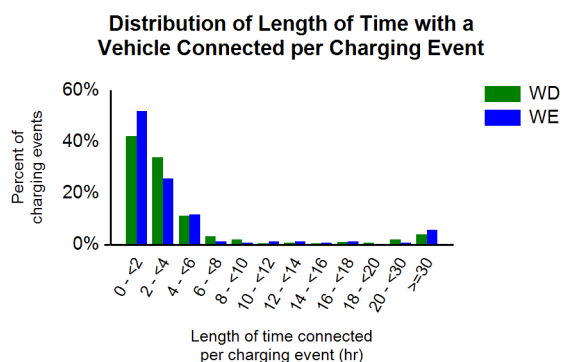
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	7%	12%	81%
Percent of electricity consumed	8%	10%	82%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.5	5.8	6.4
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.9	2.1
Average electricity consumed per charging event (AC kWh)	7.6	6.7	7.5



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Houston, TX Metropolitan Area

Report period: January 2013 through March 2013

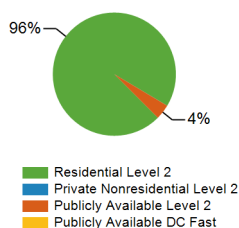
Number of EV Project vehicles in region: 75



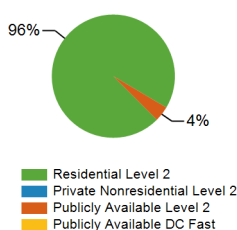
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	75	1	69	0	145
Number of charging events ²	7,250	1	298	0	7,549
Electricity consumed (AC MWh)	47.12	0.00	1.97	0.00	49.09
Percent of time with a vehicle connected to charging unit	50%	0%	0%	0%	28%
Percent of time with a vehicle drawing power from charging unit	9%	0%	0%	0%	5%

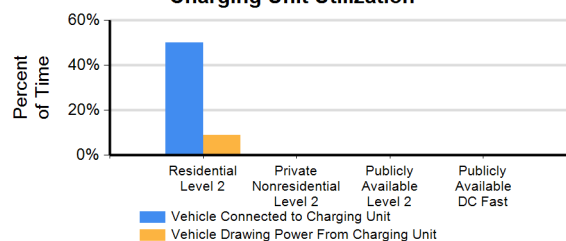
Number of Charge Events



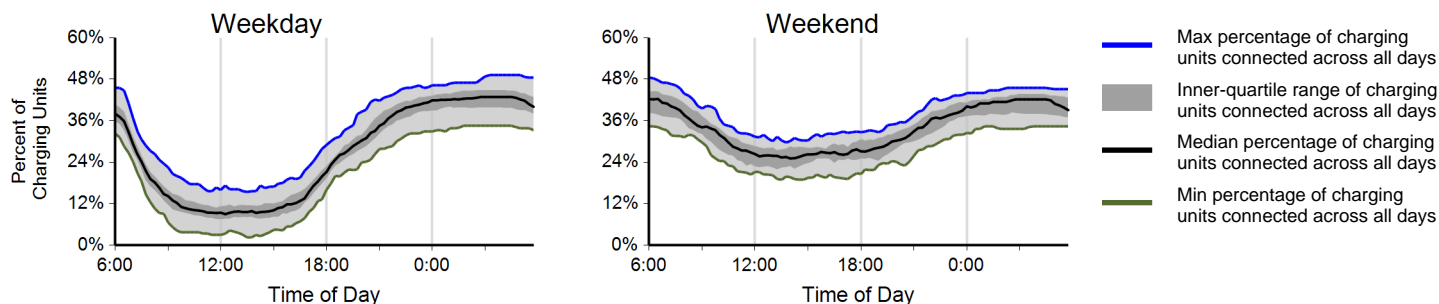
Electricity Consumed



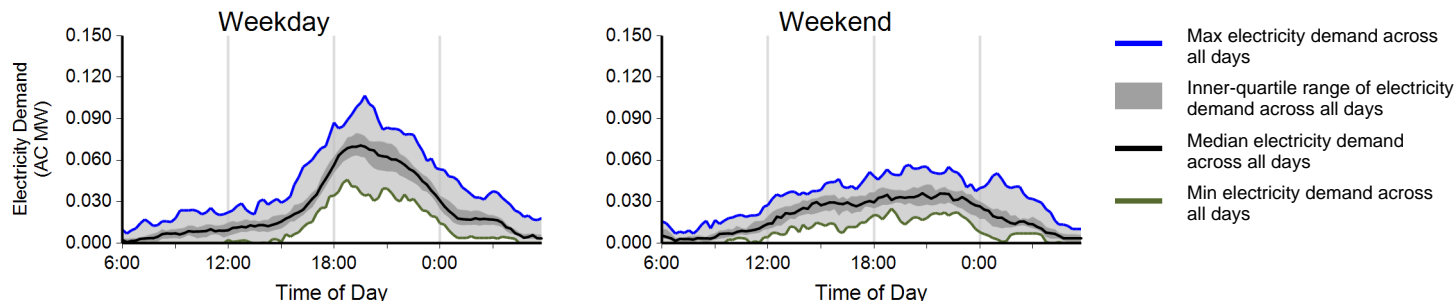
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

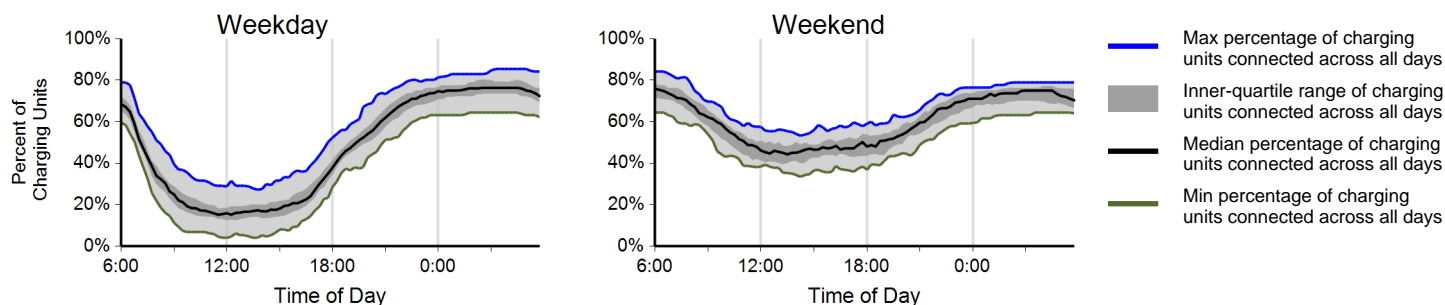
Region: Houston, TX Metropolitan Area

Report period: January 2013 through March 2013

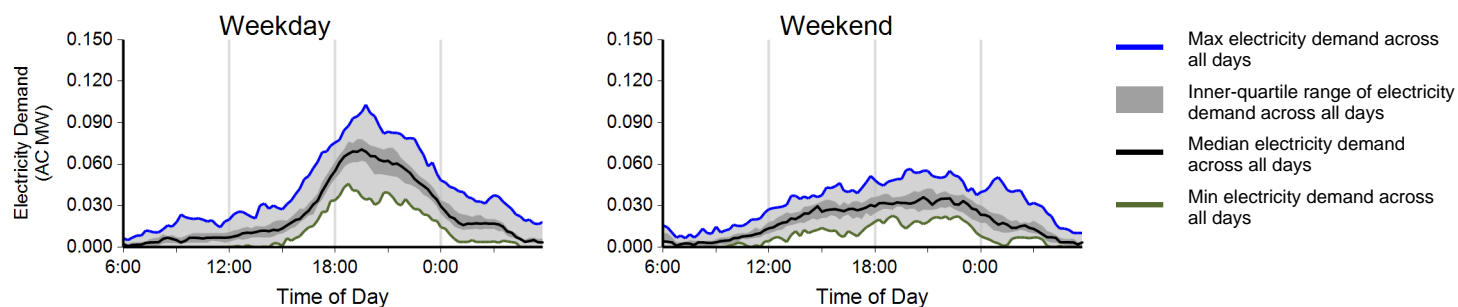
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	5,281	1,969	7,250
Electricity consumed (AC MWh)	35.99	11.13	47.12
Percent of time with a vehicle connected to EVSE	47%	59%	50%
Percent of time with a vehicle drawing power from EVSE	10%	8%	9%
Average number of charging events started per EVSE per day	1.10	1.02	1.08

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Houston, TX Metropolitan Area

Report period: January 2013 through March 2013

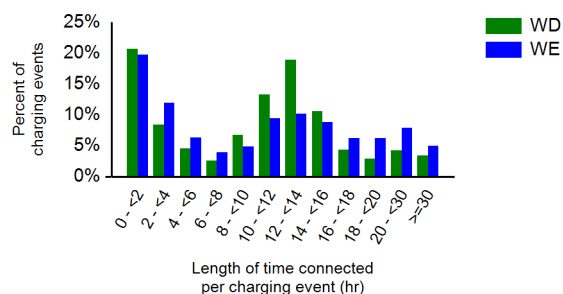
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	3%	97%	0%
Percent of electricity consumed	4%	96%	0%

