

EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: ALL

Report period: January 2012 through March 2012

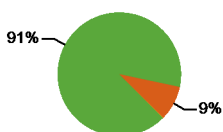
Number of EV Project vehicles in region: 3304



Charging Unit Usage

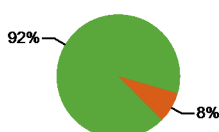
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	3,324	0	955	10	4,289
Number of charging events ²	206,436	0	20,738	140	227,314
Electricity consumed (AC MWh)	1,709.91	0.00	148.54	0.11	1,858.55
Percent of time with a vehicle connected to charging unit	34%	0%	7%	0%	29%
Percent of time with a vehicle drawing power from charging unit	7%	0%	3%	0%	6%

Number of Charge Events



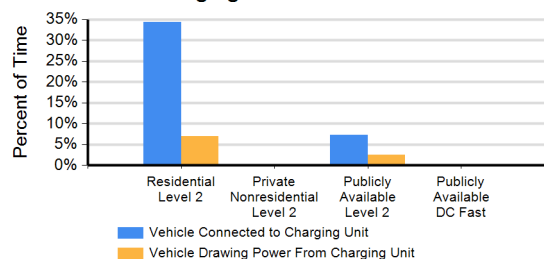
Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

Electricity Consumed

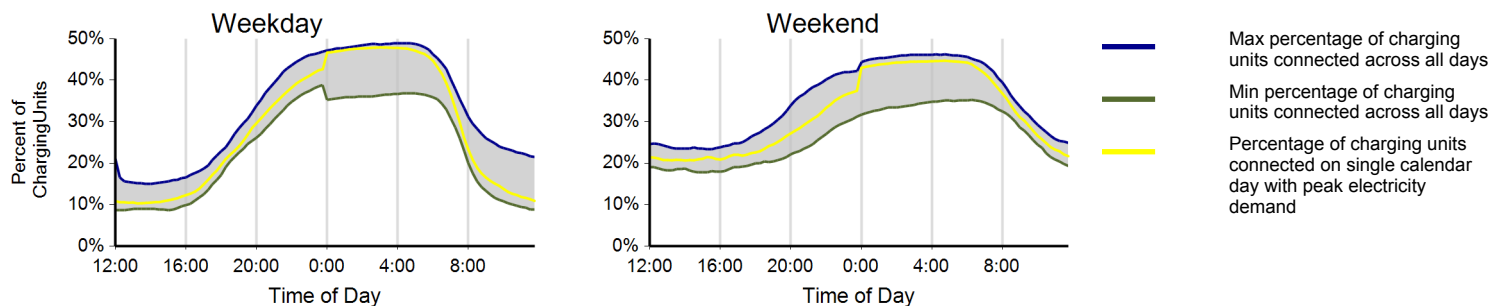


Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

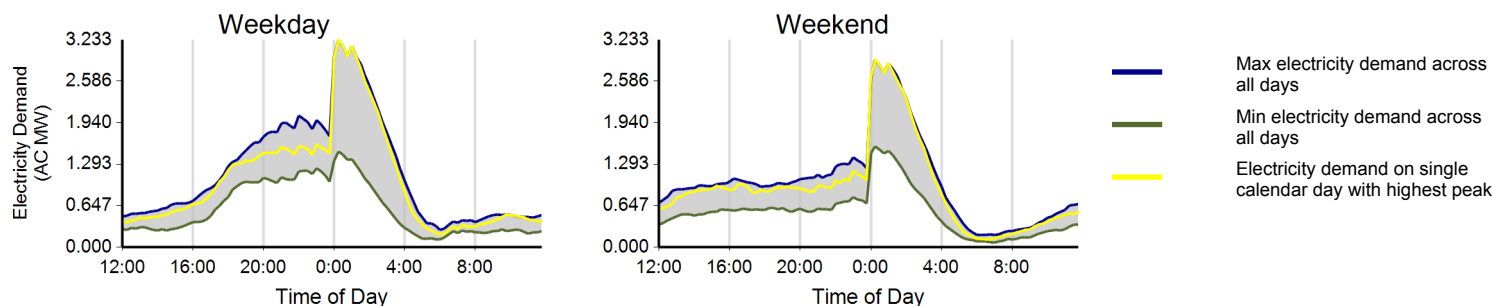
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

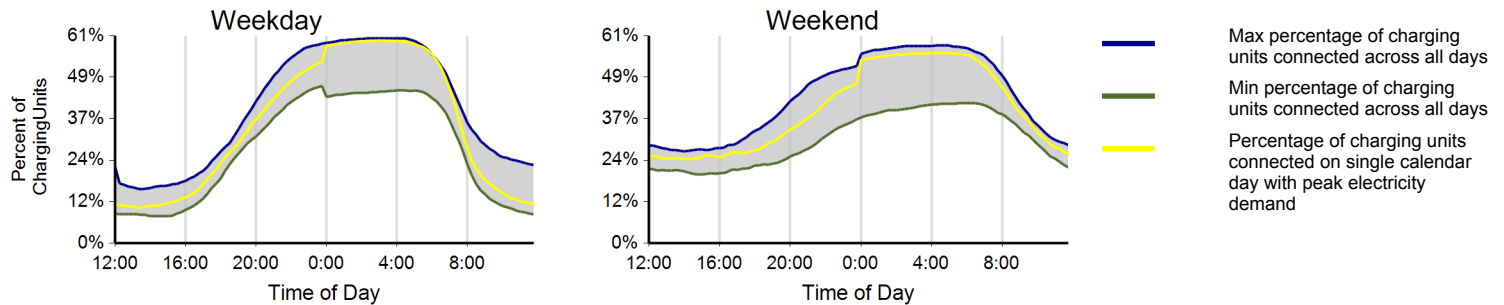
Region: ALL

Report period: January 2012 through March 2012

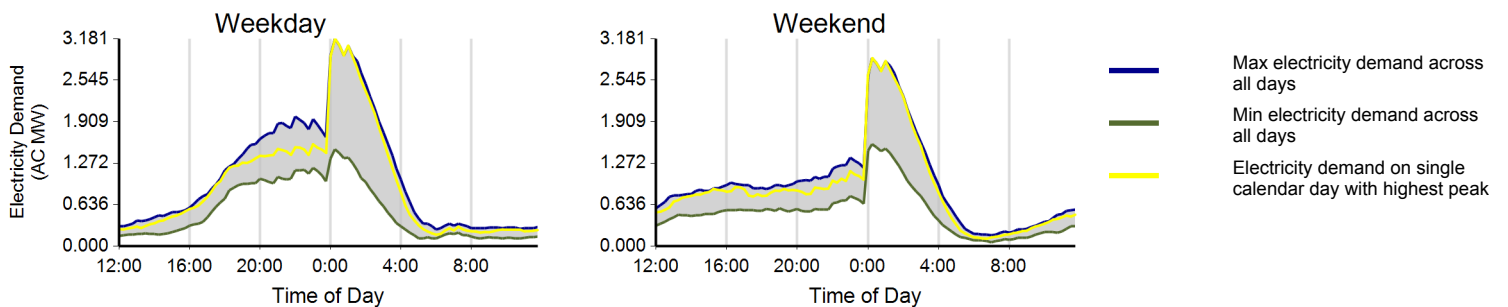
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	151,282	55,154	206,436
Electricity consumed (AC MWh)	1,271.85	437.88	1,709.74
Percent of time with a vehicle connected to EVSE	33%	37%	34%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.74	0.68	0.72

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 2012 through March 2012

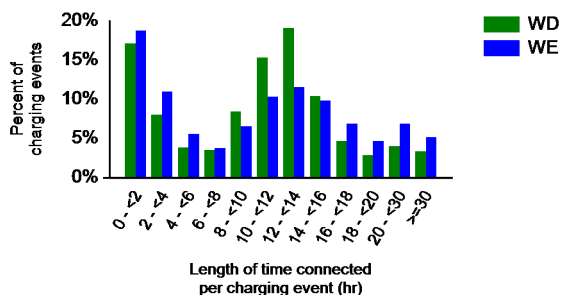
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	90%	10%	0%
Percent of electricity consumed	93%	7%	0%

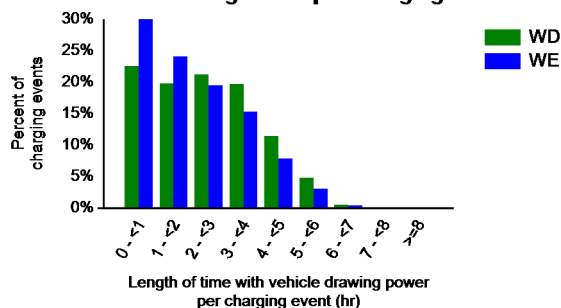
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.4	11.8	11.5
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)	8.7	7.3	8.3

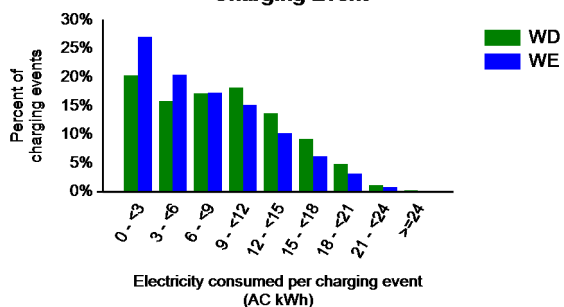
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

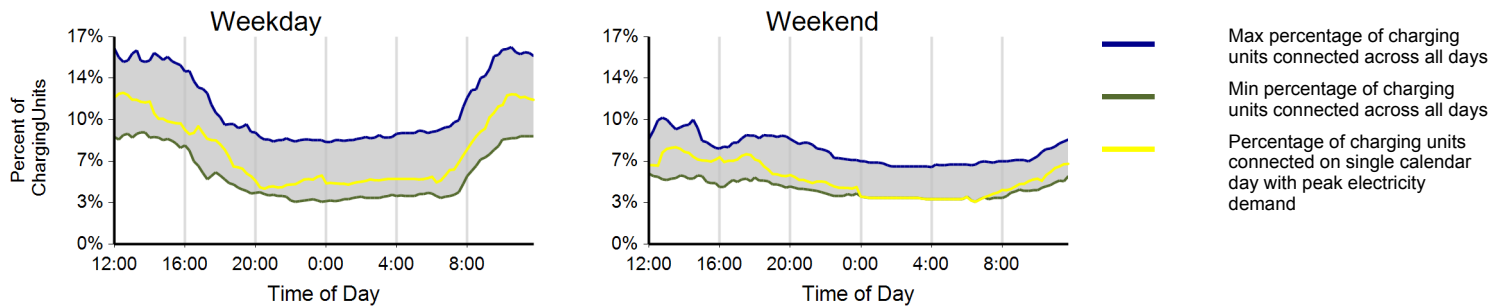
Region: ALL

Report period: January 2012 through March 2012

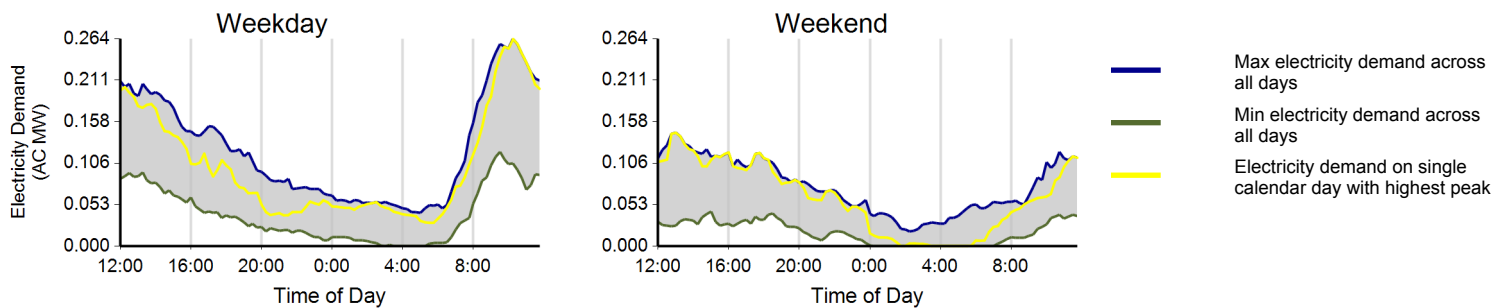
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	16,848	3,890	20,738
Electricity consumed (AC MWh)	123.23	25.28	148.50
Percent of time with a vehicle connected to EVSE	8%	6%	7%
Percent of time with a vehicle drawing power from EVSE	3%	2%	3%
Average number of charging events started per EVSE per day	0.34	0.20	0.30

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



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: ALL

Report period: January 2012 through March 2012

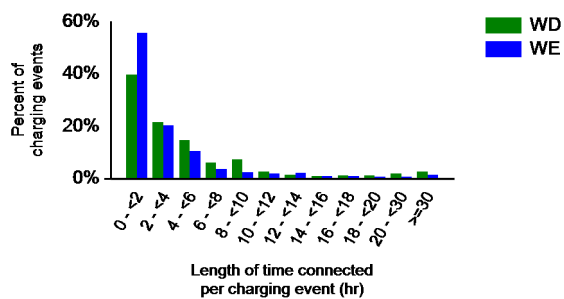
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	25%	2%	73%
Percent of electricity consumed	22%	1%	77%

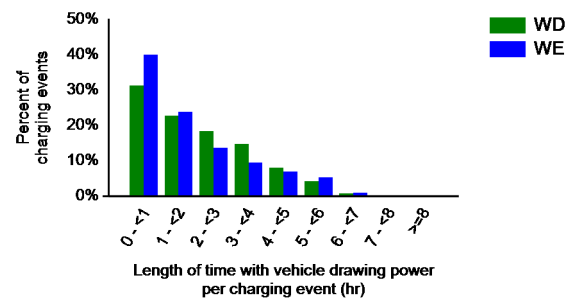
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.3	4.1	5.9
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)	7.3	6.6	7.2

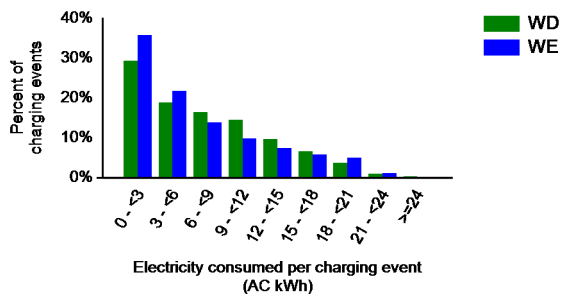
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Phoenix, AZ Metropolitan Area

Report period: January 2012 through March 2012

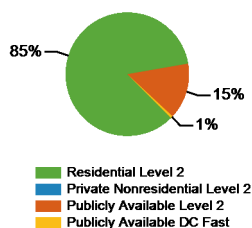
Number of EV Project vehicles in region: 190



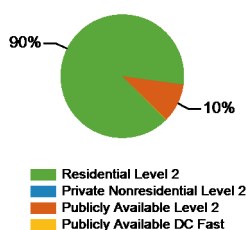
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	189	0	153	1	343
Number of charging events ²	13,000	0	2,249	89	15,338
Electricity consumed (AC MWh)	96.89	0.00	11.05	0.10	108.04
Percent of time with a vehicle connected to charging unit	34%	0%	3%	1%	22%
Percent of time with a vehicle drawing power from charging unit	7%	0%	1%	1%	5%

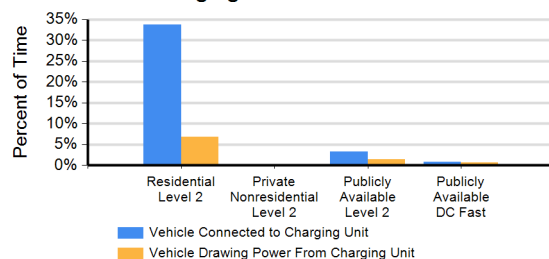
Number of Charge Events



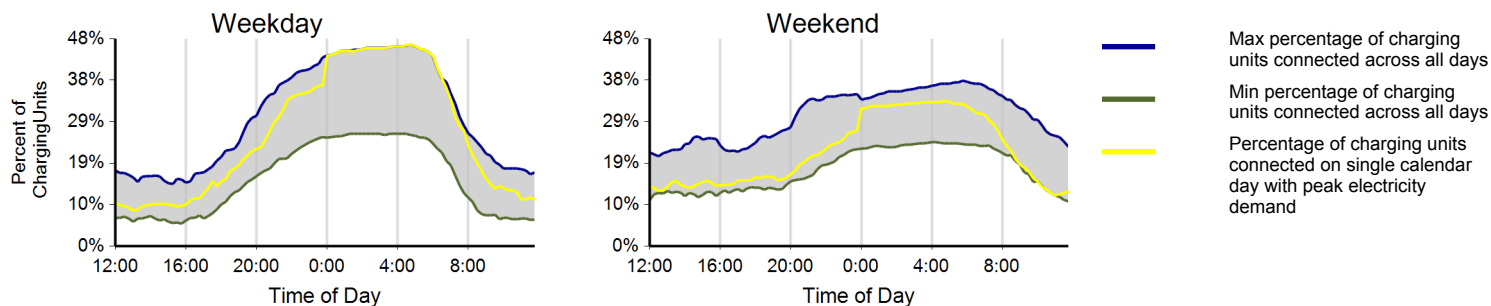
Electricity Consumed



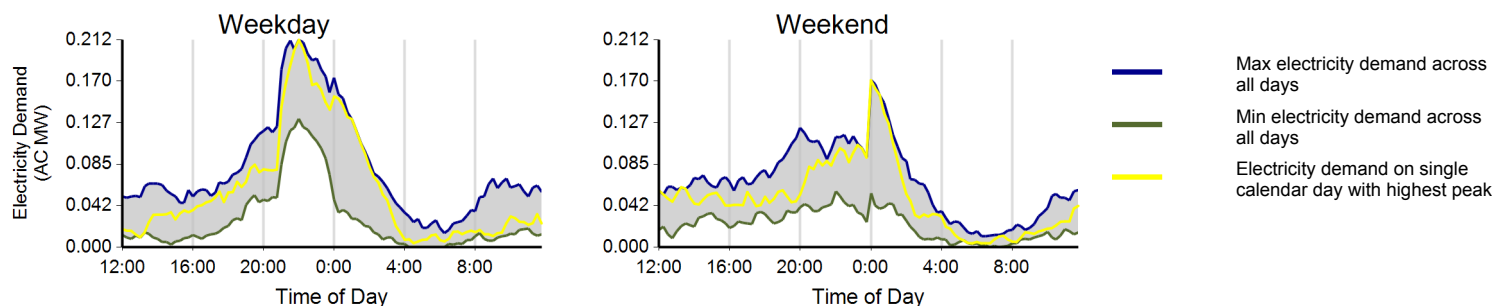
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