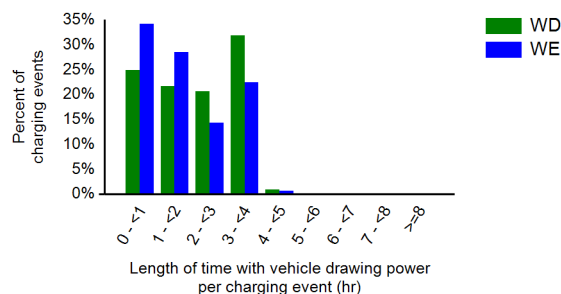
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.2	11.4	11.2
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.8	2.0
Average electricity consumed per charging event (AC kWh)	6.8	5.6	6.5

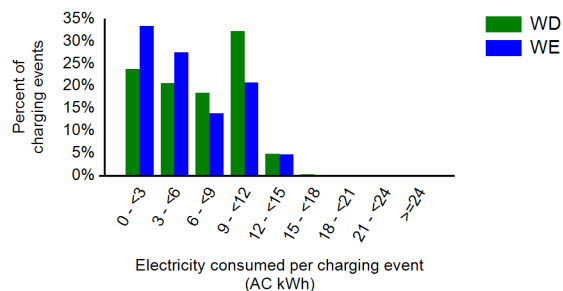
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

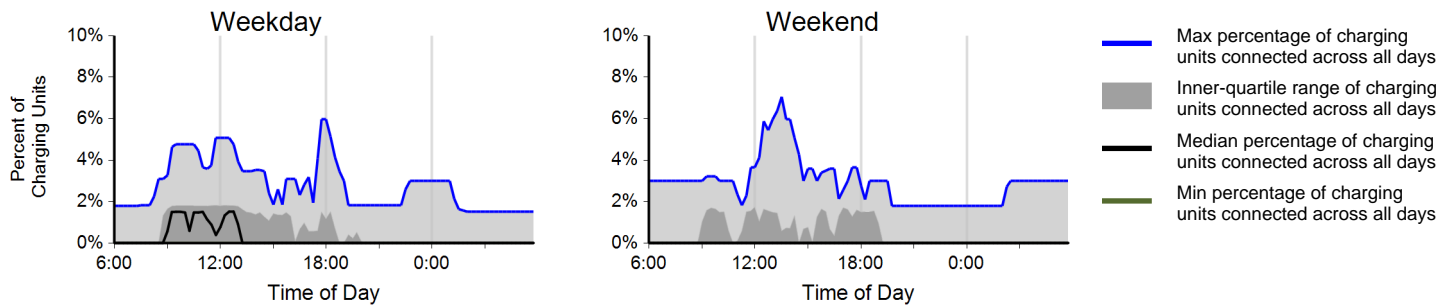
Region: Houston, TX Metropolitan Area

Report period: January 2013 through March 2013

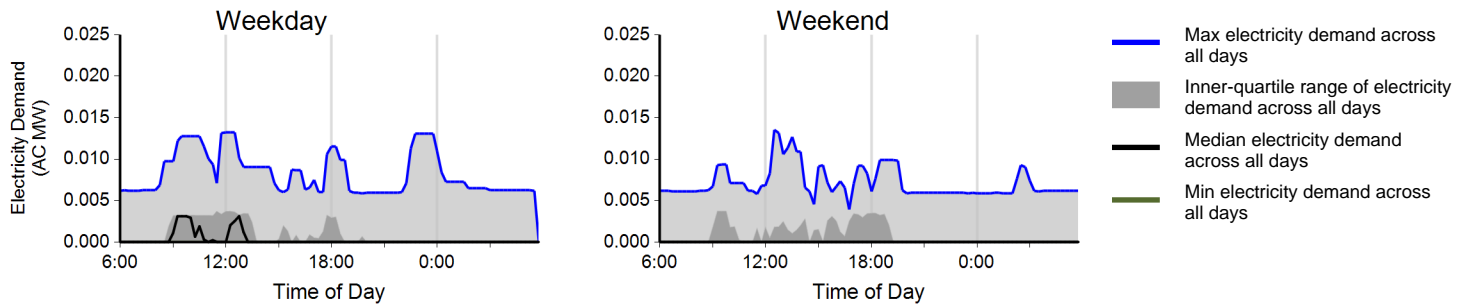
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	217	81	298
Electricity consumed (AC MWh)	1.43	0.53	1.97
Percent of time with a vehicle connected to EVSE	0%	0%	0%
Percent of time with a vehicle drawing power from EVSE	0%	0%	0%
Average number of charging events started per EVSE per day	0.06	0.05	0.06

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Houston, TX Metropolitan Area

Report period: January 2013 through March 2013

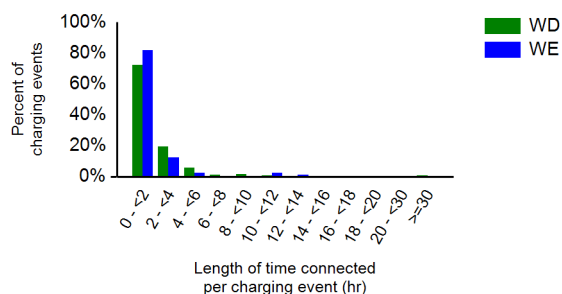
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	17%	82%
Percent of electricity consumed	0%	15%	85%

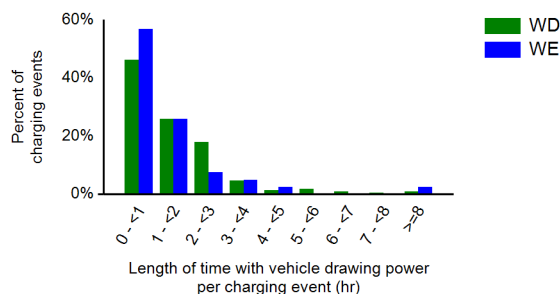
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	1.9	1.7	1.8
Average length of time with vehicle drawing power per charging event (hr)	1.6	1.5	1.6
Average electricity consumed per charging event (AC kWh)	6.6	6.6	6.6

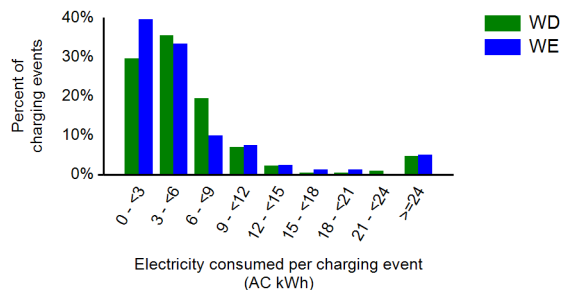
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Washington State

Report period: January 2013 through March 2013

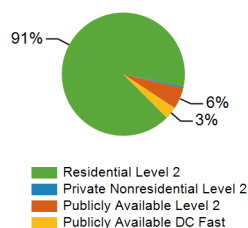
Number of EV Project vehicles in region: 807



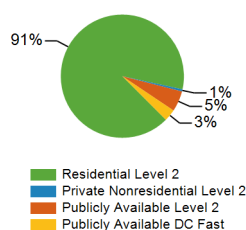
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	803	24	245	6	1,078
Number of charging events ²	62,215	292	3,804	2,217	68,528
Electricity consumed (AC MWh)	508.72	3.24	30.21	17.38	559.56
Percent of time with a vehicle connected to charging unit	45%	12%	5%	7%	36%
Percent of time with a vehicle drawing power from charging unit	9%	2%	2%	7%	7%