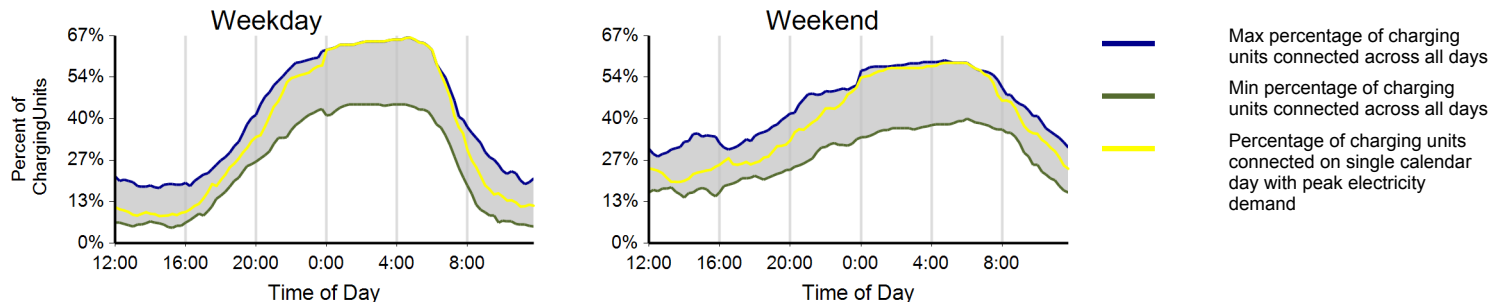
Region: Phoenix, AZ Metropolitan Area

Report period: January 2012 through March 2012

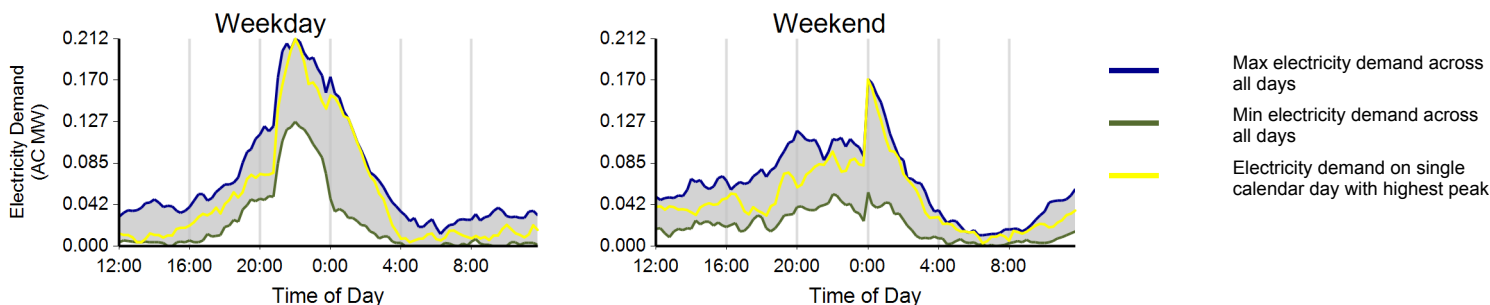
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	9,486	3,514	13,000
Electricity consumed (AC MWh)	72.14	24.75	96.89
Percent of time with a vehicle connected to EVSE	33%	36%	34%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.81	0.75	0.79

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 2012 through March 2012

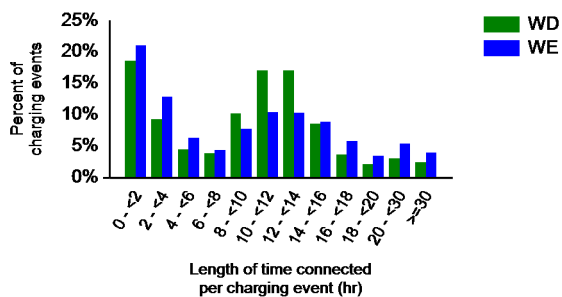
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	95%	5%	0%
Percent of electricity consumed	96%	4%	0%

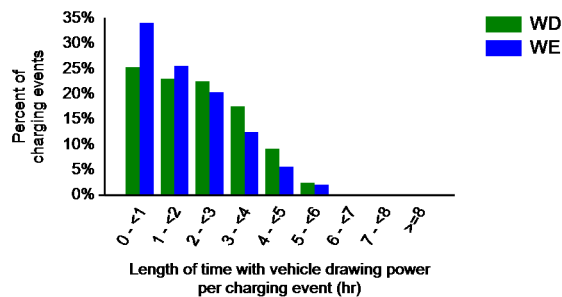
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.2	10.4	10.3
Average length of time with vehicle drawing power per charging event (hr)	2.2	1.8	2.1
Average electricity consumed per charging event (AC kWh)	7.8	6.5	7.5

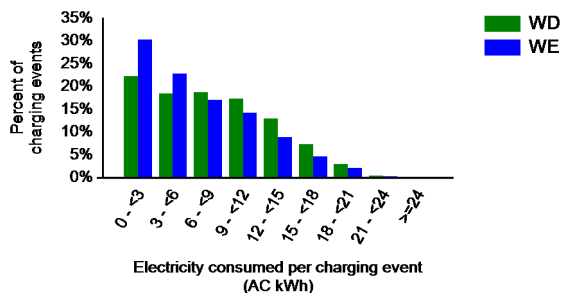
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

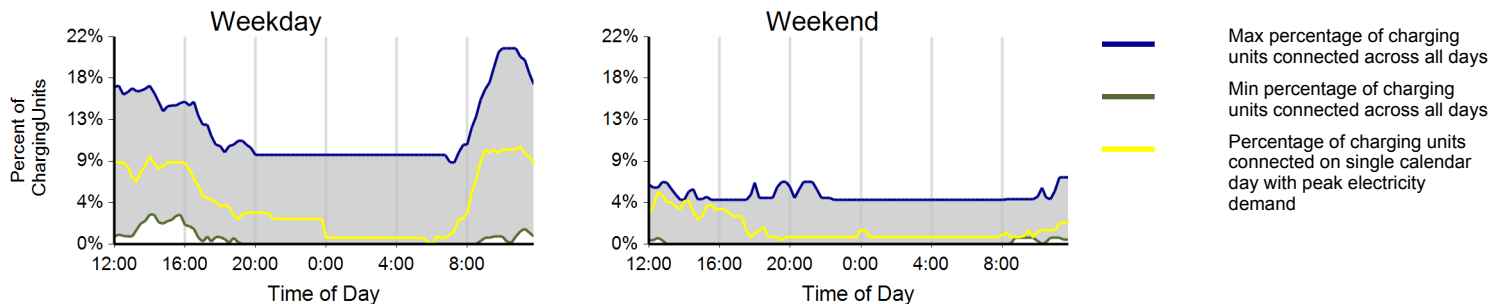
Region: Phoenix, AZ Metropolitan Area

Report period: January 2012 through March 2012

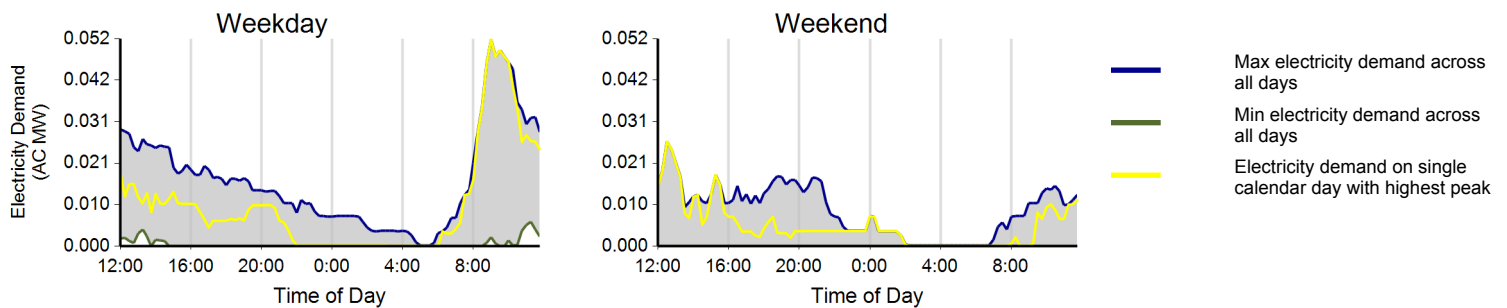
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,985	264	2,249
Electricity consumed (AC MWh)	9.68	1.34	11.03
Percent of time with a vehicle connected to EVSE	4%	2%	3%
Percent of time with a vehicle drawing power from EVSE	2%	1%	1%
Average number of charging events started per EVSE per day	0.28	0.09	0.23

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 2012 through March 2012

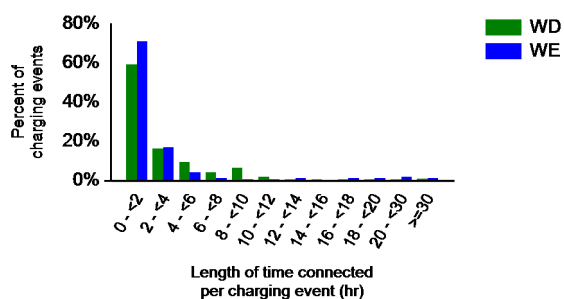
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	39%	0%	61%
Percent of electricity consumed	41%	0%	59%

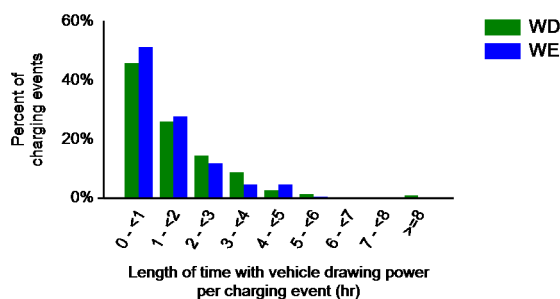
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.6	3.0	3.6
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)	4.9	4.9	4.9

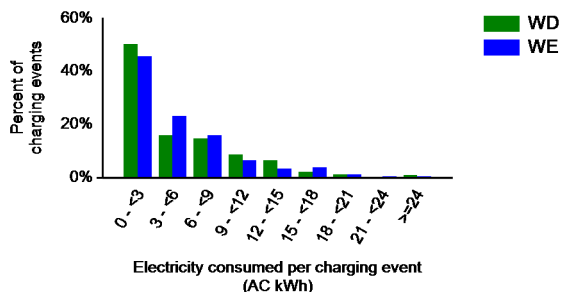
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Tucson, AZ Metropolitan Area

Report period: January 2012 through March 2012

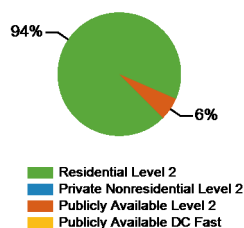
Number of EV Project vehicles in region: 55



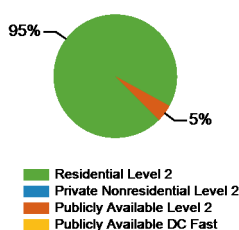
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	55	0	26	0	81
Number of charging events ²	3,741	0	237	0	3,978
Electricity consumed (AC MWh)	26.03	0.00	1.23	0.00	27.26
Percent of time with a vehicle connected to charging unit	37%	0%	4%	0%	27%
Percent of time with a vehicle drawing power from charging unit	6%	0%	1%	0%	4%

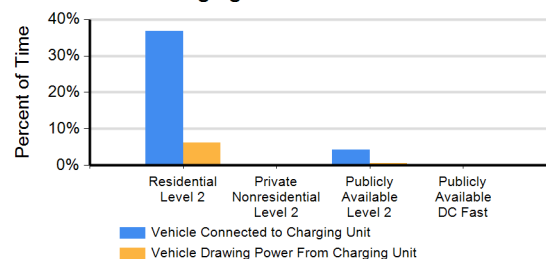
Number of Charge Events



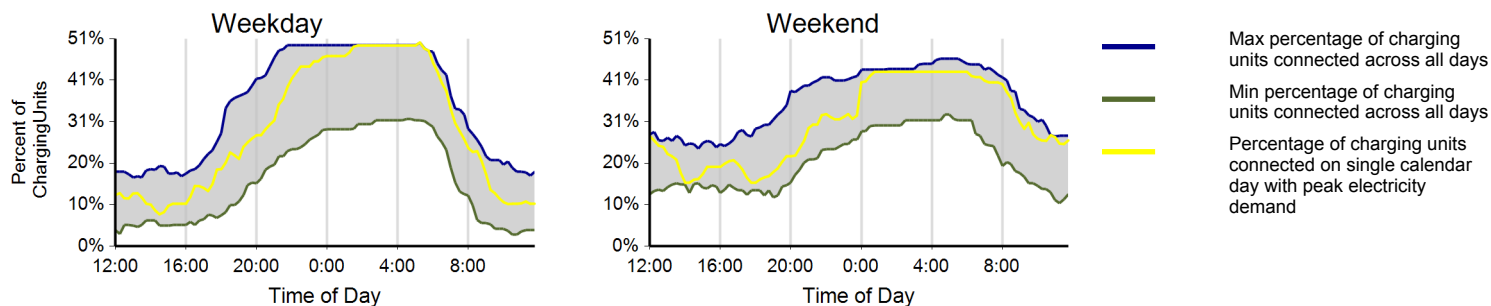
Electricity Consumed



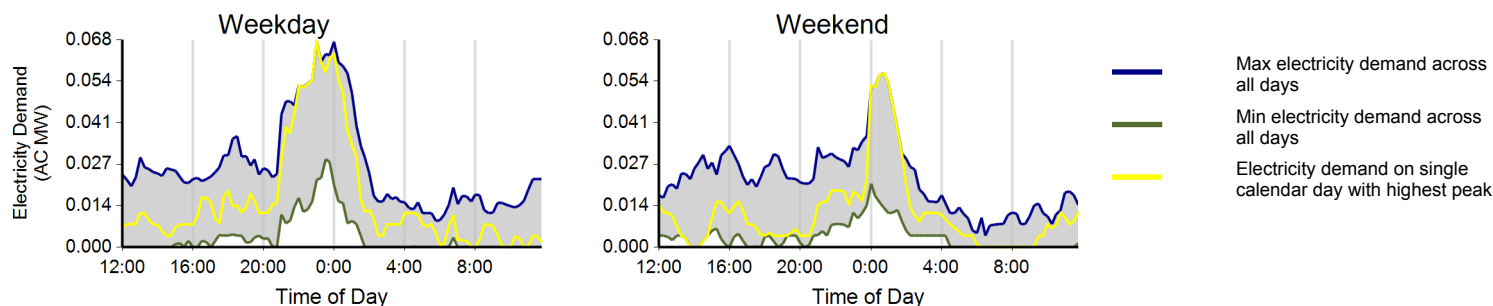
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

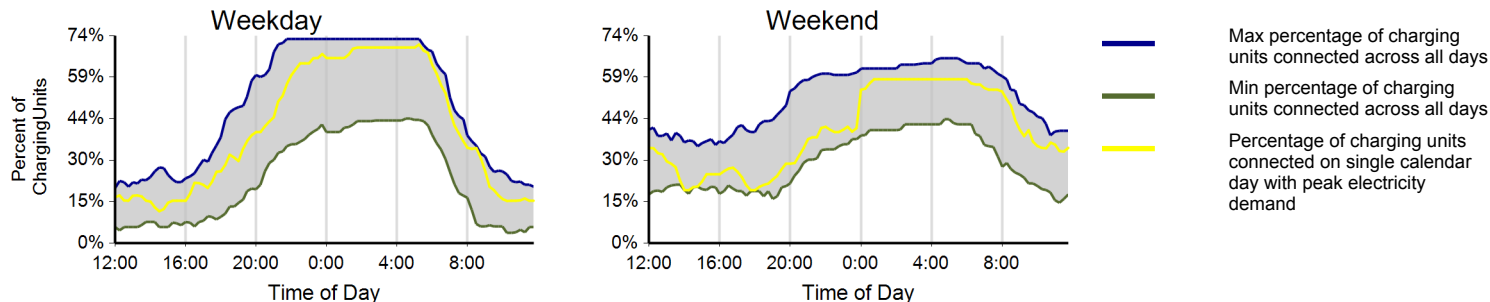
Region: Tucson, AZ Metropolitan Area

Report period: January 2012 through March 2012

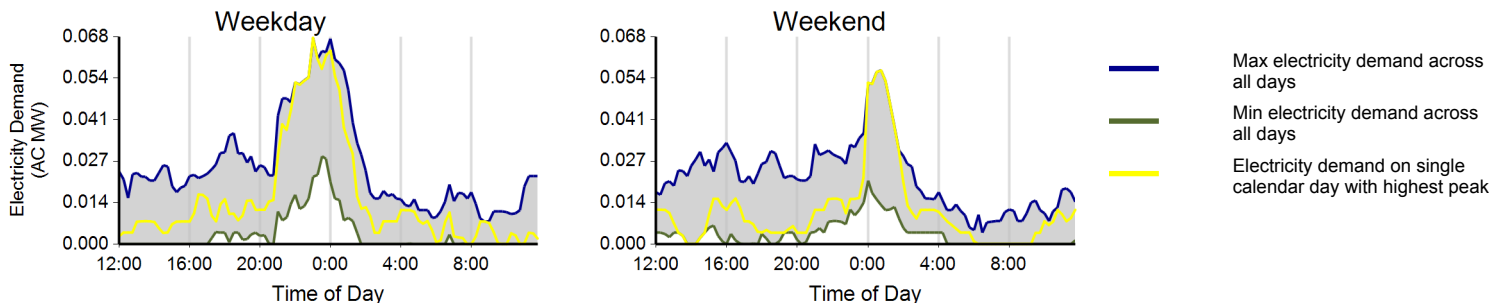
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,780	961	3,741
Electricity consumed (AC MWh)	19.46	6.56	26.02
Percent of time with a vehicle connected to EVSE	36%	38%	37%
Percent of time with a vehicle drawing power from EVSE	6%	5%	6%
Average number of charging events started per EVSE per day	0.81	0.70	0.77