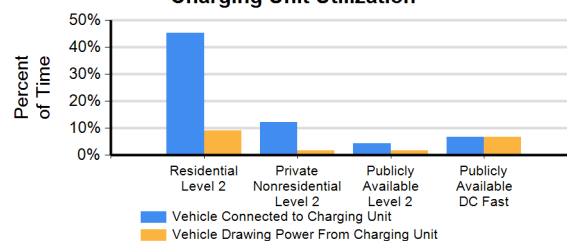
Number of Charge Events



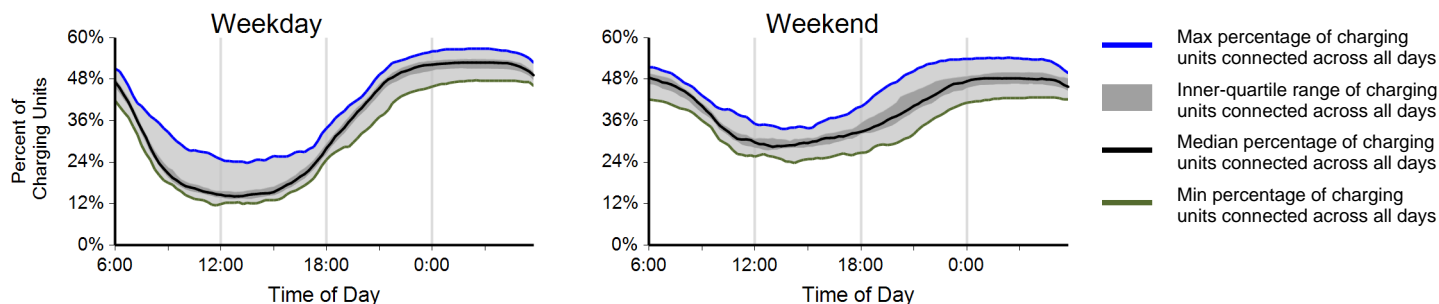
Electricity Consumed



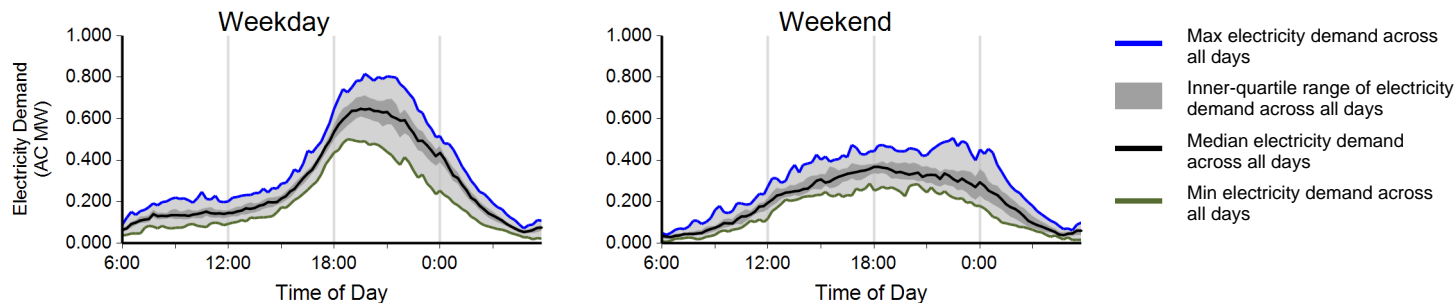
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

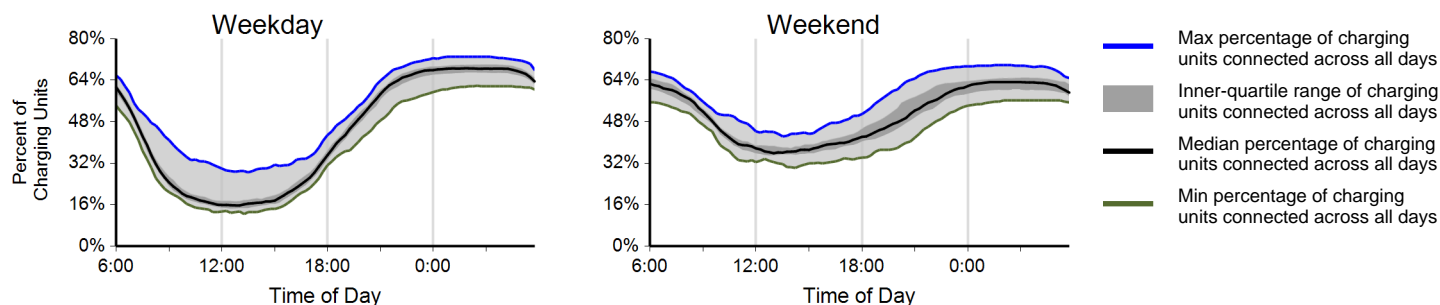
Region: Washington State

Report period: January 2013 through March 2013

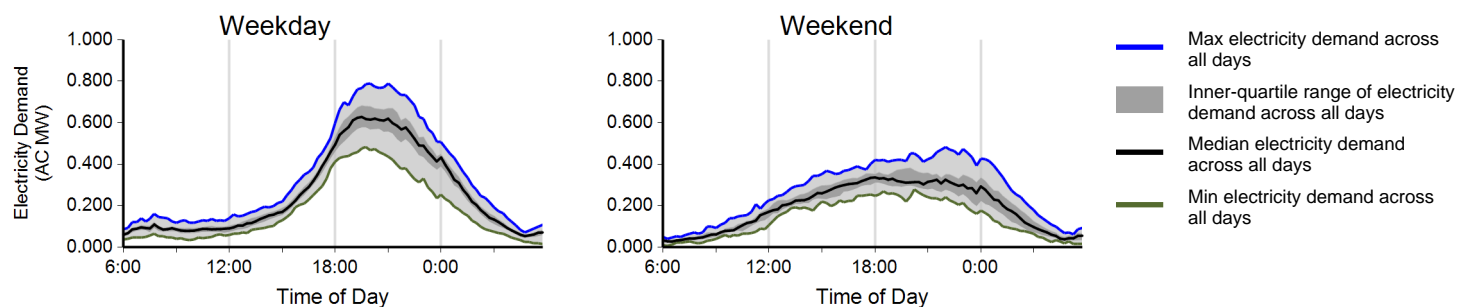
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	46,018	16,197	62,215
Electricity consumed (AC MWh)	388.39	120.34	508.72
Percent of time with a vehicle connected to EVSE	43%	51%	45%
Percent of time with a vehicle drawing power from EVSE	10%	8%	9%
Average number of charging events started per EVSE per day	0.97	0.85	0.94

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington State

Report period: January 2013 through March 2013

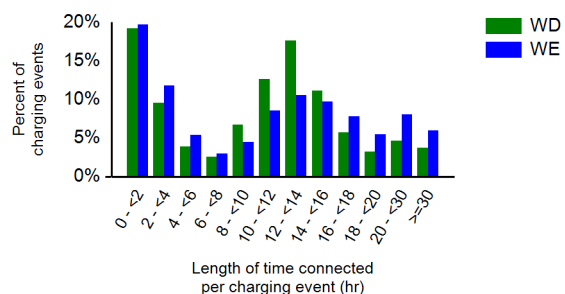
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	77%	23%	0%
Percent of electricity consumed	81%	19%	0%

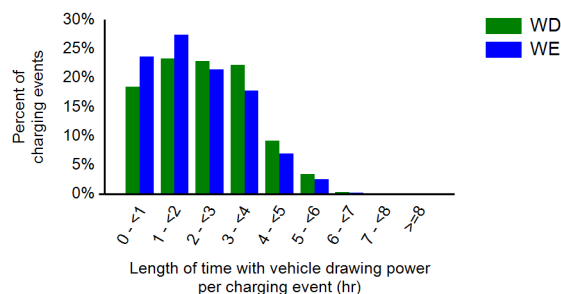
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.6	12.1	11.7
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.2	2.4
Average electricity consumed per charging event (AC kWh)	8.4	7.4	8.2

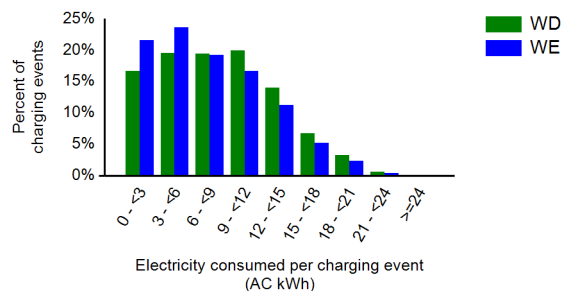
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

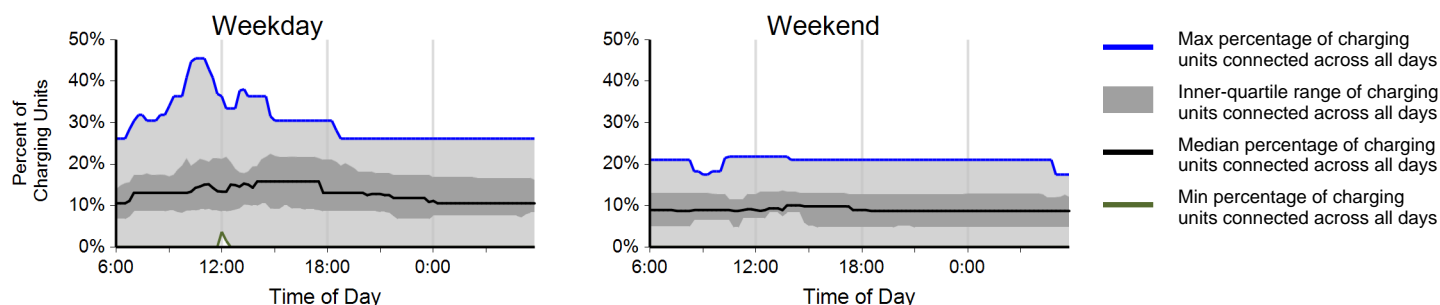
Region: Washington State

Report period: January 2013 through March 2013

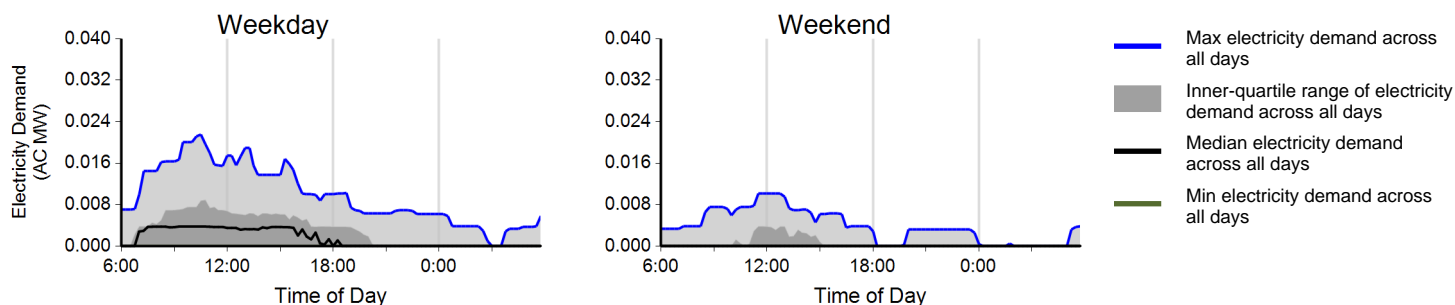
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	255	37	292
Electricity consumed (AC MWh)	2.95	0.29	3.24
Percent of time with a vehicle connected to EVSE	13%	10%	12%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.18	0.07	0.15