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 2012 through March 2012

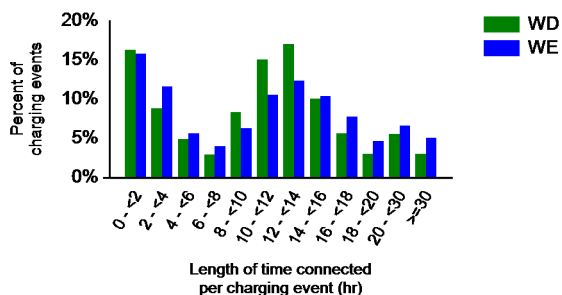
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	98%	2%	0%
Percent of electricity consumed	98%	2%	0%

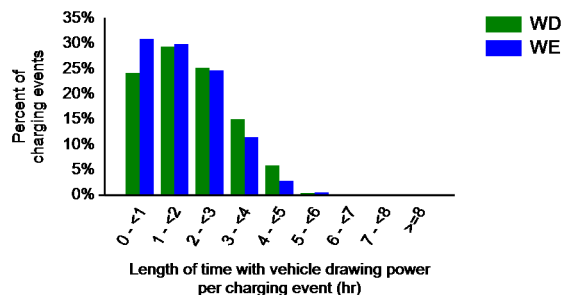
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.4	11.9	11.5
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.7	1.9
Average electricity consumed per charging event (AC kWh)	7.2	6.3	7.0

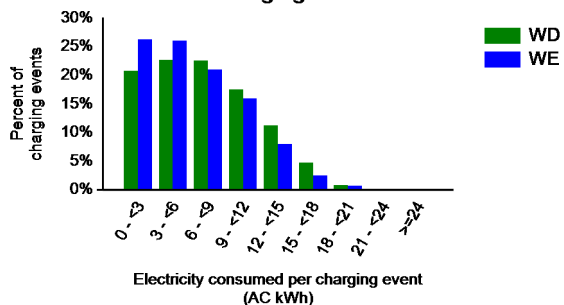
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

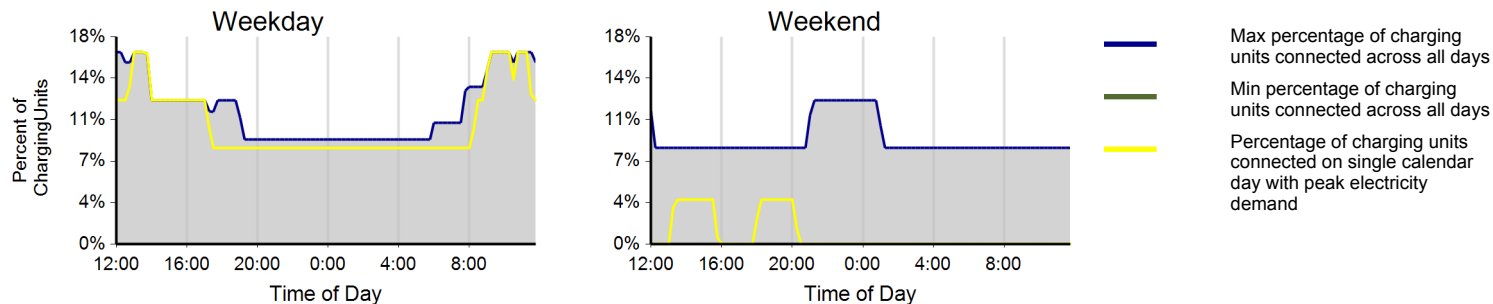
Region: Tucson, AZ Metropolitan Area

Report period: January 2012 through March 2012

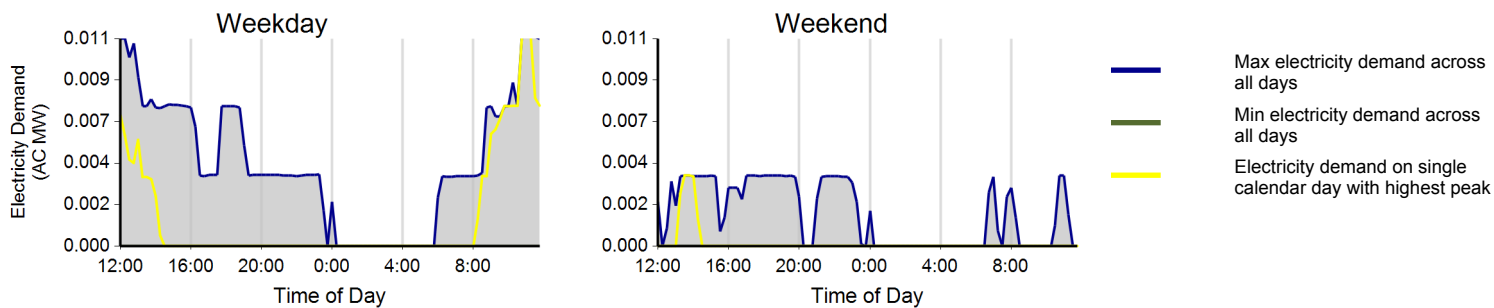
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	205	32	237
Electricity consumed (AC MWh)	1.10	0.14	1.23
Percent of time with a vehicle connected to EVSE	4%	4%	4%
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: Tucson, AZ Metropolitan Area

Report period: January 2012 through March 2012

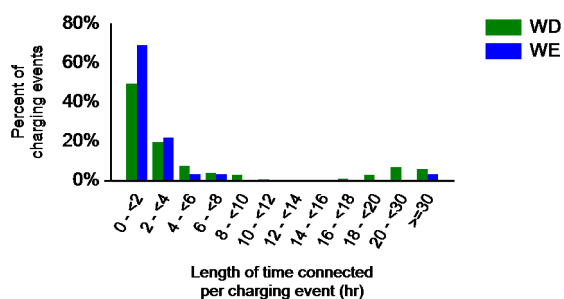
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	31%	0%	69%
Percent of electricity consumed	34%	0%	66%

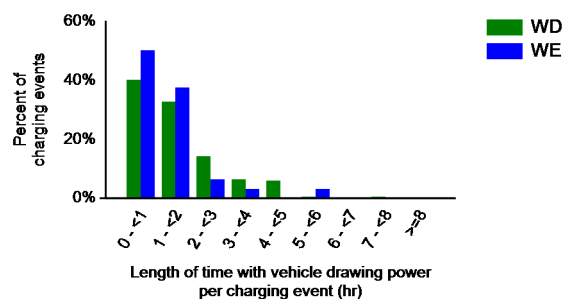
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.3	2.6	9.3
Average length of time with vehicle drawing power per charging event (hr)	1.5	1.2	1.5
Average electricity consumed per charging event (AC kWh)	5.4	4.2	5.2

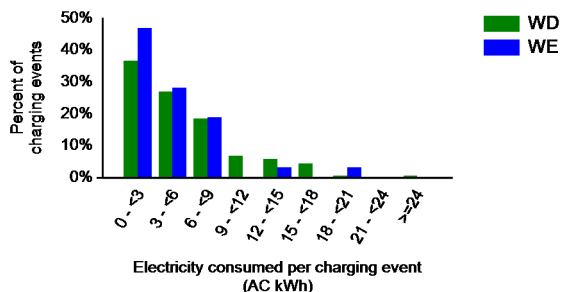
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Los Angeles, CA Metropolitan Area

Report period: January 2012 through March 2012

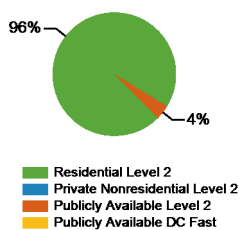
Number of EV Project vehicles in region: 283



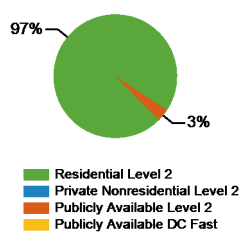
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	281	0	43	0	324
Number of charging events ²	15,382	0	607	0	15,989
Electricity consumed (AC MWh)	136.09	0.00	4.52	0.00	140.61
Percent of time with a vehicle connected to charging unit	30%	0%	6%	0%	28%
Percent of time with a vehicle drawing power from charging unit	6%	0%	2%	0%	6%

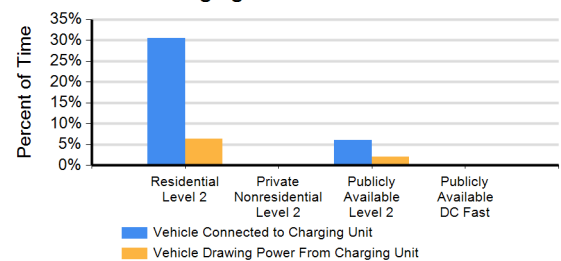
Number of Charge Events



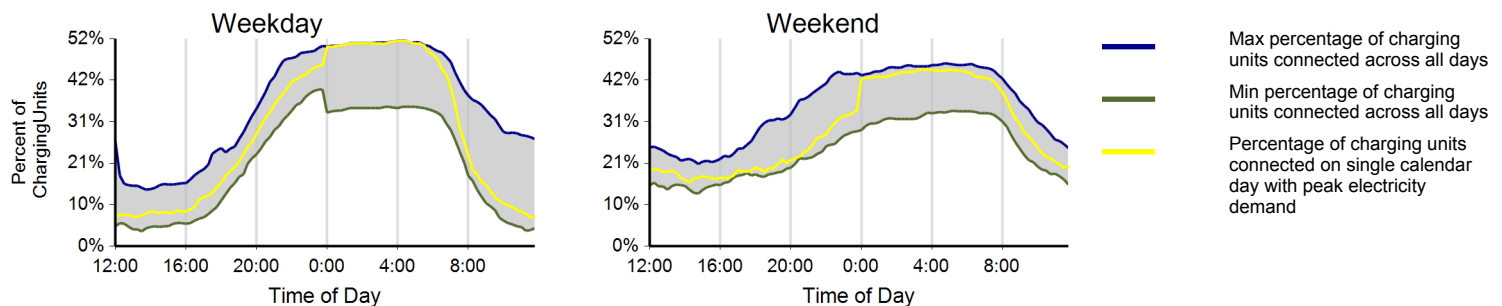
Electricity Consumed



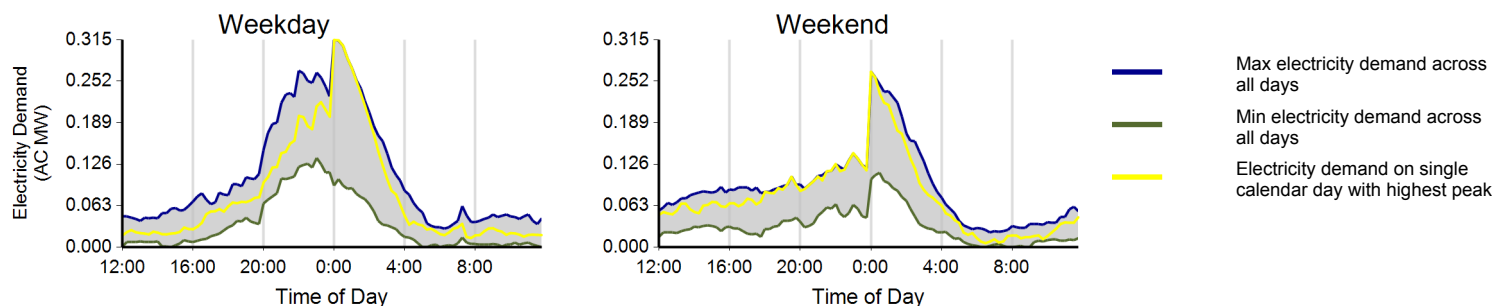
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

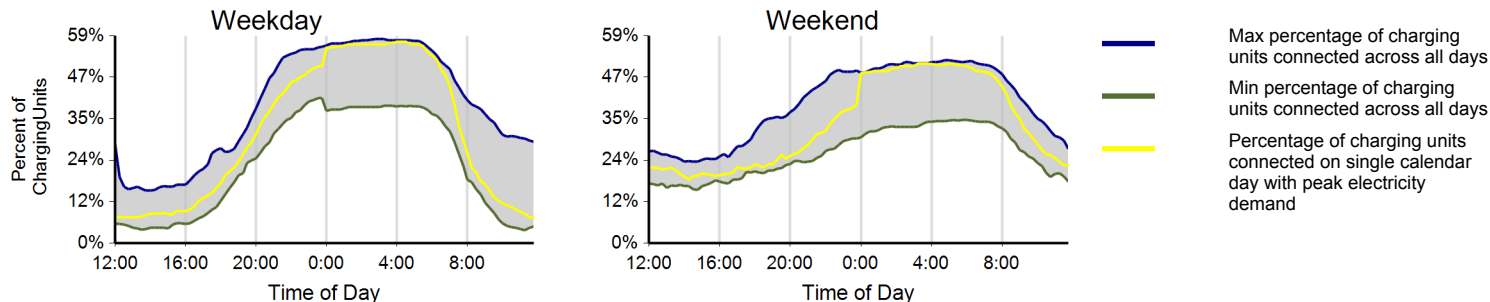
Region: Los Angeles, CA Metropolitan Area

Report period: January 2012 through March 2012

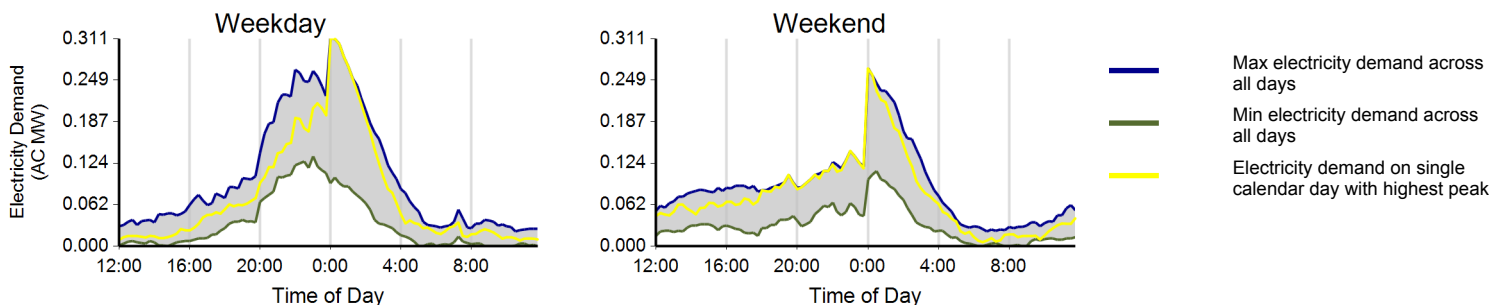
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	11,228	4,154	15,382
Electricity consumed (AC MWh)	100.62	35.46	136.08
Percent of time with a vehicle connected to EVSE	30%	32%	30%
Percent of time with a vehicle drawing power from EVSE	7%	6%	6%
Average number of charging events started per EVSE per day	0.64	0.59	0.63

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 2012 through March 2012

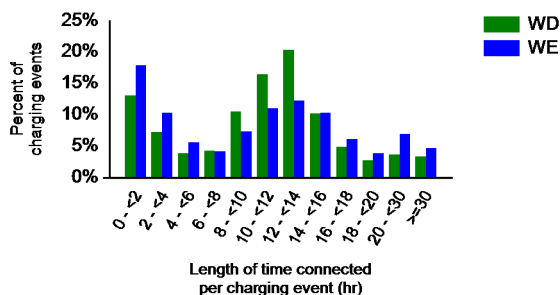
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	99%	1%	0%
Percent of electricity consumed	100%	1%	0%

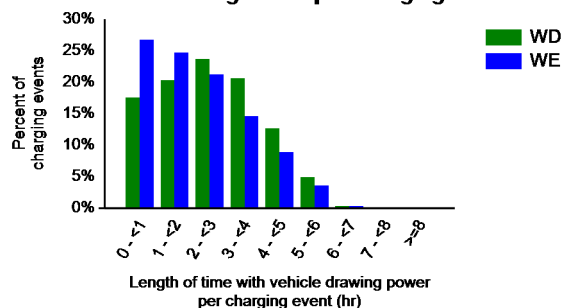
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.8	11.7	11.8
Average length of time with vehicle drawing power per charging event (hr)	2.6	2.1	2.4
Average electricity consumed per charging event (AC kWh)	9.3	7.7	8.8

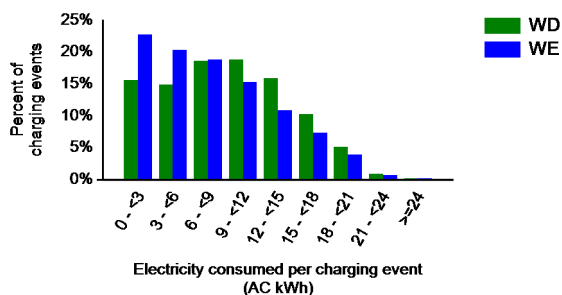
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

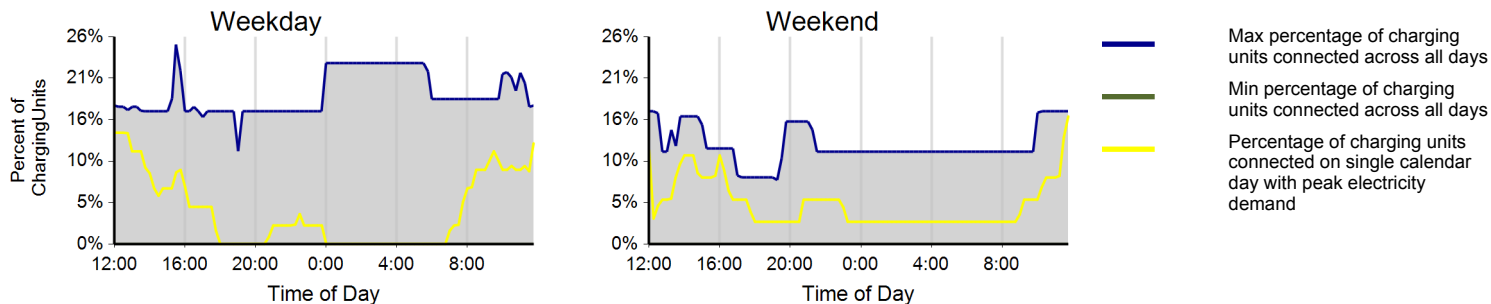
Region: Los Angeles, CA Metropolitan Area

Report period: January 2012 through March 2012

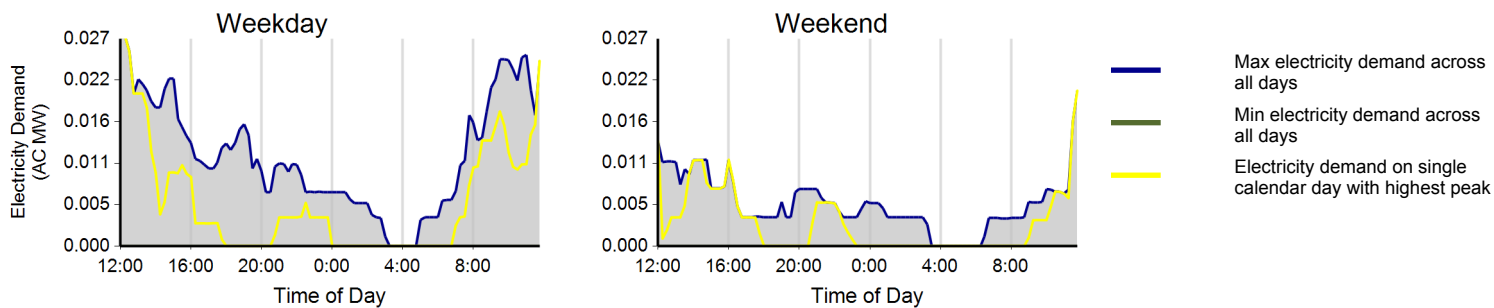
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	508	99	607
Electricity consumed (AC MWh)	4.00	0.52	4.52
Percent of time with a vehicle connected to EVSE	6%	6%	6%
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	0.13	0.23

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 2012 through March 2012

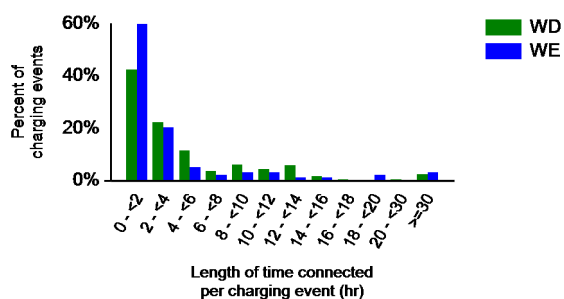
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	22%	0%	78%
Percent of electricity consumed	20%	0%	80%

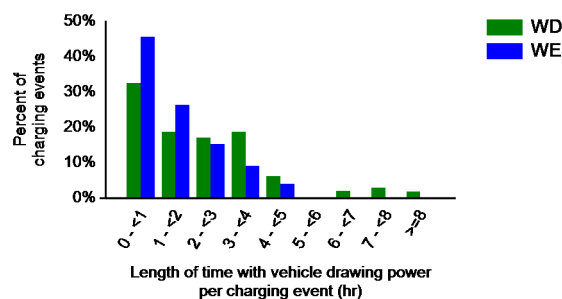
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.0	8.0	6.3
Average length of time with vehicle drawing power per charging event (hr)	2.3	1.4	2.2
Average electricity consumed per charging event (AC kWh)	7.9	5.0	7.4

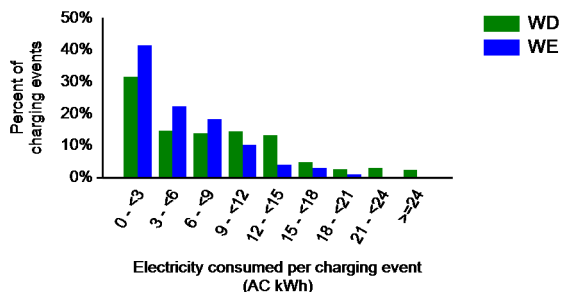
Distribution of Length of Time with a Vehicle Connected per Charging Event



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: San Diego, CA Metropolitan Area

Report period: January 2012 through March 2012

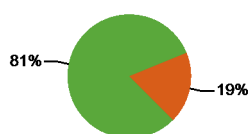
Number of EV Project vehicles in region: 534



Charging Unit Usage

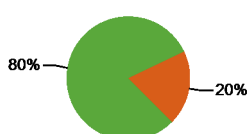
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	539	0	100	0	639
Number of charging events ²	34,617	0	7,949	0	42,566
Electricity consumed (AC MWh)	287.48	0.00	70.06	0.00	357.55
Percent of time with a vehicle connected to charging unit	35%	0%	21%	0%	33%
Percent of time with a vehicle drawing power from charging unit	7%	0%	11%	0%	8%

Number of Charge Events



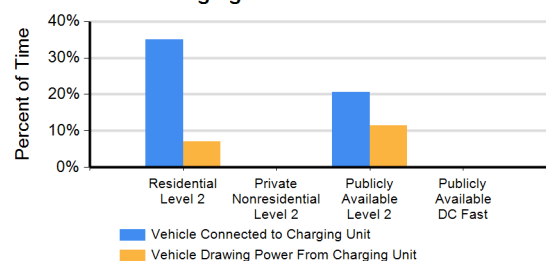
Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

Electricity Consumed

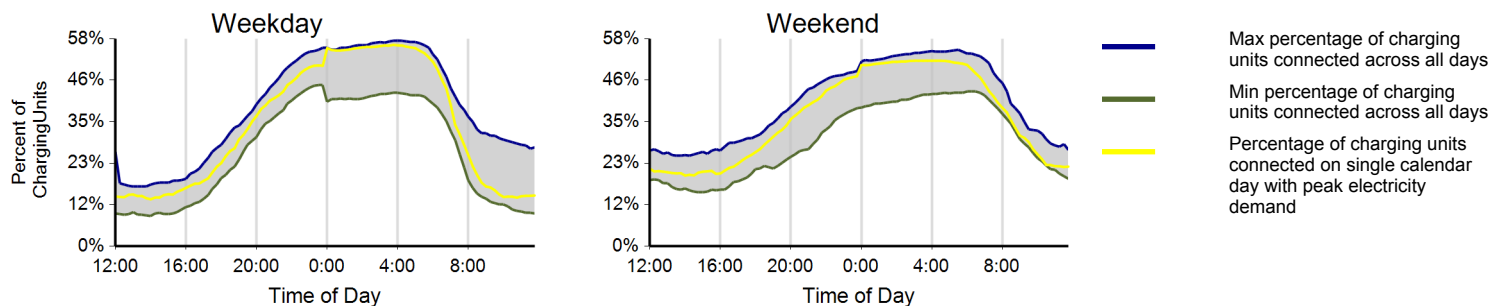


Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

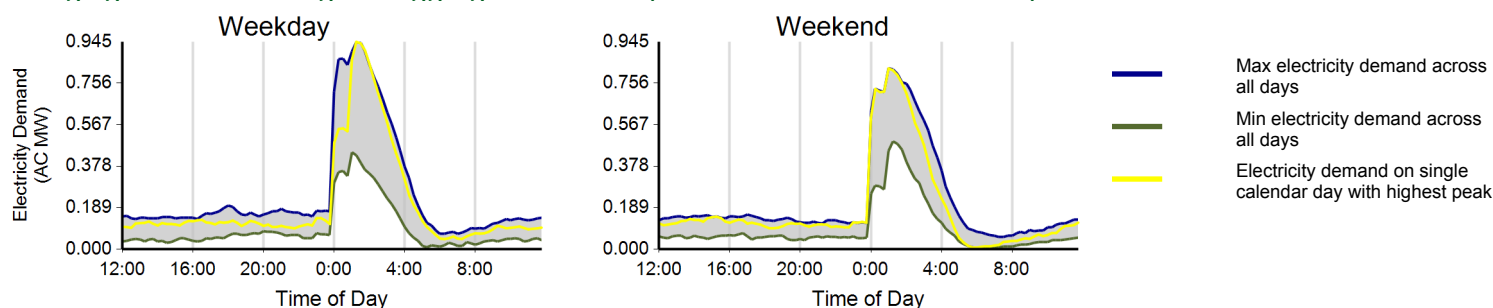
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

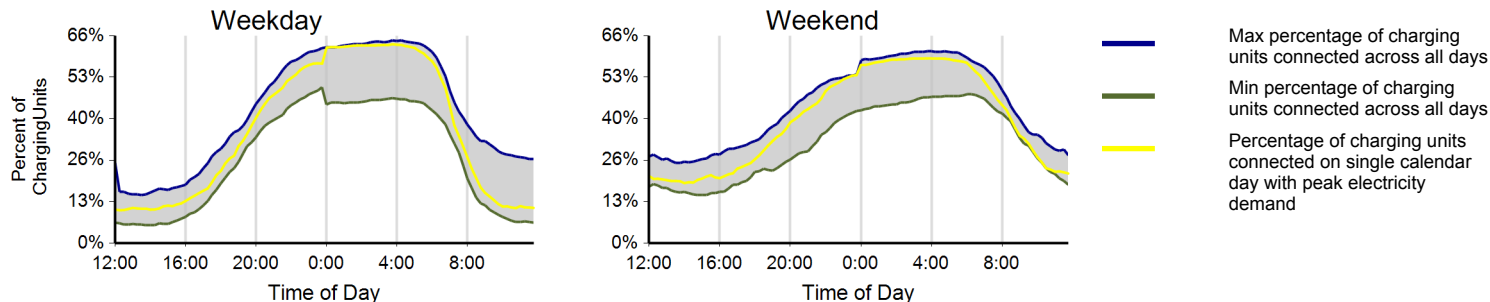
Region: San Diego, CA Metropolitan Area

Report period: January 2012 through March 2012

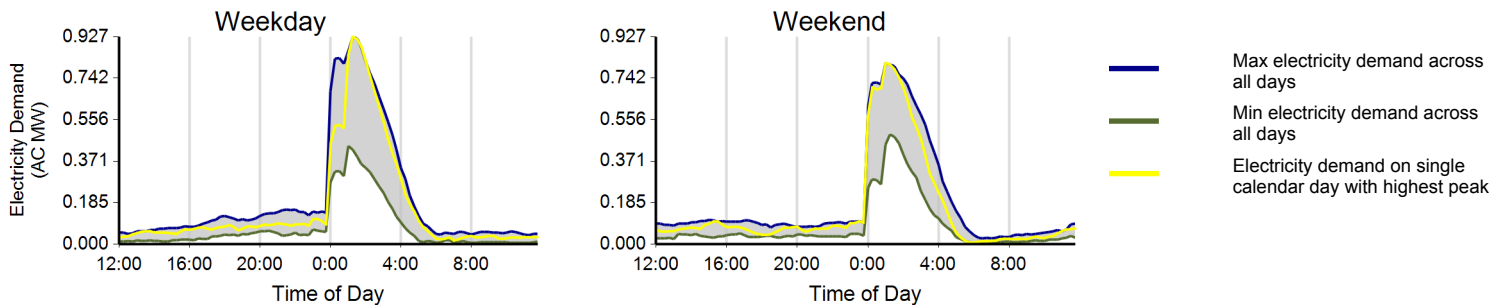
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	25,537	9,080	34,617
Electricity consumed (AC MWh)	210.13	77.34	287.47
Percent of time with a vehicle connected to EVSE	34%	38%	35%
Percent of time with a vehicle drawing power from EVSE	7%	7%	7%
Average number of charging events started per EVSE per day	0.76	0.68	0.74

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 2012 through March 2012

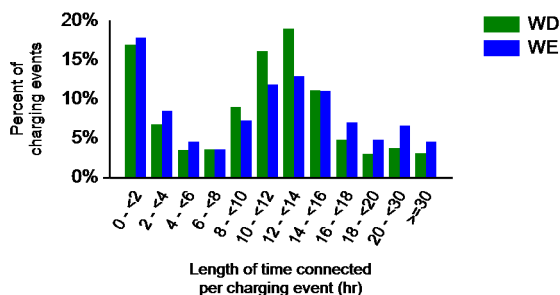
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	88%	12%	0%
Percent of electricity consumed	91%	9%	0%

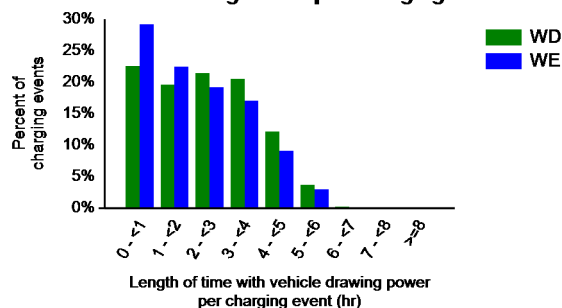
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.4	11.9	11.6
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.1	2.3
Average electricity consumed per charging event (AC kWh)	8.6	7.5	8.3

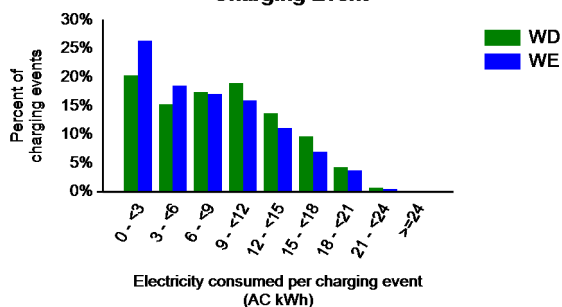
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

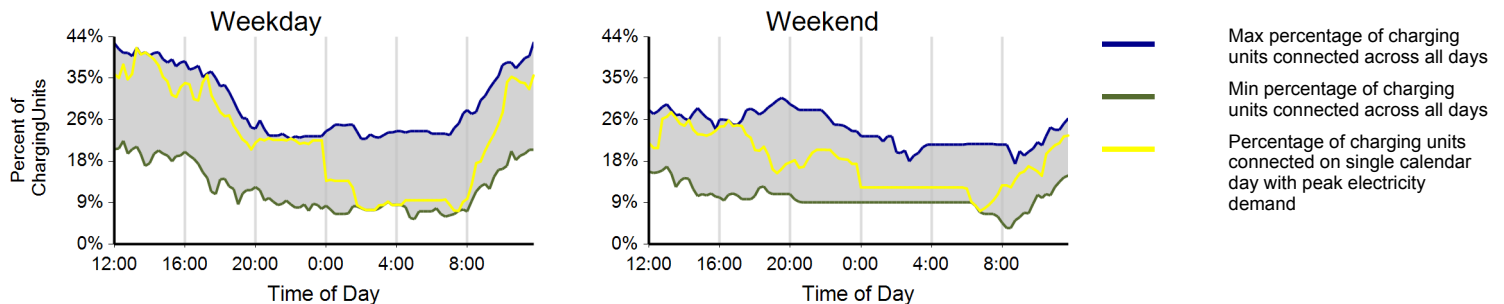
Region: San Diego, CA Metropolitan Area

Report period: January 2012 through March 2012

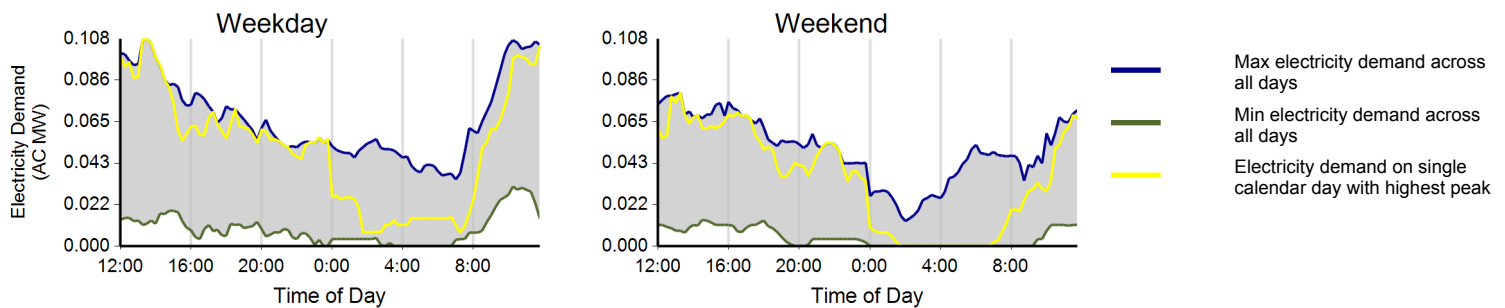
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	6,264	1,685	7,949
Electricity consumed (AC MWh)	55.46	14.60	70.06
Percent of time with a vehicle connected to EVSE	22%	18%	21%
Percent of time with a vehicle drawing power from EVSE	13%	8%	11%
Average number of charging events started per EVSE per day	1.21	0.82	1.10

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: San Diego, CA Metropolitan Area

Report period: January 2012 through March 2012

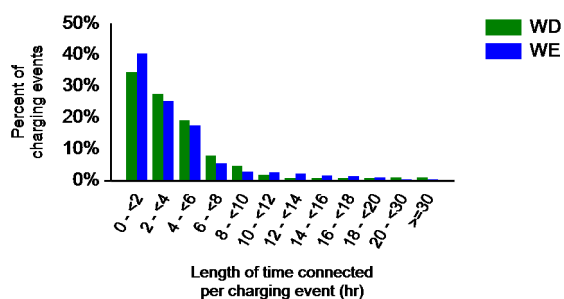
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	12%	1%	87%
Percent of electricity consumed	10%	0%	89%

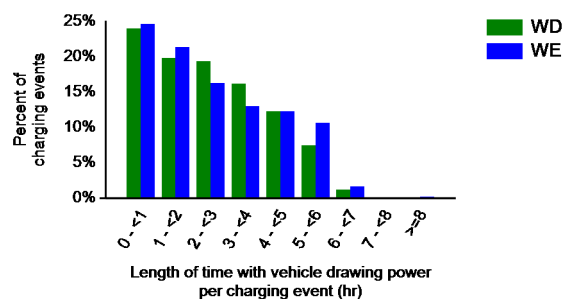
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	4.6	4.4	4.5
Average length of time with vehicle drawing power per charging event (hr)	2.5	2.7	2.5
Average electricity consumed per charging event (AC kWh)	8.8	9.0	8.8

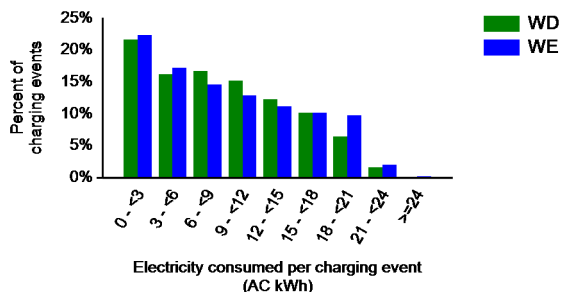
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: San Francisco, CA Metropolitan Area