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Private Nonresidential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington State

Report period: January 2013 through March 2013

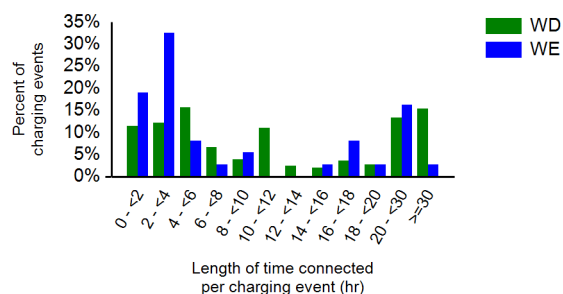
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	16%	0%	84%
Percent of electricity consumed	12%	0%	88%

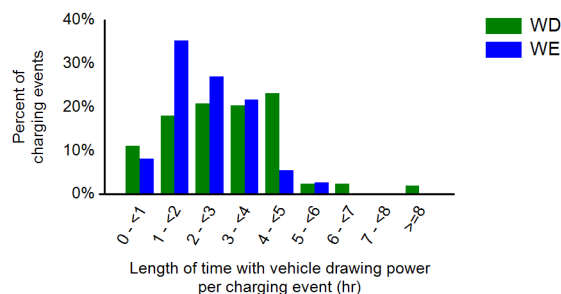
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	21.3	9.2	19.7
Average length of time with vehicle drawing power per charging event (hr)	3.1	2.3	3.0
Average electricity consumed per charging event (AC kWh)	11.4	8.8	11.1

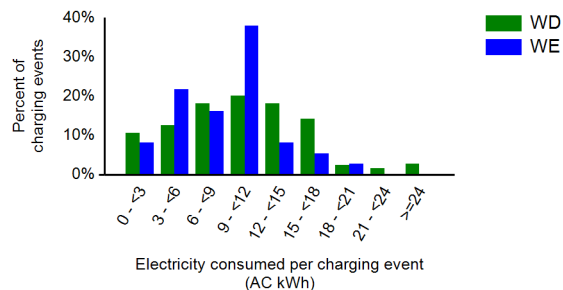
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

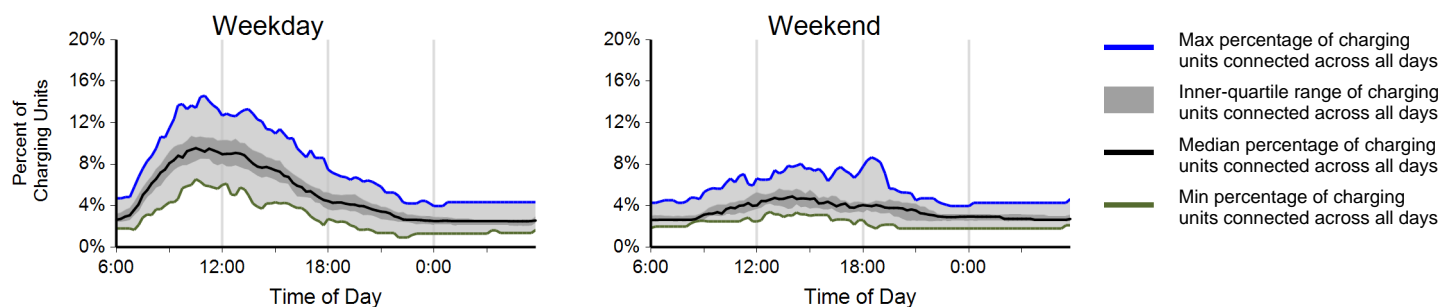
Region: Washington State

Report period: January 2013 through March 2013

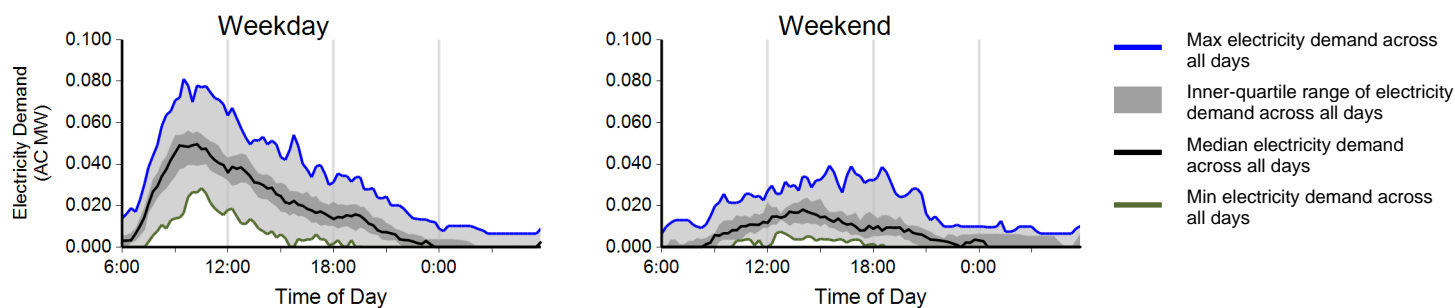
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,110	694	3,804
Electricity consumed (AC MWh)	25.72	4.49	30.21
Percent of time with a vehicle connected to EVSE	5%	3%	5%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.23	0.13	0.20

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington State

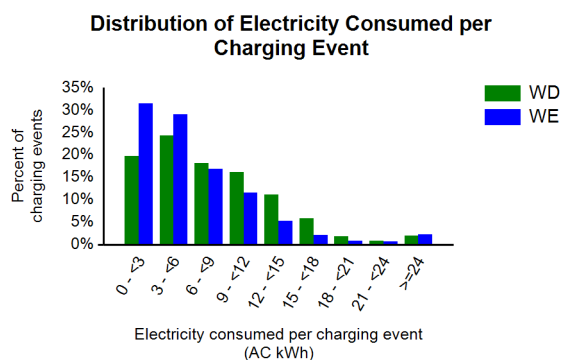
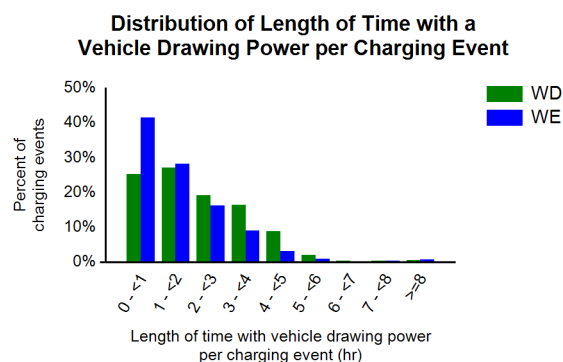
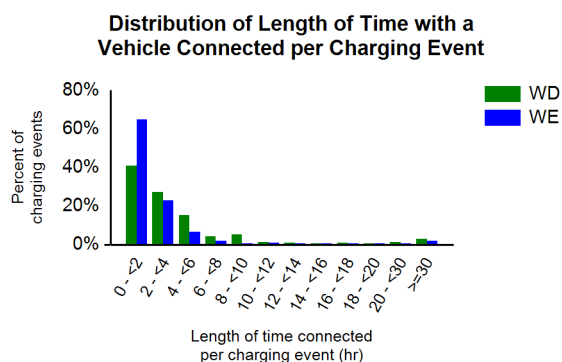
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	20%	7%	73%
Percent of electricity consumed	16%	6%	78%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	5.8	3.5	5.4
Average length of time with vehicle drawing power per charging event (hr)	2.2	1.7	2.1
Average electricity consumed per charging event (AC kWh)	8.2	6.6	7.9



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Chicago, IL Metropolitan Area

Report period: January 2013 through March 2013

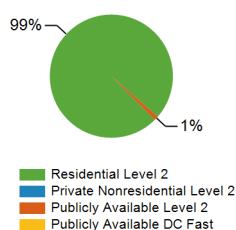
Number of EV Project vehicles in region: 119



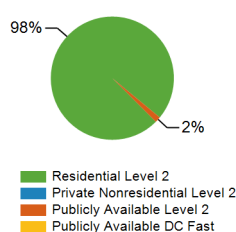
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	119	0	8	0	127
Number of charging events ²	10,127	0	113	0	10,240
Electricity consumed (AC MWh)	74.83	0.00	1.15	0.00	75.98
Percent of time with a vehicle connected to charging unit	55%	0%	4%	0%	52%
Percent of time with a vehicle drawing power from charging unit	11%	0%	2%	0%	10%