Report period: January 2012 through March 2012

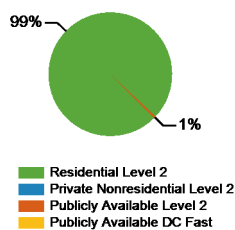
Number of EV Project vehicles in region: 882



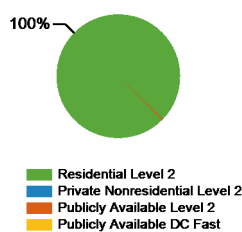
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	891	0	12	0	903
Number of charging events ²	49,828	0	267	0	50,095
Electricity consumed (AC MWh)	470.08	0.00	1.52	0.00	471.61
Percent of time with a vehicle connected to charging unit	33%	0%	4%	0%	32%
Percent of time with a vehicle drawing power from charging unit	7%	0%	2%	0%	7%

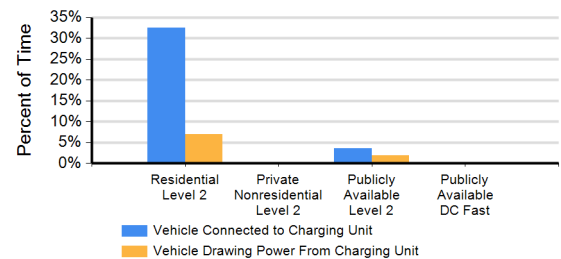
Number of Charge Events



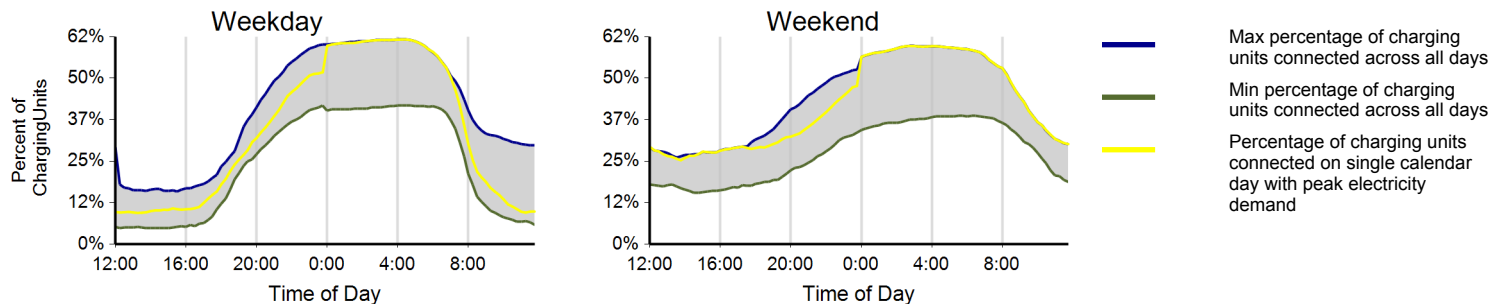
Electricity Consumed



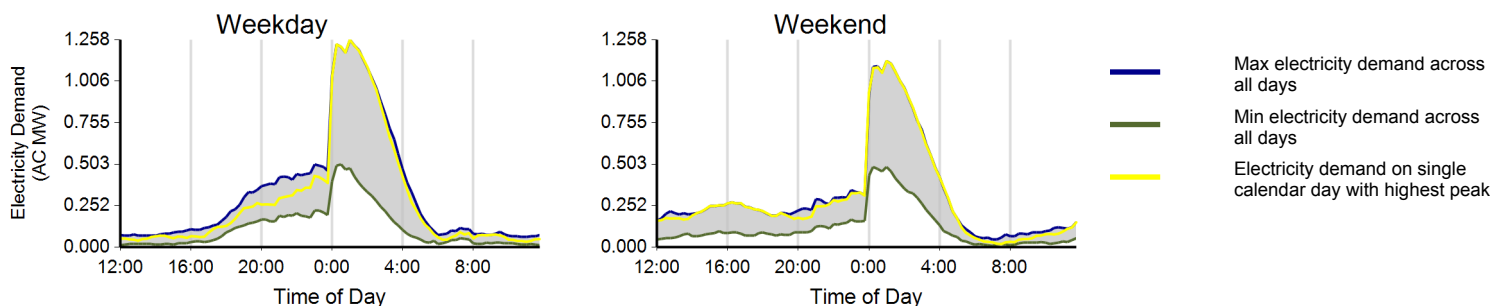
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

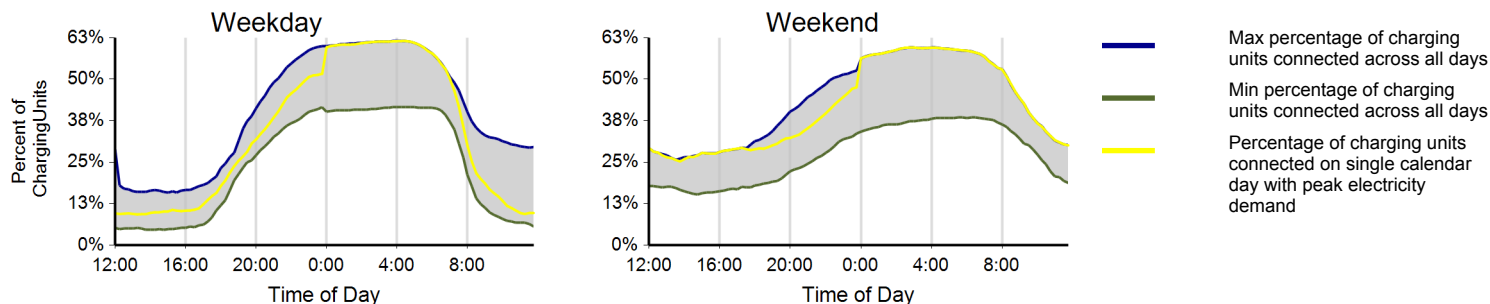
Region: San Francisco, CA Metropolitan Area

Report period: January 2012 through March 2012

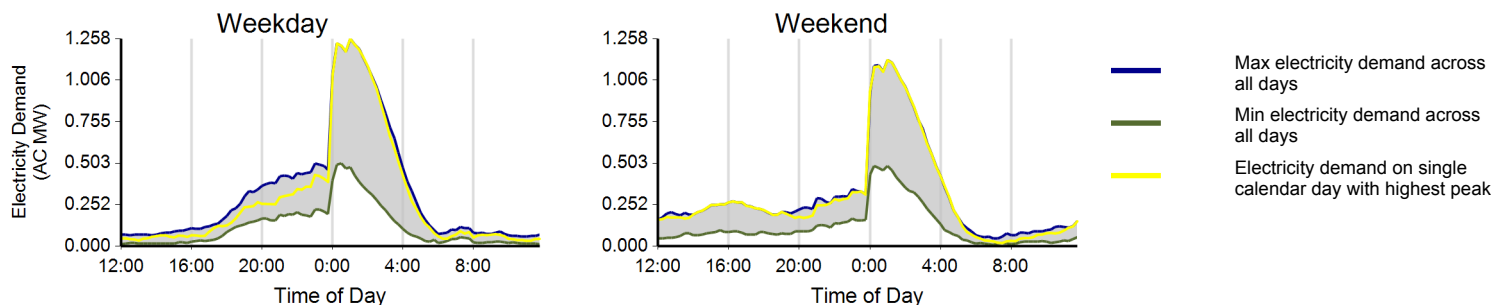
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	36,496	13,332	49,828
Electricity consumed (AC MWh)	347.72	122.30	470.01
Percent of time with a vehicle connected to EVSE	32%	35%	33%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.66	0.61	0.65

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 2012 through March 2012

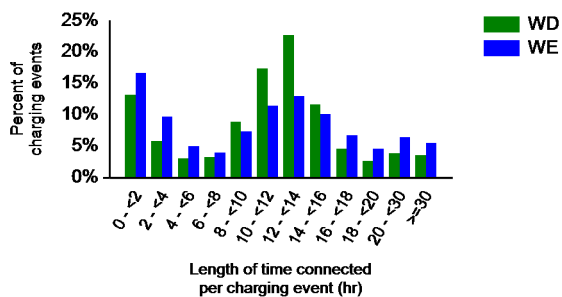
Vehicles Charged

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

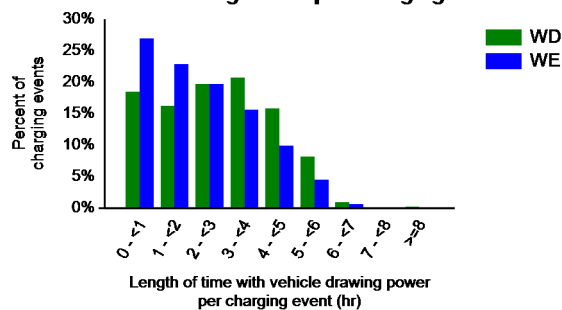
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	12.2	12.1	12.2
Average length of time with vehicle drawing power per charging event (hr)	2.8	2.2	2.6
Average electricity consumed per charging event (AC kWh)	10.0	7.9	9.4

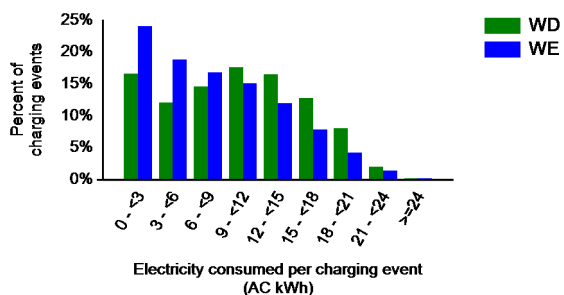
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

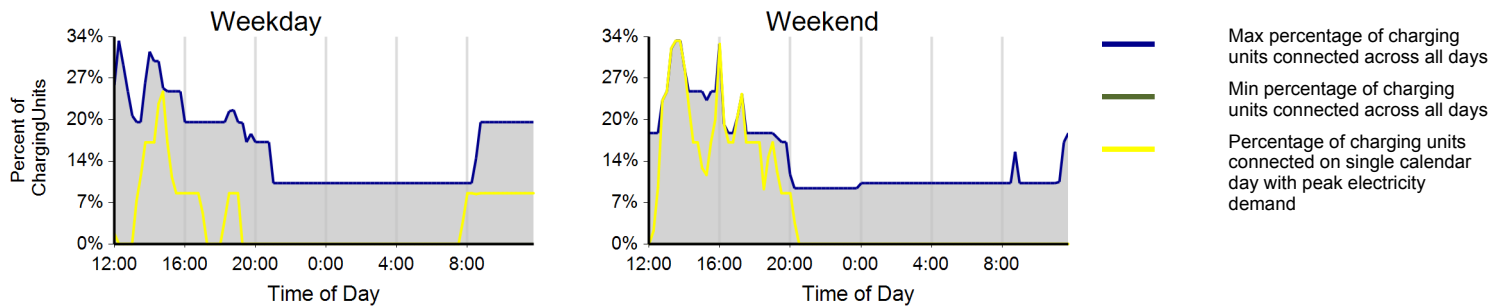
Region: San Francisco, CA Metropolitan Area

Report period: January 2012 through March 2012

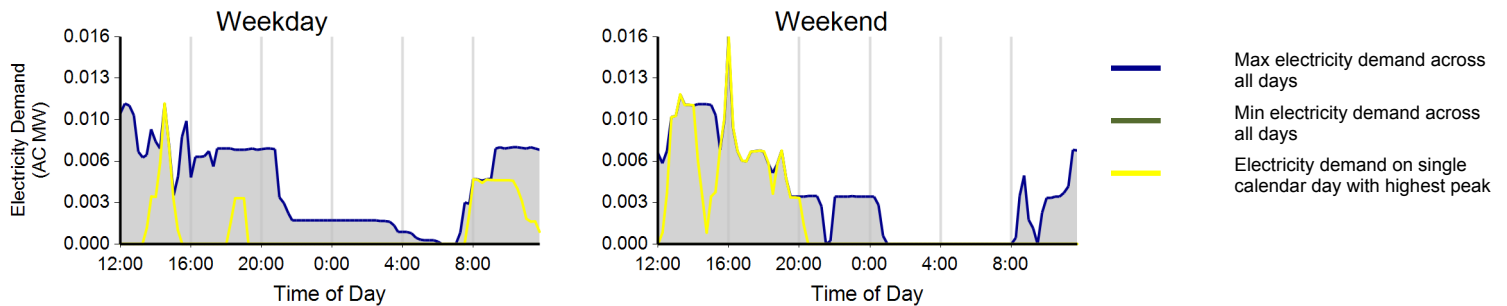
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	202	65	267
Electricity consumed (AC MWh)	1.22	0.30	1.52
Percent of time with a vehicle connected to EVSE	4%	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	0.29	0.23	0.27

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 2012 through March 2012

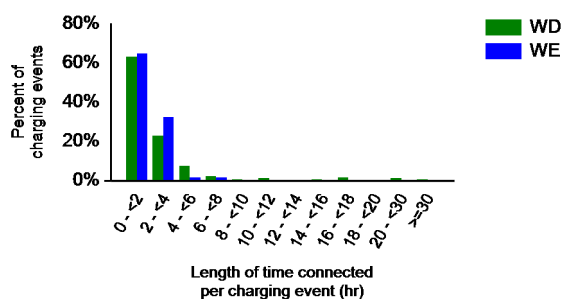
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	27%	0%	73%
Percent of electricity consumed	25%	0%	75%

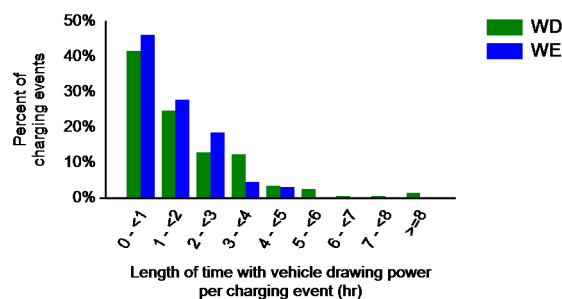
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.7	1.6	3.2
Average length of time with vehicle drawing power per charging event (hr)	1.8	1.3	1.7
Average electricity consumed per charging event (AC kWh)	6.0	4.7	5.7

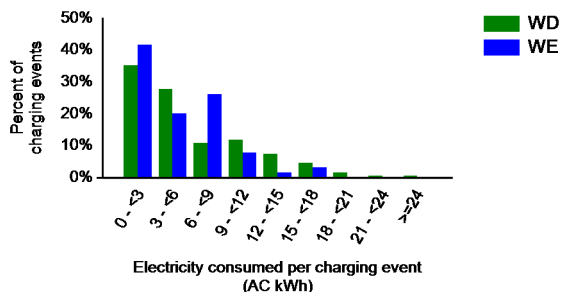
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Washington, D.C. Metropolitan Area

Report period: January 2012 through March 2012

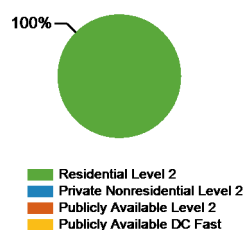
Number of EV Project vehicles in region: 77



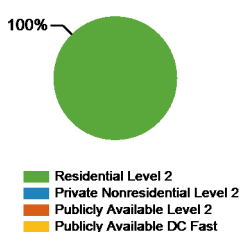
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	80	0	0	0	80
Number of charging events ²	5,123	0	0	0	5,123
Electricity consumed (AC MWh)	32.11	0.00	0.00	0.00	32.11
Percent of time with a vehicle connected to charging unit	44%	0%	0%	0%	44%
Percent of time with a vehicle drawing power from charging unit	8%	0%	0%	0%	8%

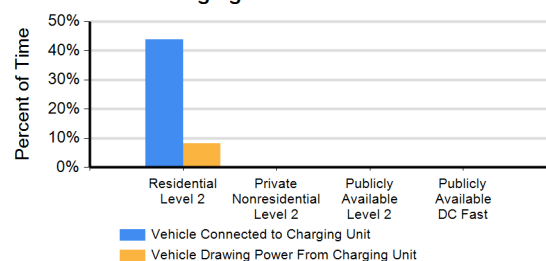
Number of Charge Events



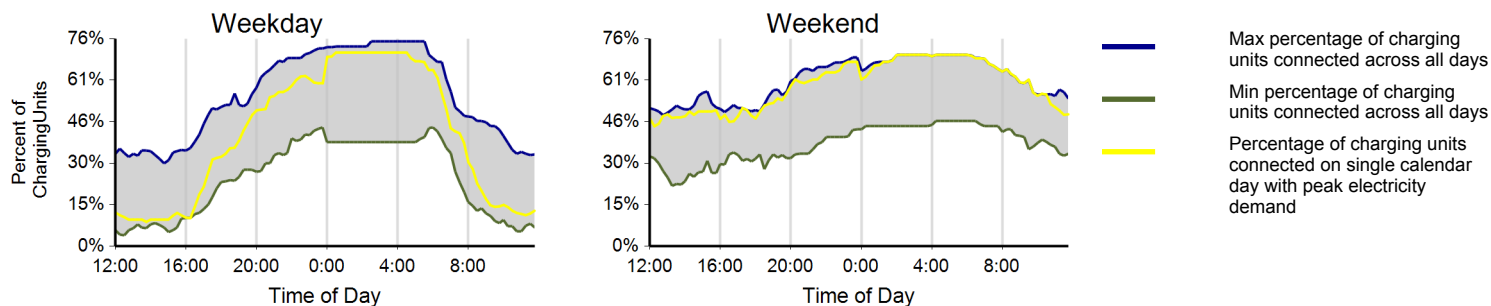
Electricity Consumed



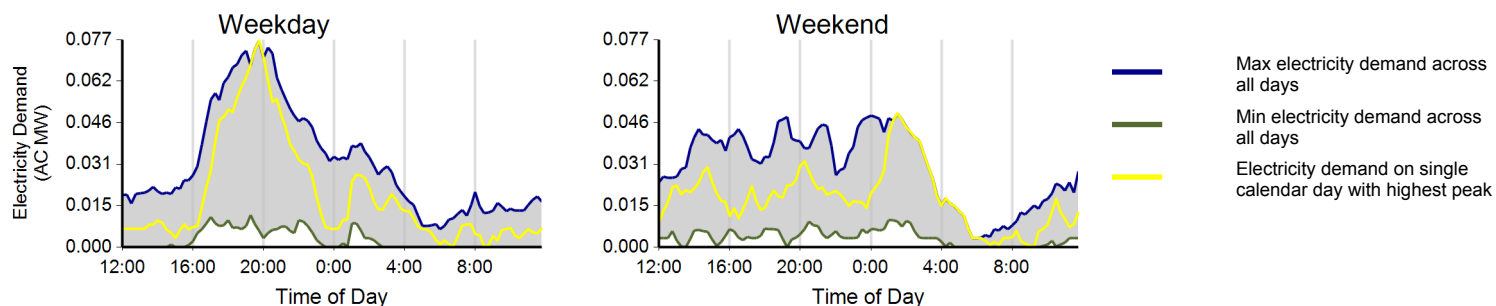
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Washington, D.C. Metropolitan Area