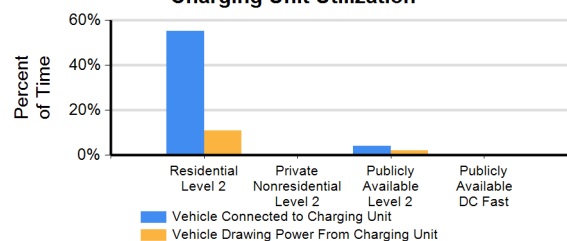
Number of Charge Events



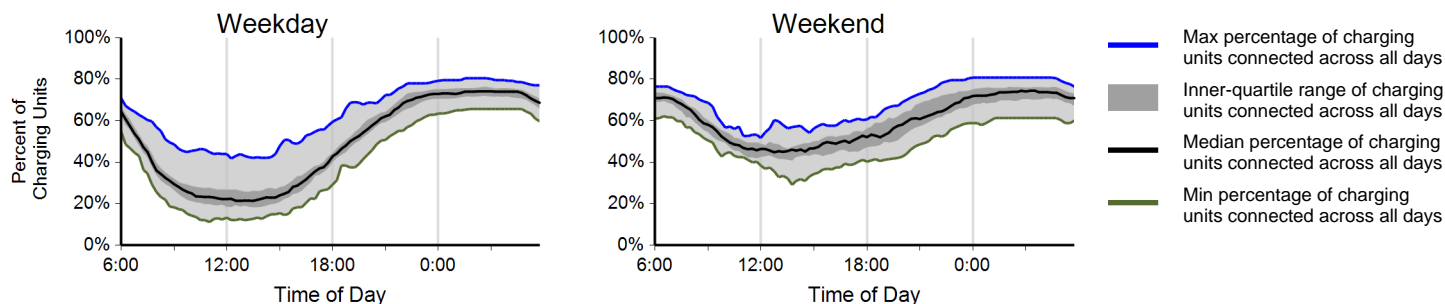
Electricity Consumed



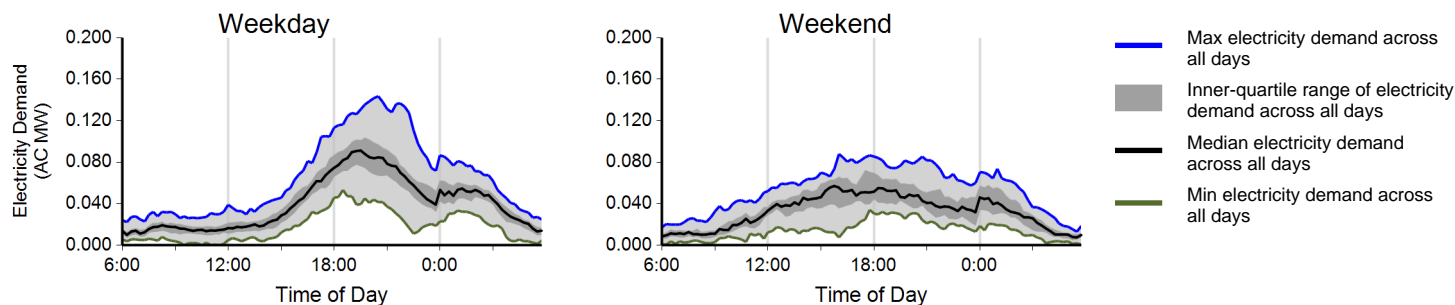
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Chicago, IL Metropolitan Area

Report period: January 2013 through March 2013

EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	7,156	2,971	10,127
Electricity consumed (AC MWh)	55.73	19.11	74.83
Percent of time with a vehicle connected to EVSE	52%	63%	55%
Percent of time with a vehicle drawing power from EVSE	11%	10%	11%
Average number of charging events started per EVSE per day	1.11	1.13	1.12

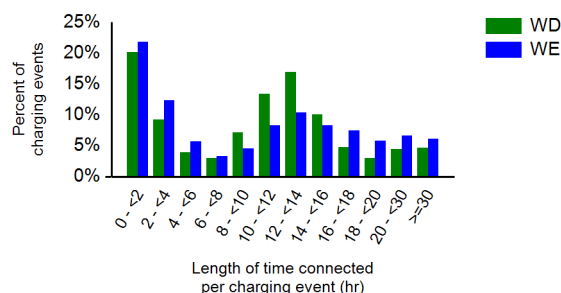
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	17%	83%	0%
Percent of electricity consumed	22%	78%	0%

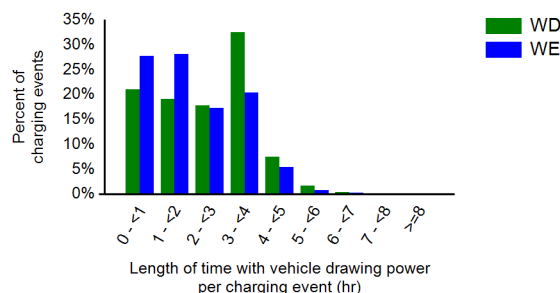
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.0	11.9	12.0
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.0	2.4
Average electricity consumed per charging event (AC kWh)	7.8	6.4	7.4

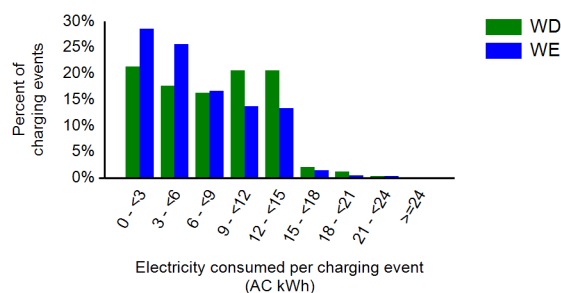
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Atlanta, GA Metropolitan Area

Report period: January 2013 through March 2013

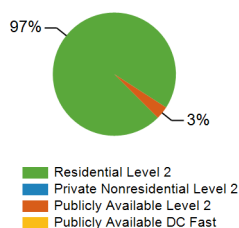
Number of EV Project vehicles in region: 192



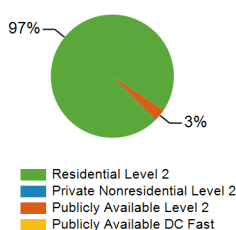
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	195	0	32	0	227
Number of charging events ²	14,149	0	500	0	14,649
Electricity consumed (AC MWh)	118.90	0.00	3.86	0.00	122.76
Percent of time with a vehicle connected to charging unit	45%	0%	4%	0%	40%
Percent of time with a vehicle drawing power from charging unit	10%	0%	2%	0%	9%

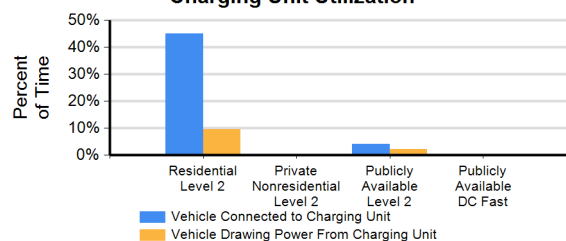
Number of Charge Events



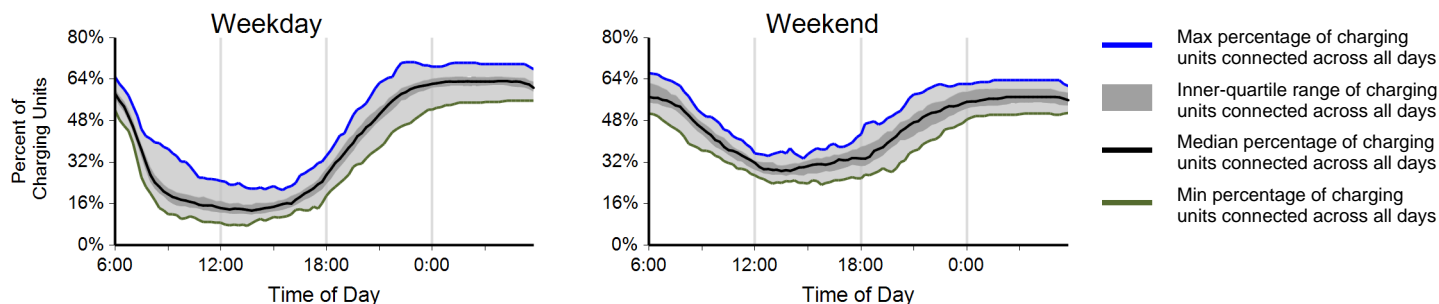
Electricity Consumed



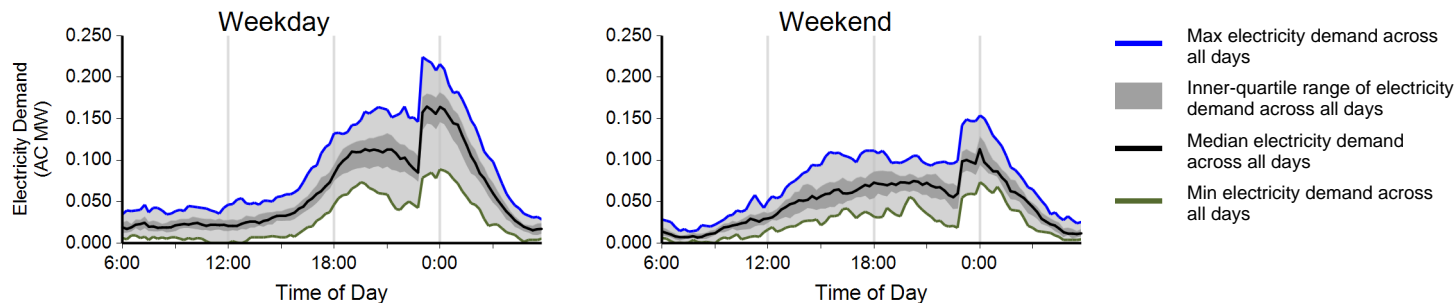
Charging Unit Utilization



Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

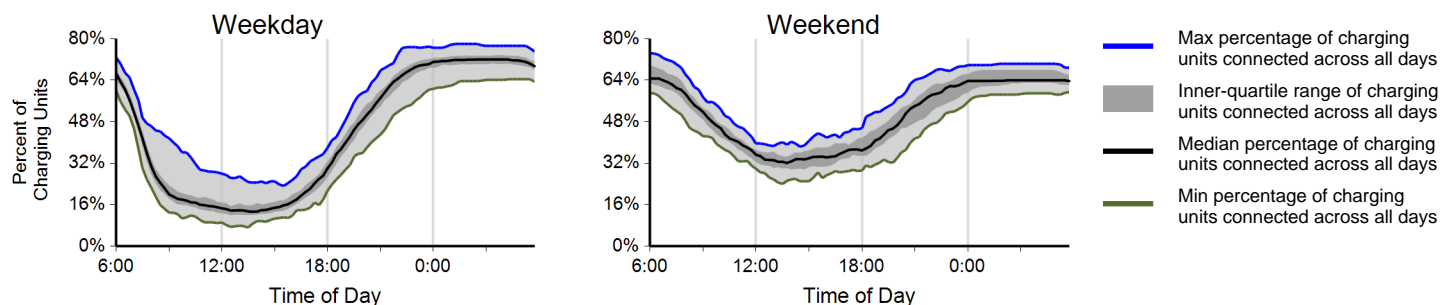
Region: Atlanta, GA Metropolitan Area

Report period: January 2013 through March 2013

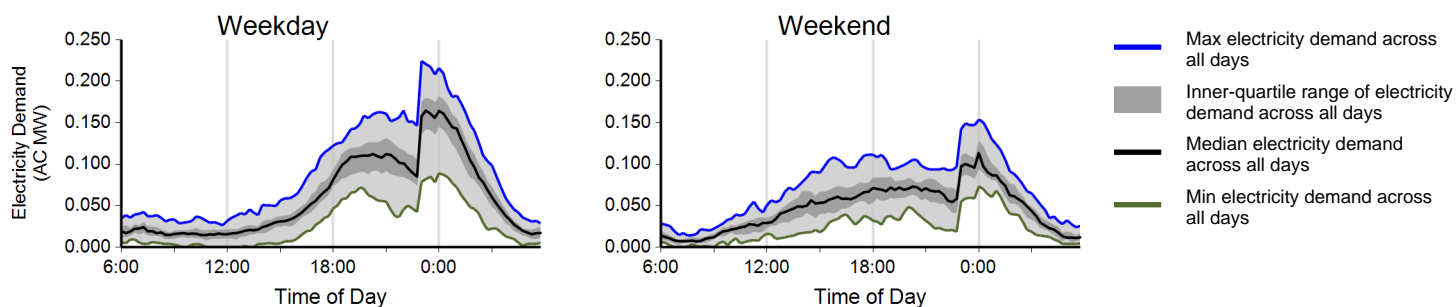
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	10,211	3,938	14,149
Electricity consumed (AC MWh)	89.62	29.28	118.90
Percent of time with a vehicle connected to EVSE	43%	50%	45%
Percent of time with a vehicle drawing power from EVSE	10%	8%	10%
Average number of charging events started per EVSE per day	0.97	0.92	0.95

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Atlanta, GA Metropolitan Area

Report period: January 2013 through March 2013

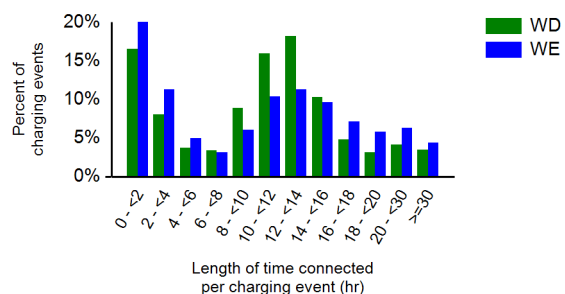
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	65%	35%	0%
Percent of electricity consumed	71%	29%	0%

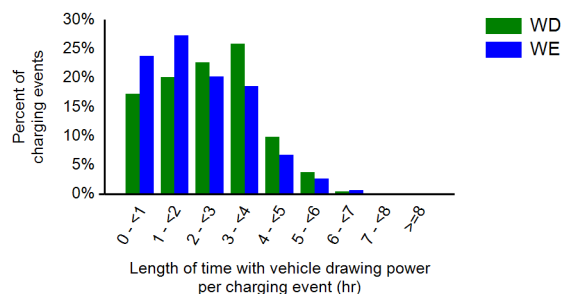
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.5	11.3	11.4
Average length of time with vehicle drawing power per charging event (hr)	2.6	2.2	2.5
Average electricity consumed per charging event (AC kWh)	8.8	7.4	8.4

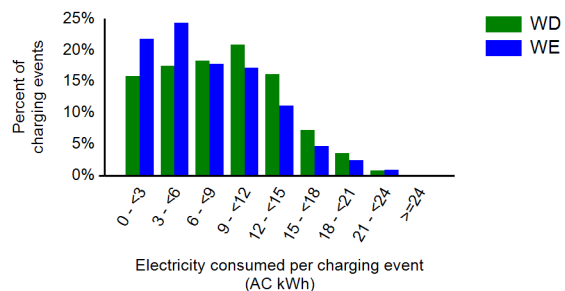
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

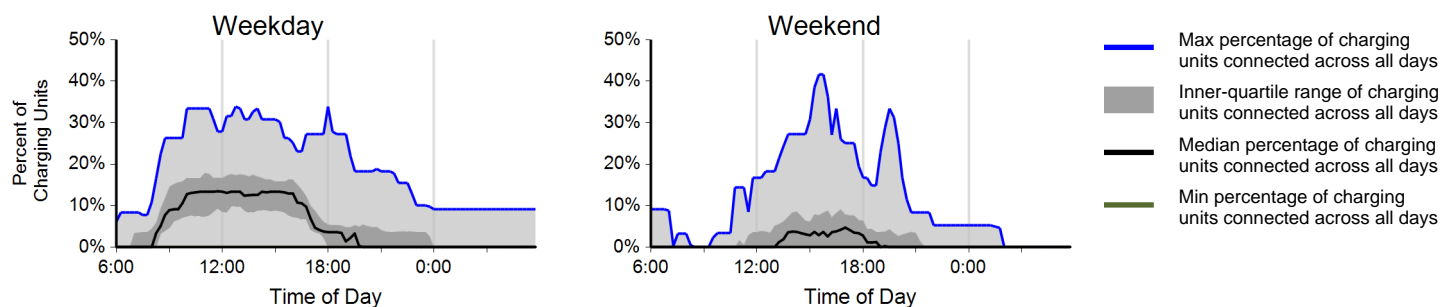
Region: Atlanta, GA Metropolitan Area

Report period: January 2013 through March 2013

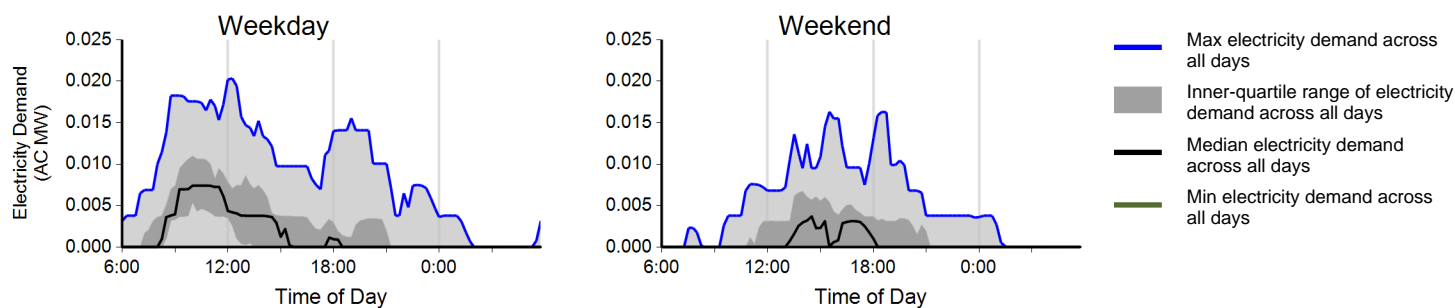
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	395	105	500
Electricity consumed (AC MWh)	3.24	0.61	3.86
Percent of time with a vehicle connected to EVSE	5%	1%	4%
Percent of time with a vehicle drawing power from EVSE	3%	1%	2%
Average number of charging events started per EVSE per day	0.27	0.17	0.24