Report period: January 2012 through March 2012

EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,635	1,488	5,123
Electricity consumed (AC MWh)	23.90	8.21	32.11
Percent of time with a vehicle connected to EVSE	41%	50%	44%
Percent of time with a vehicle drawing power from EVSE	9%	7%	8%
Average number of charging events started per EVSE per day	0.99	1.02	1.00

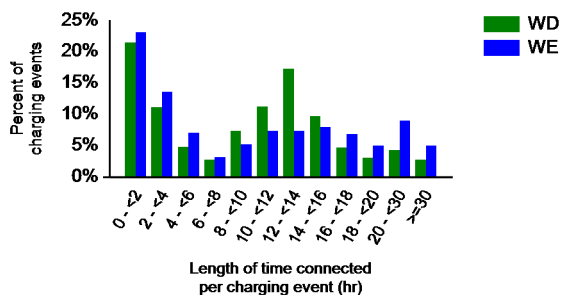
Vehicles Charged

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

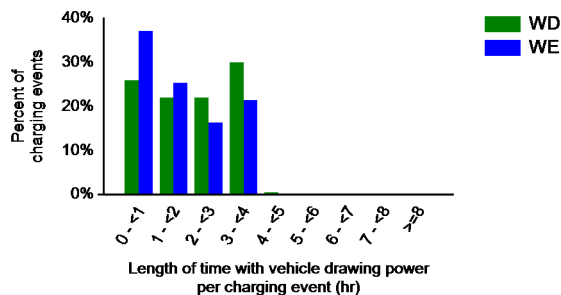
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.4	11.3	10.6
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)	6.6	5.4	6.3

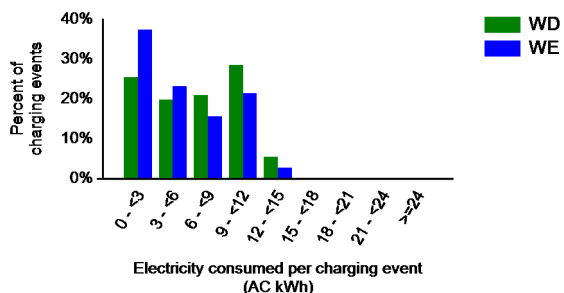
Distribution of Length of Time with a Vehicle Connected per Charging Event



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: Oregon

Report period: January 2012 through March 2012

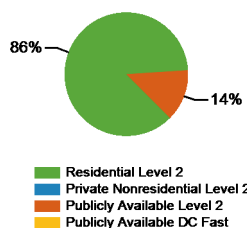
Number of EV Project vehicles in region: 303



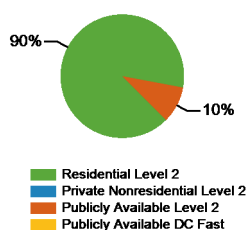
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	302	0	187	0	489
Number of charging events ²	19,047	0	2,982	0	22,029
Electricity consumed (AC MWh)	154.33	0.00	16.30	0.00	170.63
Percent of time with a vehicle connected to charging unit	35%	0%	9%	0%	27%
Percent of time with a vehicle drawing power from charging unit	7%	0%	1%	0%	5%

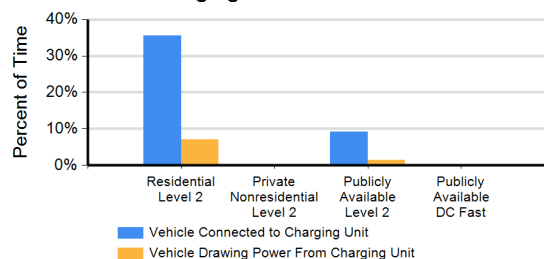
Number of Charge Events



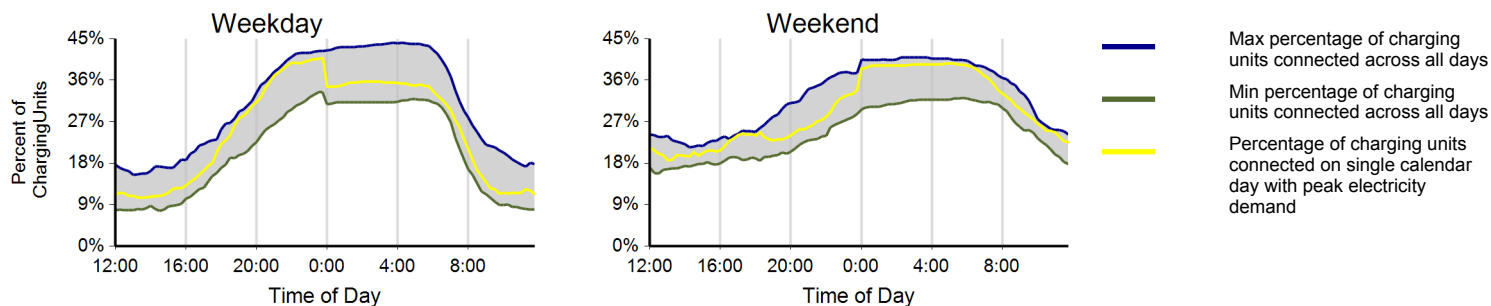
Electricity Consumed



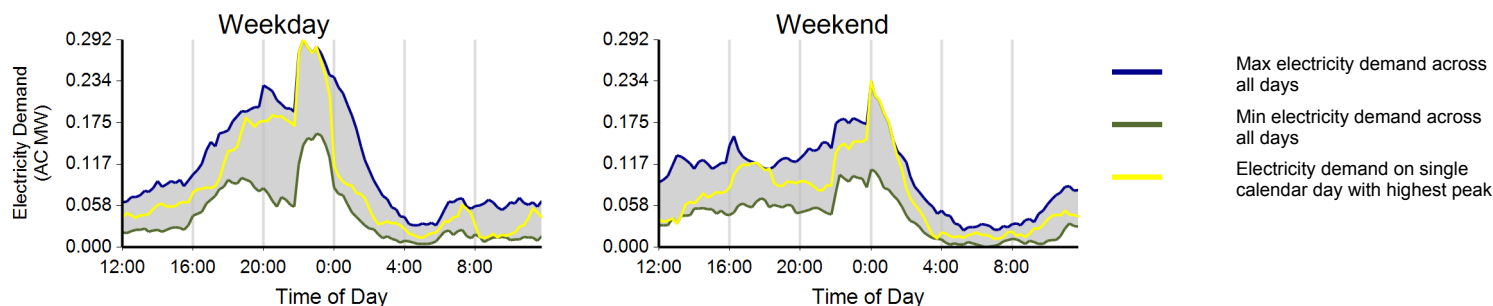
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

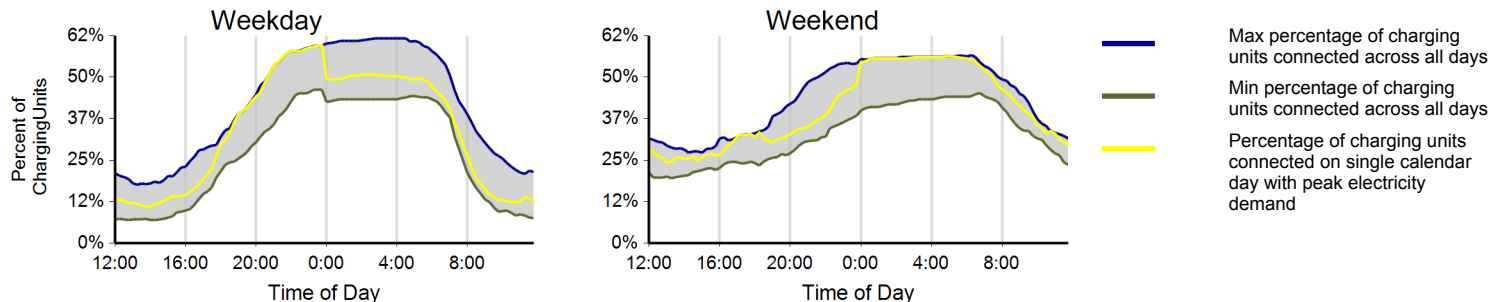
Region: Oregon

Report period: January 2012 through March 2012

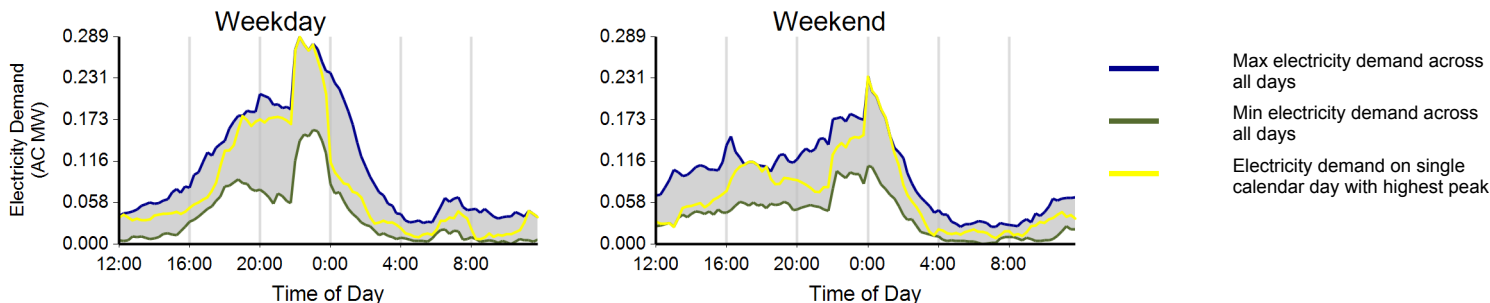
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	13,977	5,070	19,047
Electricity consumed (AC MWh)	115.21	39.07	154.29
Percent of time with a vehicle connected to EVSE	34%	38%	35%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.77	0.70	0.75

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 2012 through March 2012

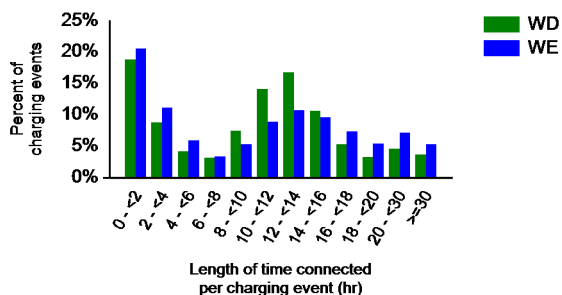
Vehicles Charged

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

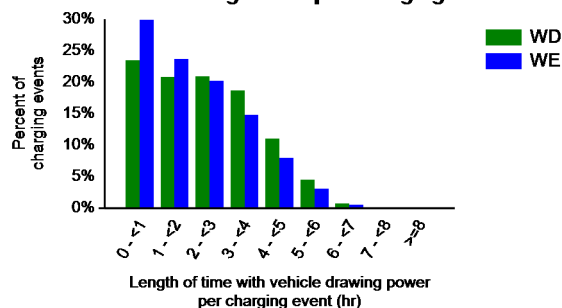
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.4	11.6	11.4
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)	8.4	7.2	8.1

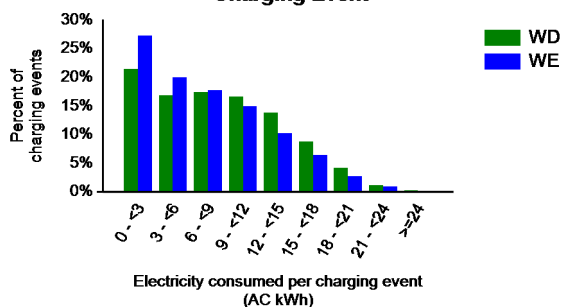
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

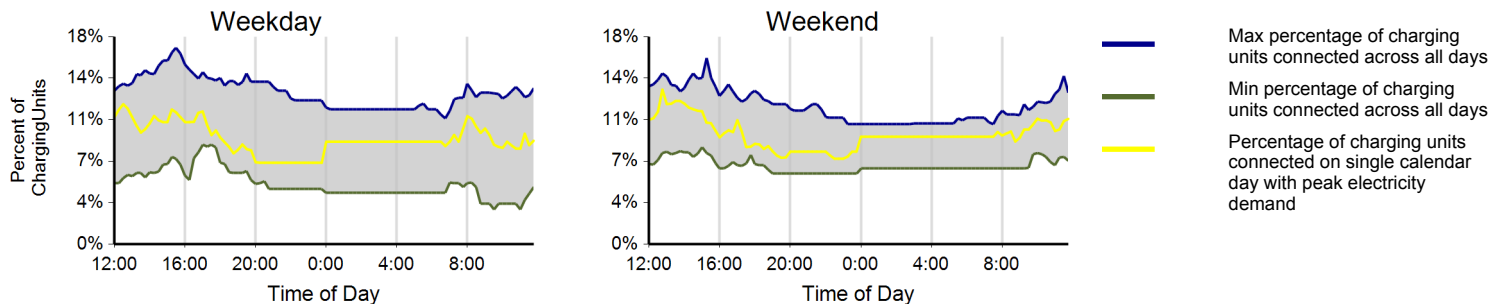
Region: Oregon

Report period: January 2012 through March 2012

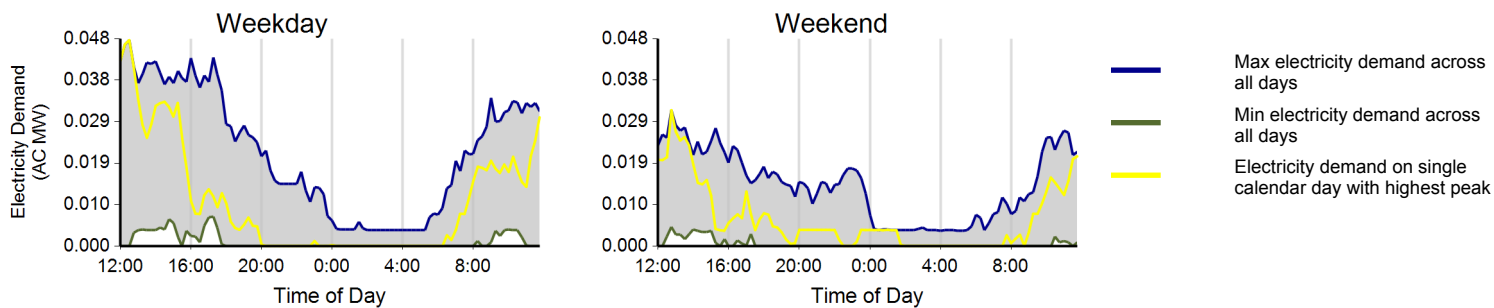
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,342	640	2,982
Electricity consumed (AC MWh)	13.50	2.80	16.30
Percent of time with a vehicle connected to EVSE	9%	9%	9%
Percent of time with a vehicle drawing power from EVSE	2%	1%	1%
Average number of charging events started per EVSE per day	0.25	0.17	0.23

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 2012 through March 2012

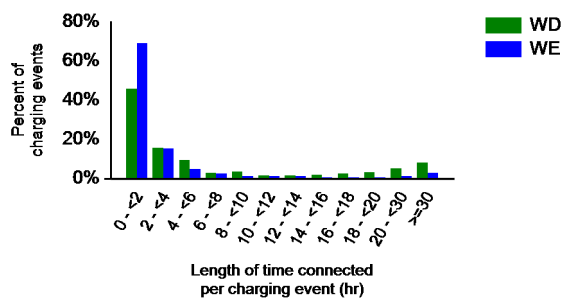
Vehicles Charged

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

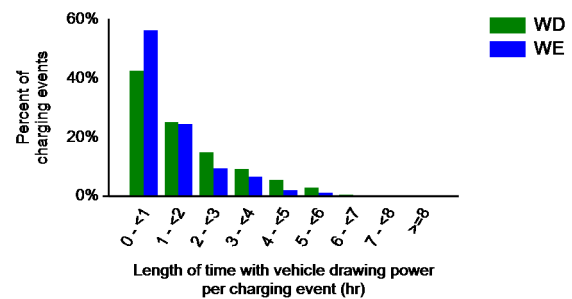
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.7	3.9	10.0
Average length of time with vehicle drawing power per charging event (hr)	1.6	1.2	1.5
Average electricity consumed per charging event (AC kWh)	5.8	4.3	5.5

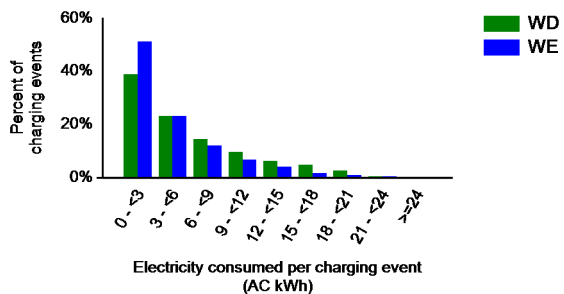
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Chattanooga, TN Metropolitan Area

Report period: January 2012 through March 2012

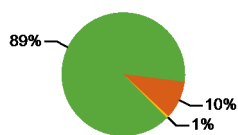
Number of EV Project vehicles in region: 34



Charging Unit Usage

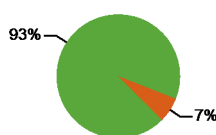
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	33	0	31	4	68
Number of charging events ²	2,431	0	271	15	2,717
Electricity consumed (AC MWh)	20.95	0.00	1.46	0.00	22.42
Percent of time with a vehicle connected to charging unit	38%	0%	1%	0%	20%
Percent of time with a vehicle drawing power from charging unit	8%	0%	1%	0%	4%