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Atlanta, GA Metropolitan Area

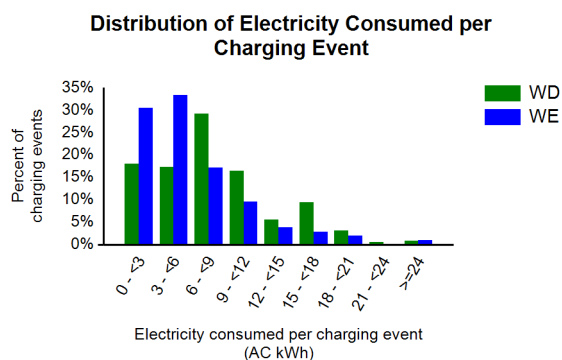
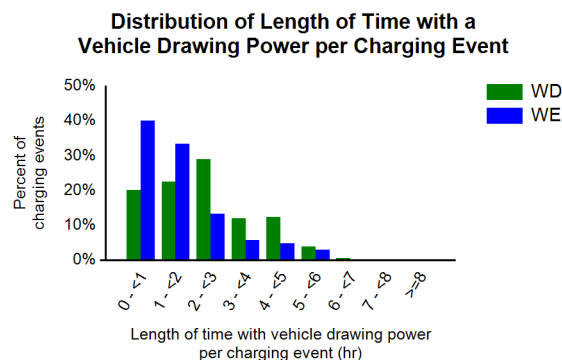
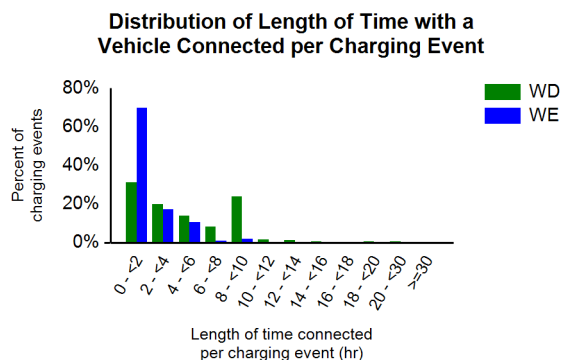
Report period: January 2013 through March 2013

Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	15%	3%	82%
Percent of electricity consumed	15%	2%	82%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.8	1.9	4.2
Average length of time with vehicle drawing power per charging event (hr)	2.4	1.7	2.2
Average electricity consumed per charging event (AC kWh)	8.2	5.8	7.7



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Philadelphia, PA Metropolitan Area

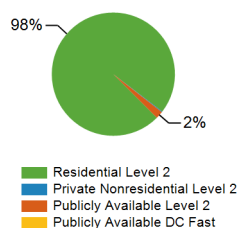
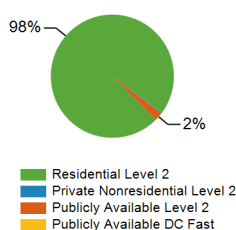
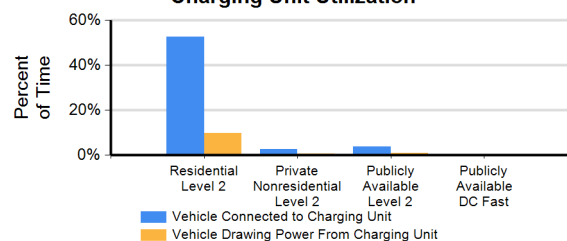
Report period: January 2013 through March 2013

Number of EV Project vehicles in region: 66

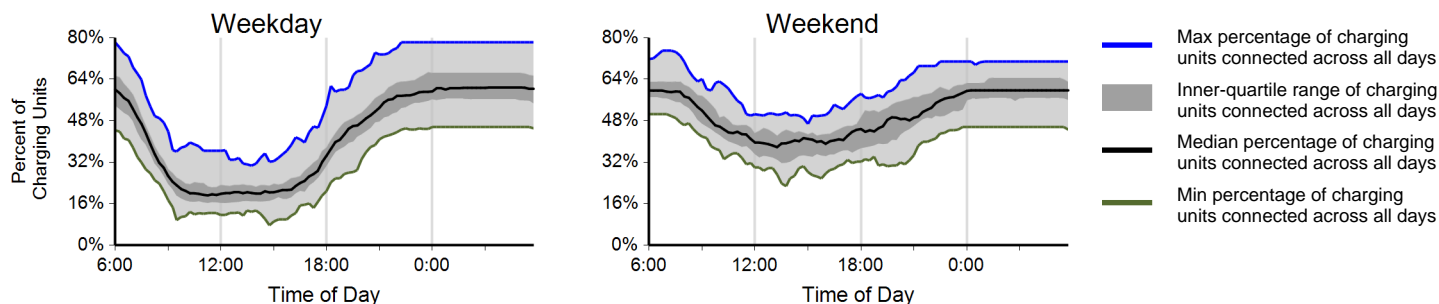


Charging Unit Usage

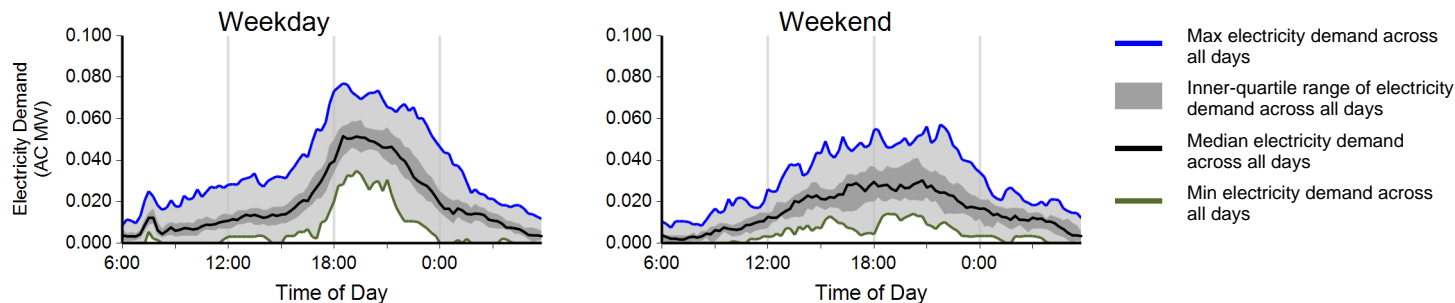
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	67	2	22	0	91
Number of charging events ²	5,002	10	99	0	5,111
Electricity consumed (AC MWh)	38.23	0.07	0.87	0.00	39.16
Percent of time with a vehicle connected to charging unit	53%	3%	4%	0%	43%
Percent of time with a vehicle drawing power from charging unit	10%	1%	1%	0%	8%

Number of Charge Events**Electricity Consumed****Charging Unit Utilization**

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



¹ Includes charging units that reported at least one use during the reporting period. Some residential charging units are excluded due to incomplete data.

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

³ Considers the connection status of all charging units every minute

⁴ Based on 15 minute rolling average power output from all charging units

Note: throughout this report, weekdays are defined as the period from Monday 6:00 AM until Saturday 6:00 AM. The weekend is defined as the period from Saturday 6:00 AM until Monday 6:00 AM.

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

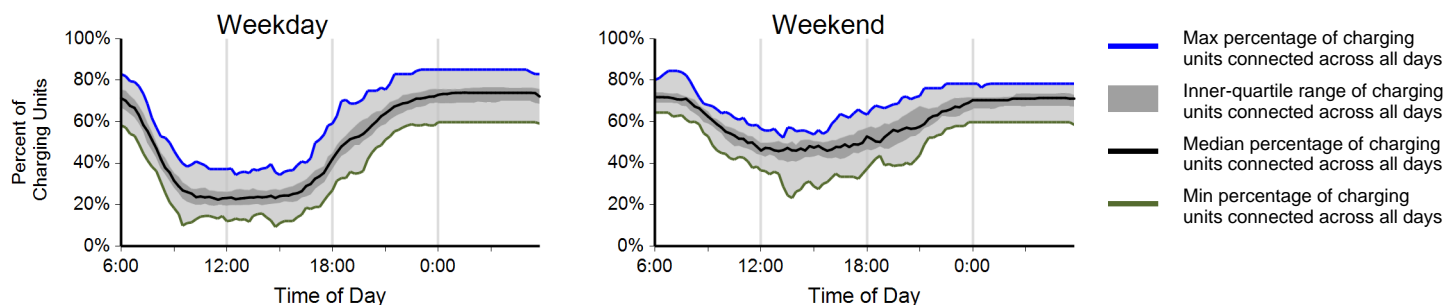
Region: Philadelphia, PA Metropolitan Area

Report period: January 2013 through March 2013

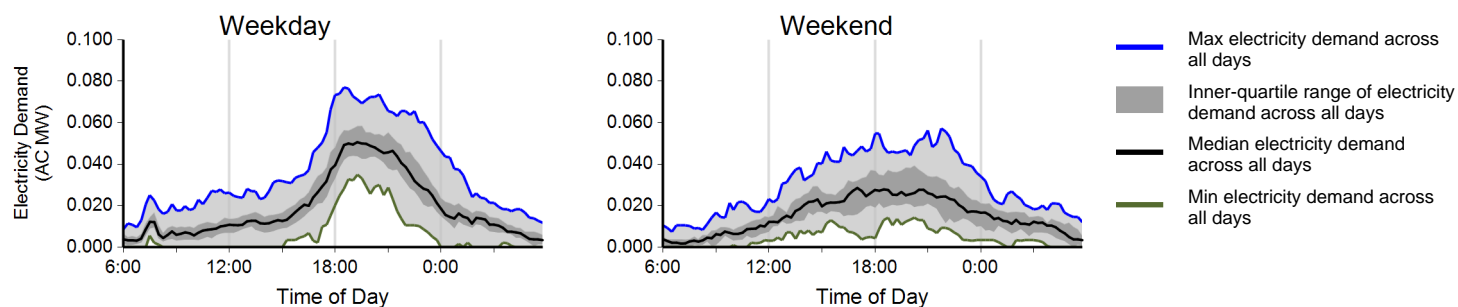
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,653	1,349	5,002
Electricity consumed (AC MWh)	28.82	9.41	38.23
Percent of time with a vehicle connected to EVSE	50%	59%	53%
Percent of time with a vehicle drawing power from EVSE	10%	8%	10%
Average number of charging events started per EVSE per day	1.04	0.95	1.02

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Philadelphia, PA Metropolitan Area

Report period: January 2013 through March 2013

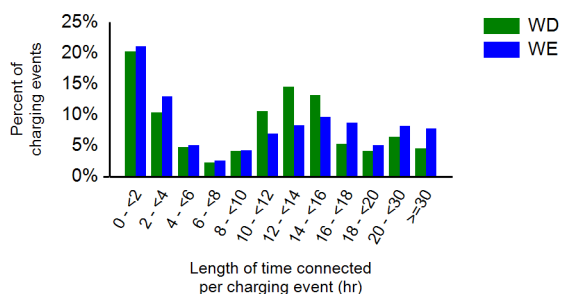
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	30%	70%	0%
Percent of electricity consumed	35%	65%	0%

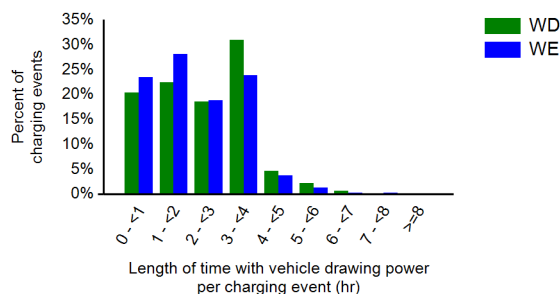
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.3	13.2	12.6
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.2	2.3
Average electricity consumed per charging event (AC kWh)	7.9	7.0	7.6

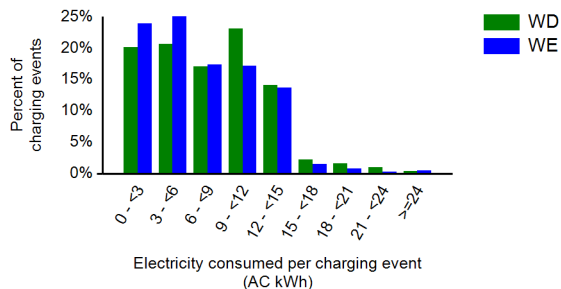
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

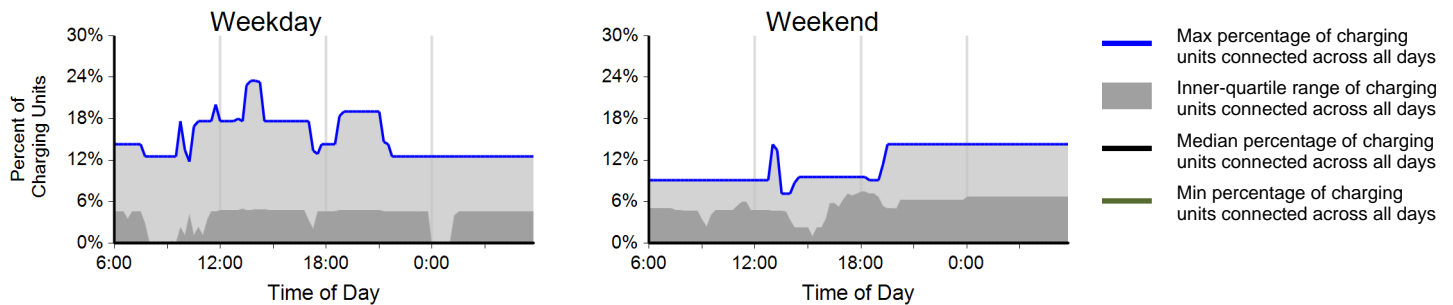
Region: Philadelphia, PA Metropolitan Area

Report period: January 2013 through March 2013

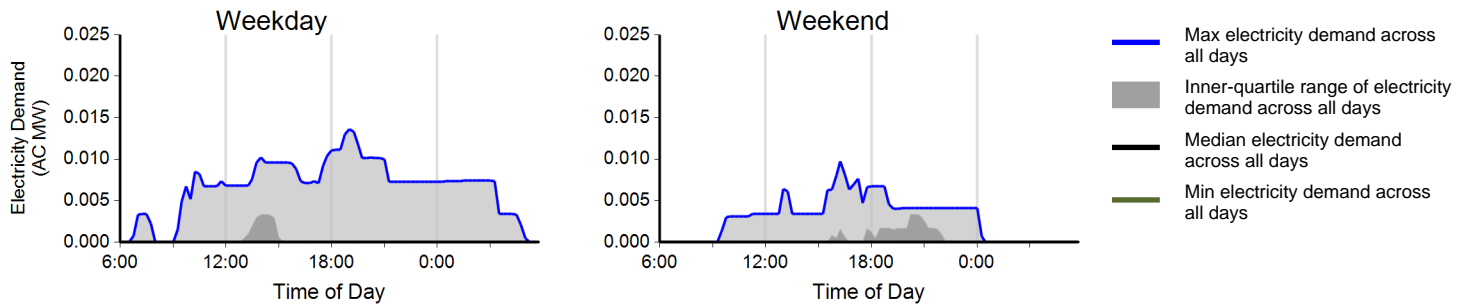
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	78	21	99
Electricity consumed (AC MWh)	0.66	0.20	0.87
Percent of time with a vehicle connected to EVSE	4%	5%	4%
Percent of time with a vehicle drawing power from EVSE	1%	1%	1%
Average number of charging events started per EVSE per day	0.11	0.07	0.10

Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³



Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Philadelphia, PA Metropolitan Area

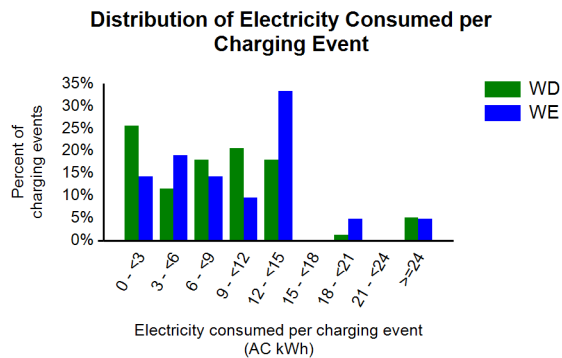
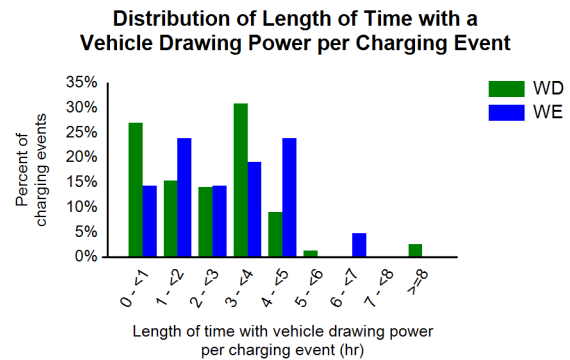
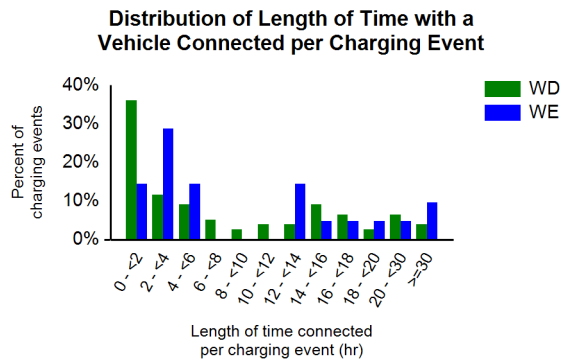
Report period: January 2013 through March 2013

Vehicles Charged

	PhillyCarShare fleet ¹	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	57%	0%	2%	41%
Percent of electricity consumed	59%	0%	1%	40%

Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	9.1	11.3	9.5
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.8	2.6
Average electricity consumed per charging event (AC kWh)	8.5	9.7	8.7



¹ PhillyCarShare operates a car sharing fleet of Chevrolet Volts in this region. Usage of publicly available EV Project charging units to charge these vehicles is included in this report.