Number of Charge Events



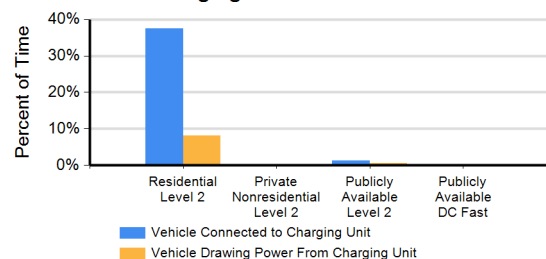
Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

Electricity Consumed

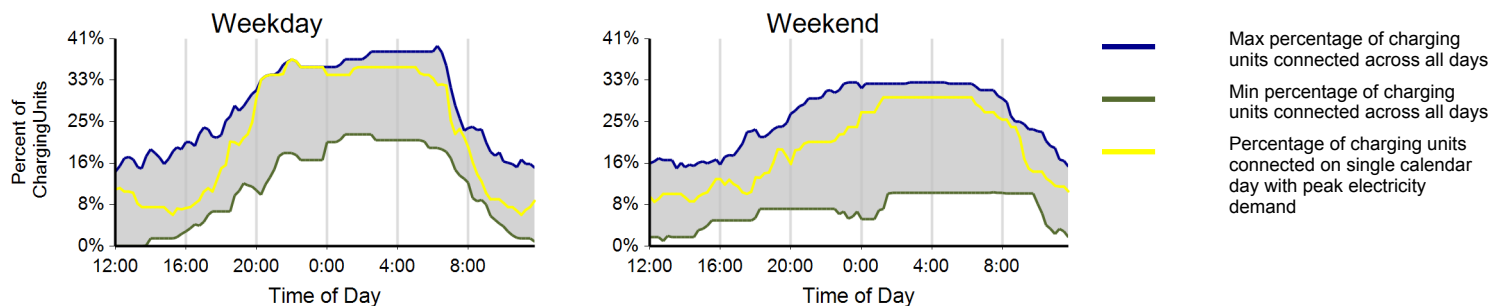


Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

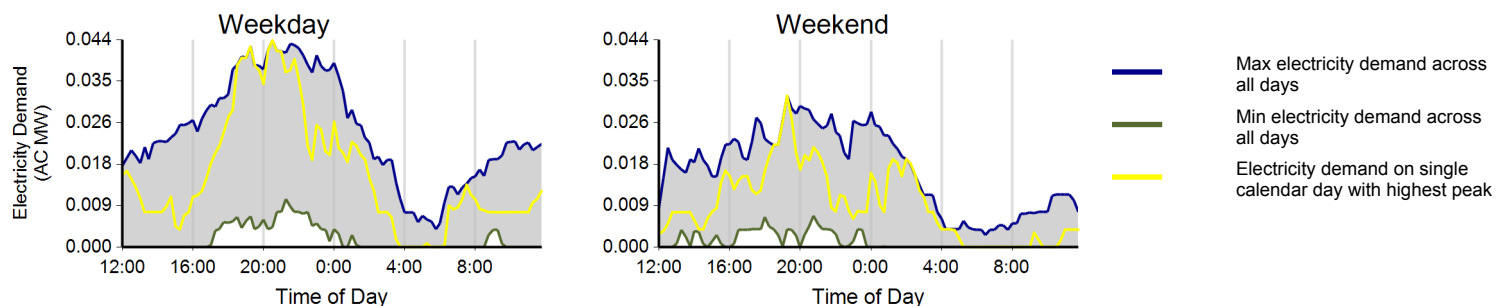
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

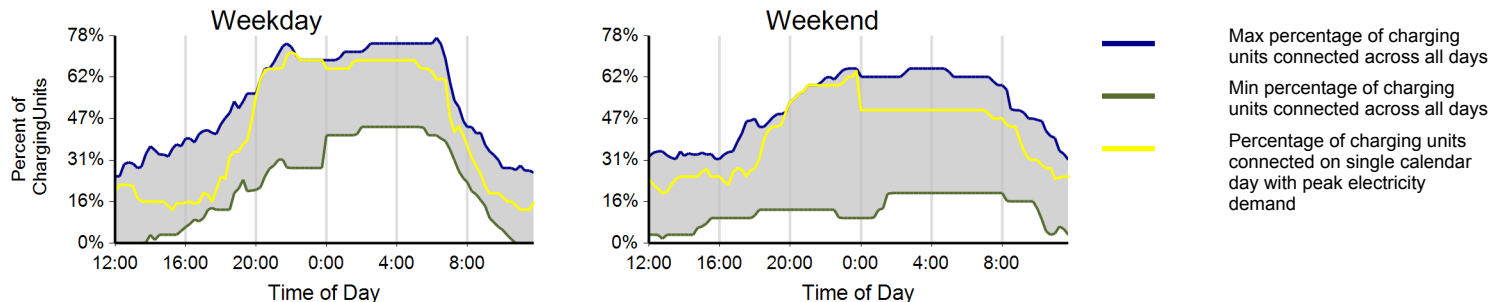
Region: Chattanooga, TN Metropolitan Area

Report period: January 2012 through March 2012

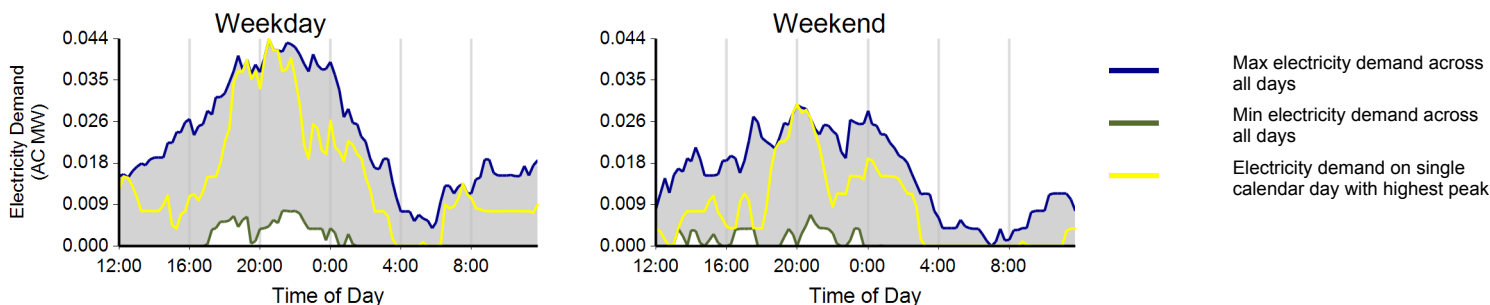
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,885	546	2,431
Electricity consumed (AC MWh)	16.65	4.30	20.95
Percent of time with a vehicle connected to EVSE	38%	36%	38%
Percent of time with a vehicle drawing power from EVSE	9%	6%	8%
Average number of charging events started per EVSE per day	0.90	0.65	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: Chattanooga, TN Metropolitan Area

Report period: January 2012 through March 2012

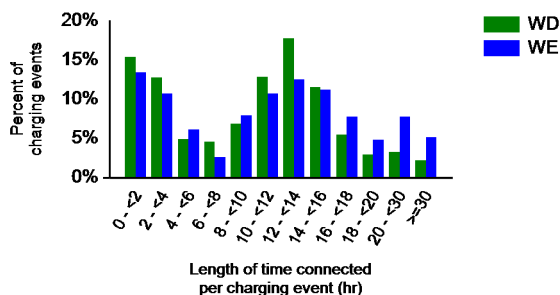
Vehicles Charged

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

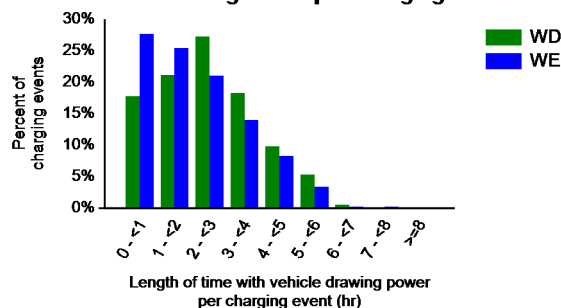
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.5	12.4	10.9
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)	8.9	7.5	8.6

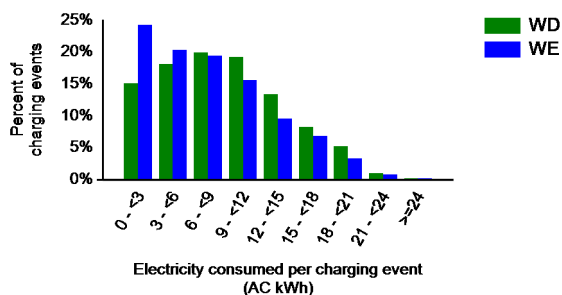
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

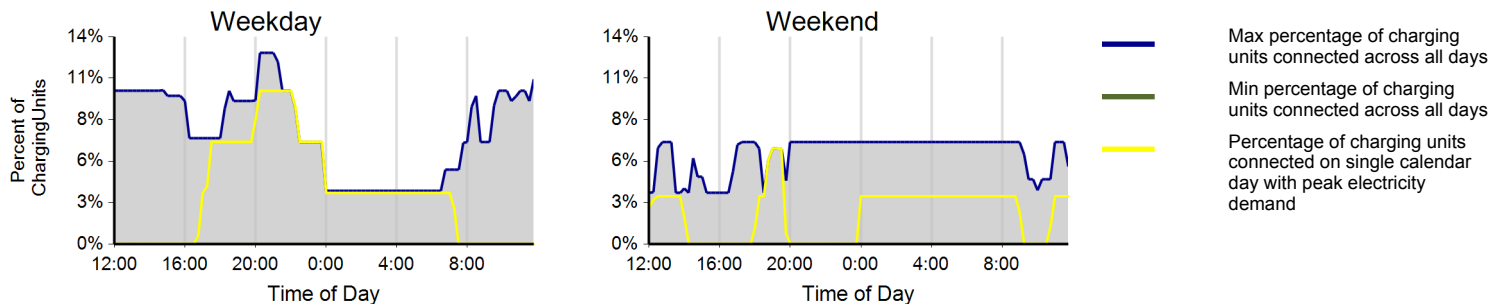
Region: Chattanooga, TN Metropolitan Area

Report period: January 2012 through March 2012

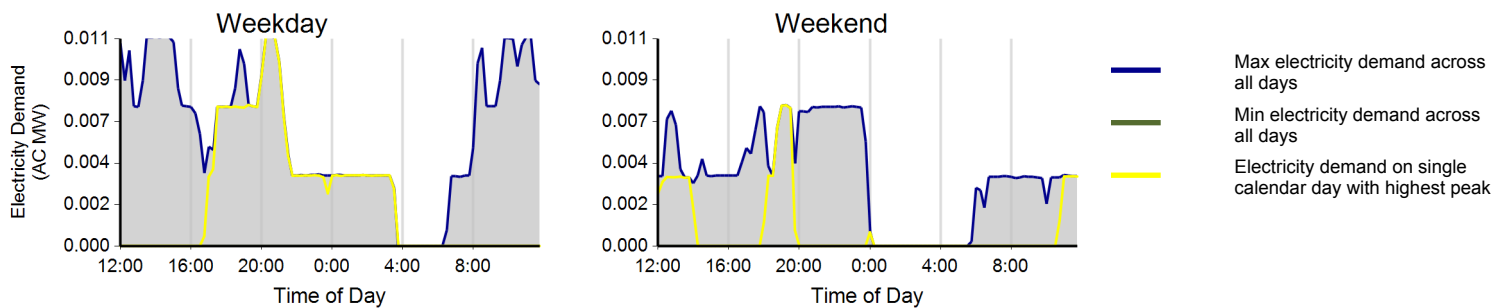
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	191	80	271
Electricity consumed (AC MWh)	1.17	0.29	1.46
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	0.11	0.11	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: Chattanooga, TN Metropolitan Area

Report period: January 2012 through March 2012

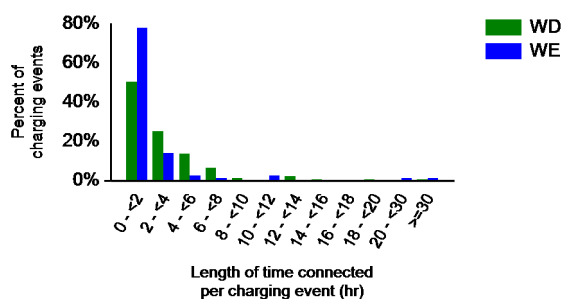
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	38%	6%	56%
Percent of electricity consumed	35%	5%	60%

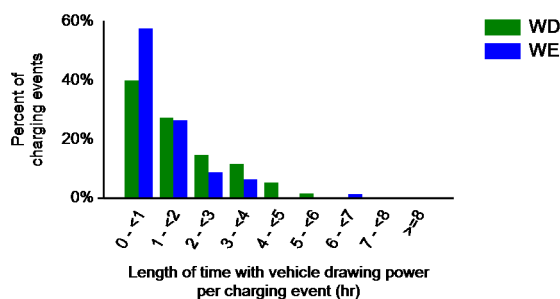
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	3.0	3.2	3.1
Average length of time with vehicle drawing power per charging event (hr)	1.7	1.1	1.5
Average electricity consumed per charging event (AC kWh)	6.1	3.8	5.4

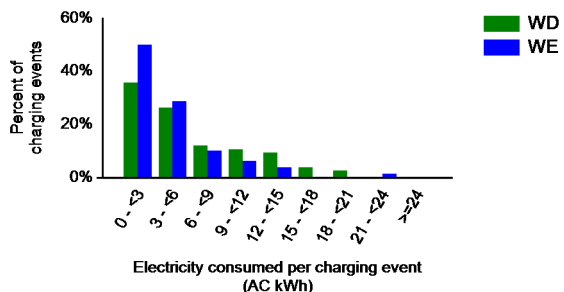
Distribution of Length of Time with a Vehicle Connected per Charging Event



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: Knoxville, TN Metropolitan Area

Report period: January 2012 through March 2012

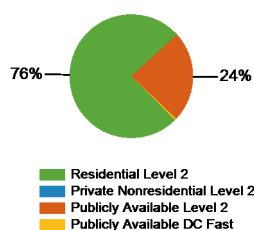
Number of EV Project vehicles in region: 64



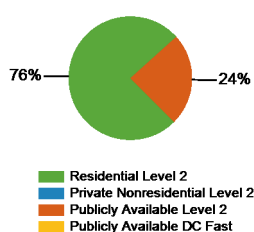
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	66	0	80	2	148
Number of charging events ²	3,616	0	1,139	20	4,775
Electricity consumed (AC MWh)	30.56	0.00	9.74	0.00	40.31
Percent of time with a vehicle connected to charging unit	31%	0%	5%	0%	18%
Percent of time with a vehicle drawing power from charging unit	6%	0%	2%	0%	4%

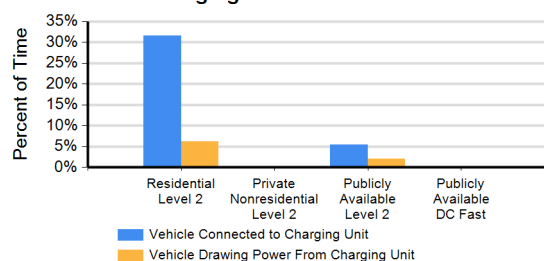
Number of Charge Events



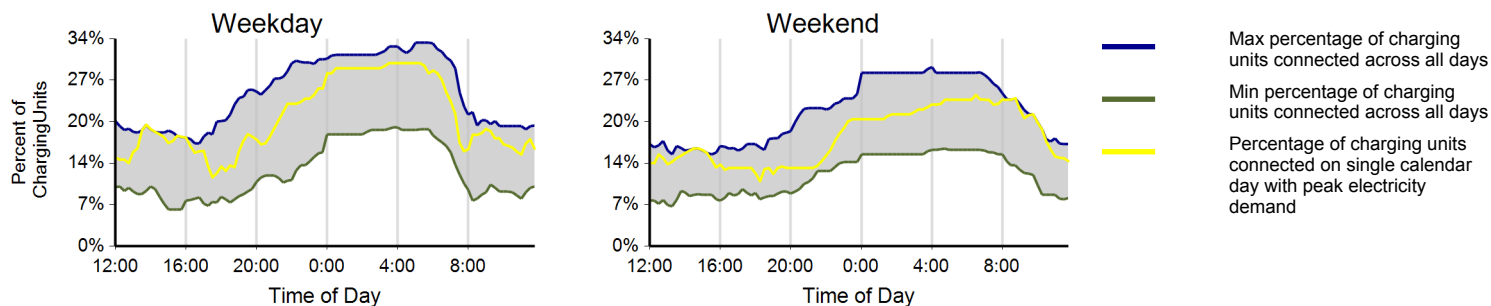
Electricity Consumed



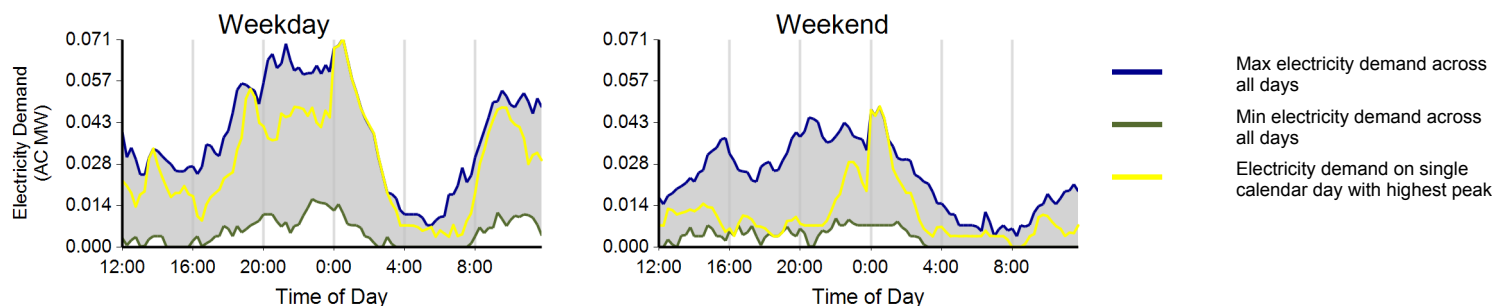
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

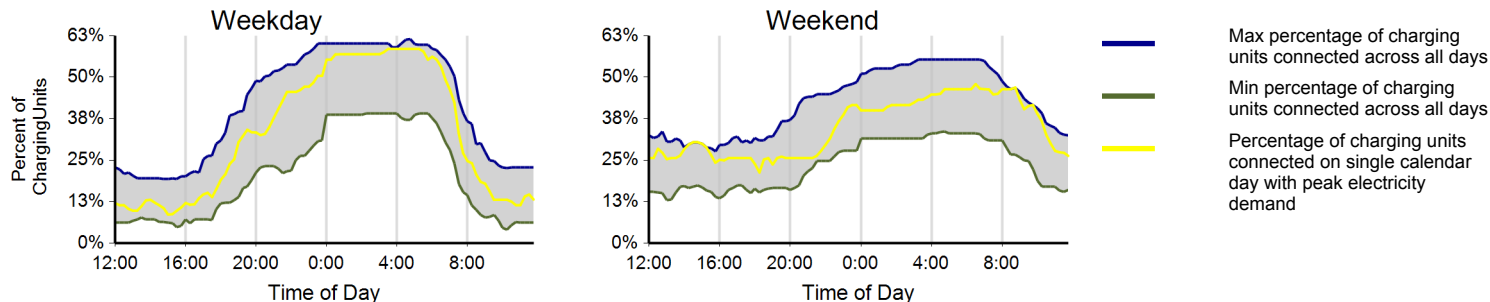
Region: Knoxville, TN Metropolitan Area

Report period: January 2012 through March 2012

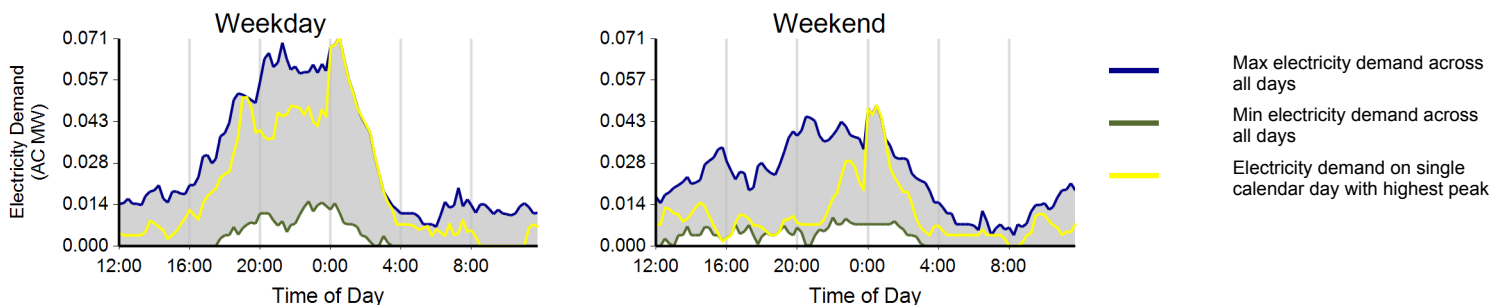
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,674	942	3,616
Electricity consumed (AC MWh)	23.14	7.42	30.56
Percent of time with a vehicle connected to EVSE	31%	33%	31%
Percent of time with a vehicle drawing power from EVSE	7%	5%	6%
Average number of charging events started per EVSE per day	0.67	0.59	0.65

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 2012 through March 2012

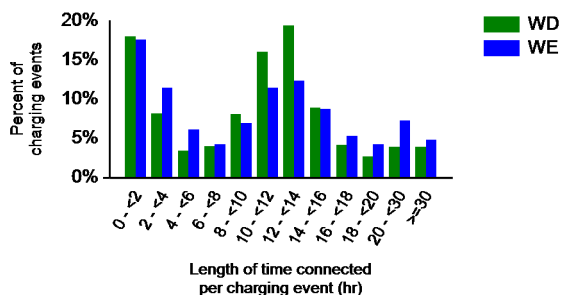
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	99%	1%	0%
Percent of electricity consumed	99%	1%	0%

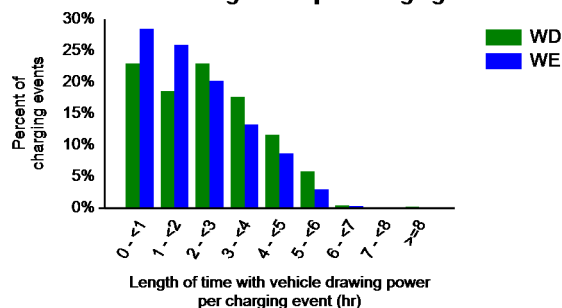
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.8	11.8	11.8
Average length of time with vehicle drawing power per charging event (hr)	2.4	2.1	2.3
Average electricity consumed per charging event (AC kWh)	8.8	7.4	8.5

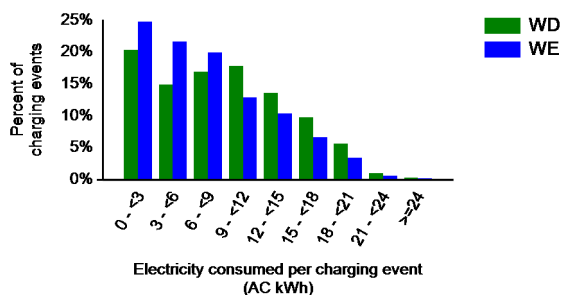
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

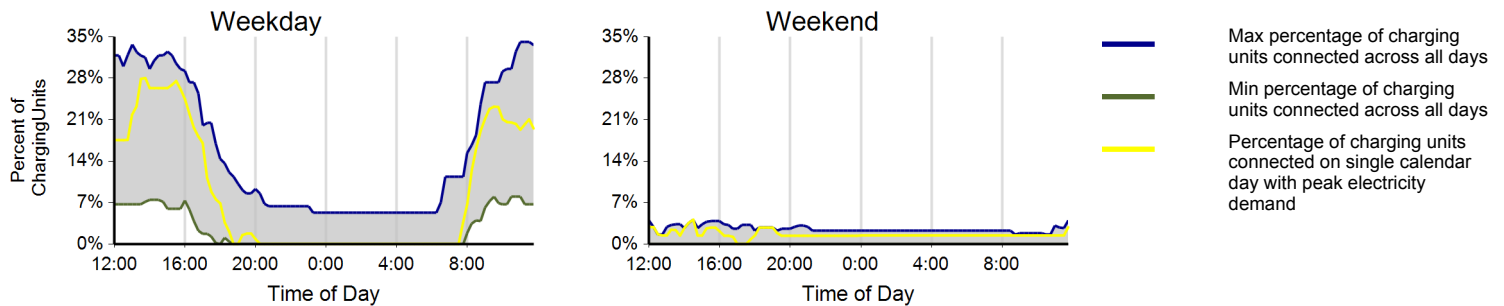
Region: Knoxville, TN Metropolitan Area

Report period: January 2012 through March 2012

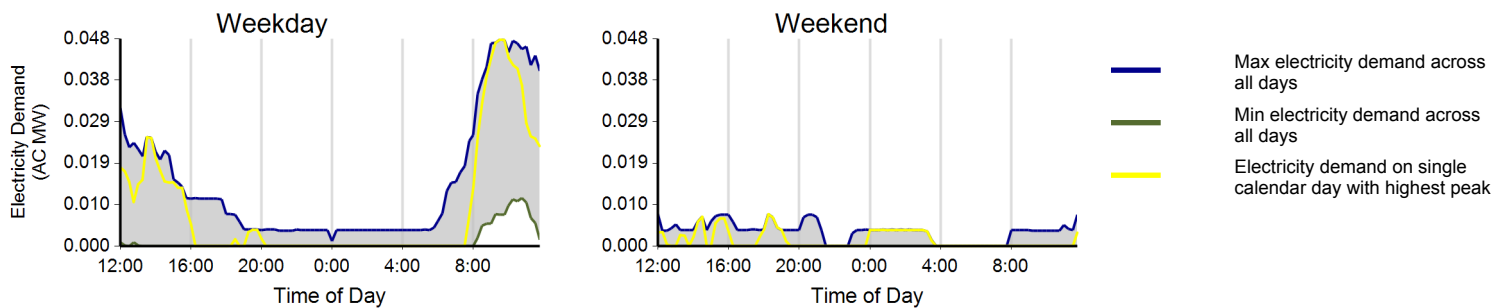
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,063	76	1,139
Electricity consumed (AC MWh)	9.37	0.37	9.74
Percent of time with a vehicle connected to EVSE	7%	1%	5%
Percent of time with a vehicle drawing power from EVSE	3%	0%	2%
Average number of charging events started per EVSE per day	0.27	0.05	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: Knoxville, TN Metropolitan Area

Report period: January 2012 through March 2012

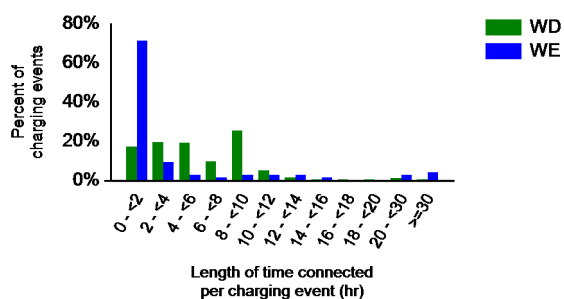
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	51%	0%	48%
Percent of electricity consumed	53%	0%	47%

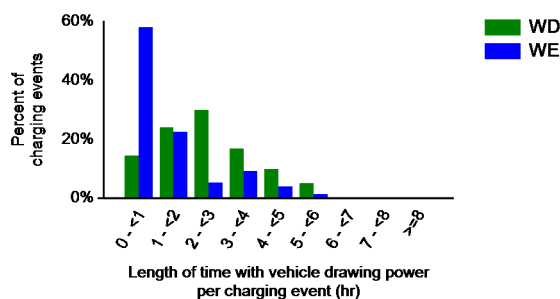
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.1	7.0	6.2
Average length of time with vehicle drawing power per charging event (hr)	2.5	1.3	2.4
Average electricity consumed per charging event (AC kWh)	8.8	4.7	8.6

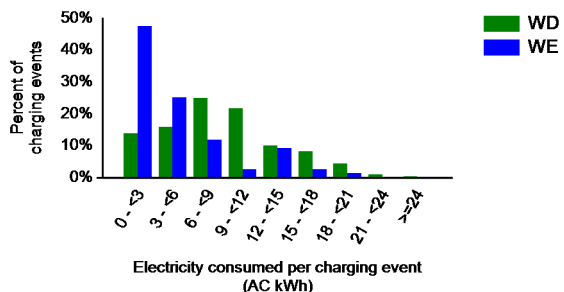
Distribution of Length of Time with a Vehicle Connected per Charging Event



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: Memphis, TN Metropolitan Area

Report period: January 2012 through March 2012

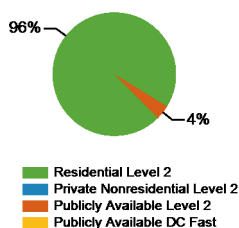
Number of EV Project vehicles in region: 19



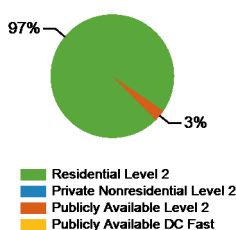
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	19	0	11	0	30
Number of charging events ²	1,207	0	47	0	1,254
Electricity consumed (AC MWh)	10.04	0.00	0.31	0.00	10.34
Percent of time with a vehicle connected to charging unit	35%	0%	1%	0%	24%
Percent of time with a vehicle drawing power from charging unit	7%	0%	0%	0%	5%

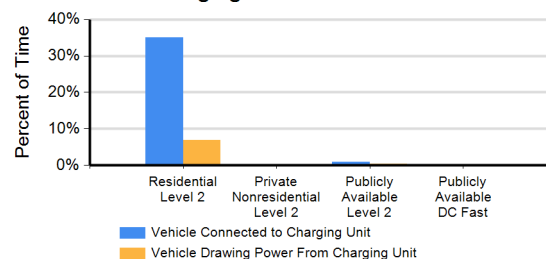
Number of Charge Events



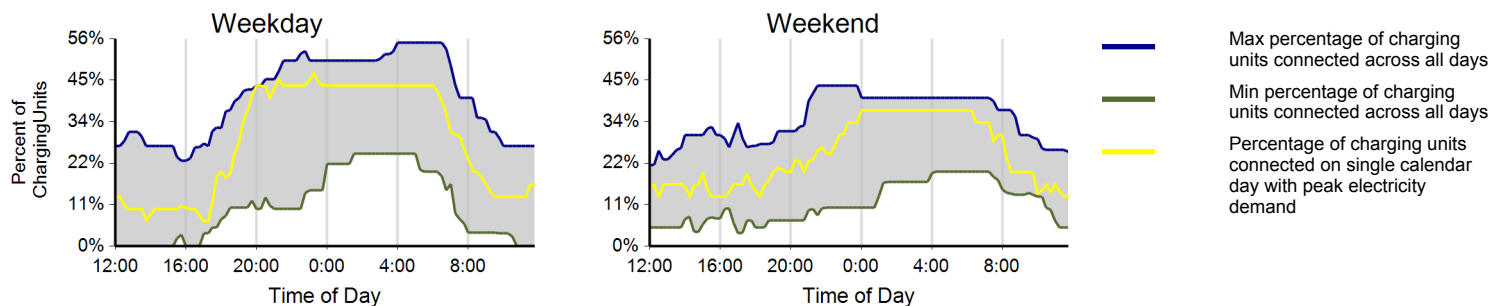
Electricity Consumed



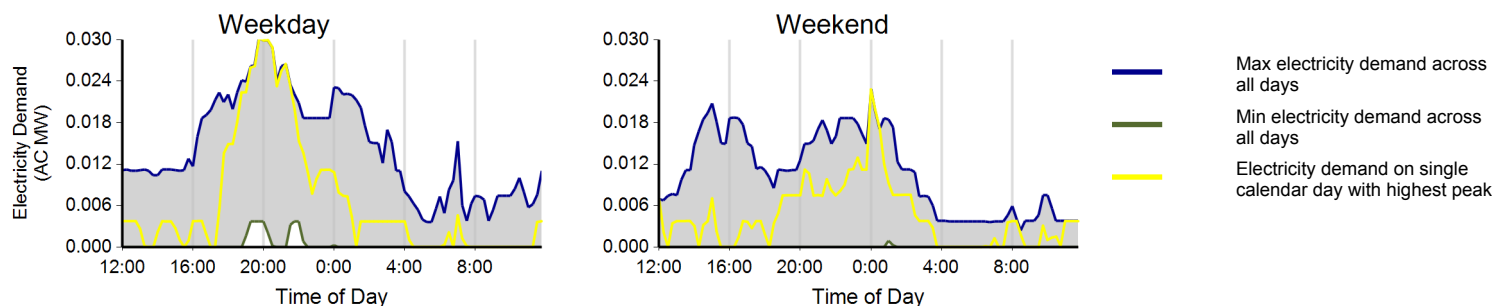
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

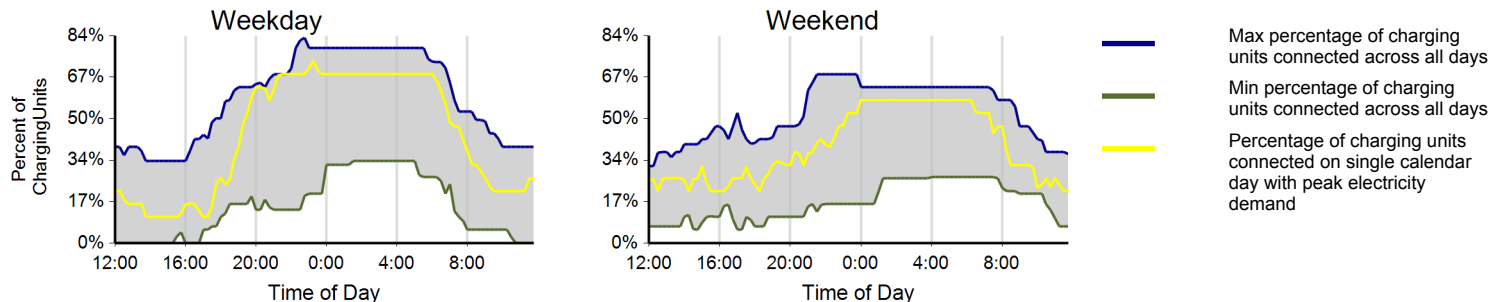
Region: Memphis, TN Metropolitan Area

Report period: January 2012 through March 2012

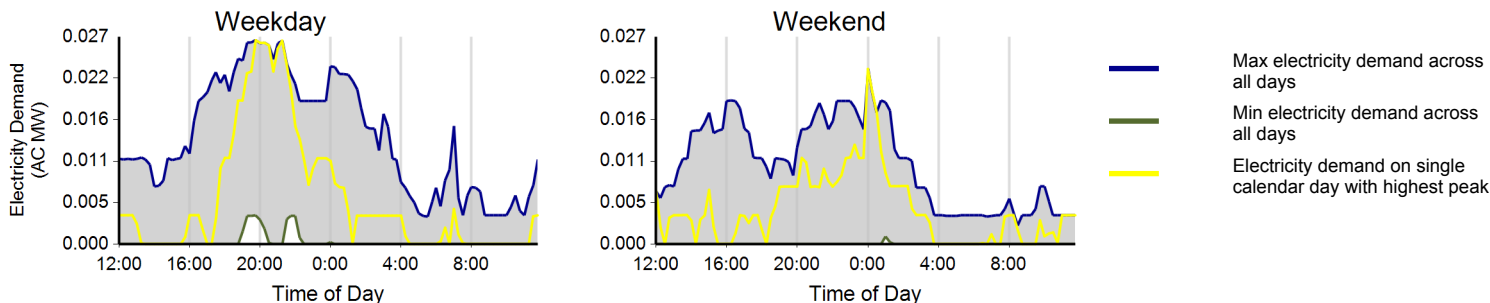
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	872	335	1,207
Electricity consumed (AC MWh)	7.68	2.36	10.04
Percent of time with a vehicle connected to EVSE	36%	34%	35%
Percent of time with a vehicle drawing power from EVSE	8%	6%	7%
Average number of charging events started per EVSE per day	0.74	0.71	0.73

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 2012 through March 2012

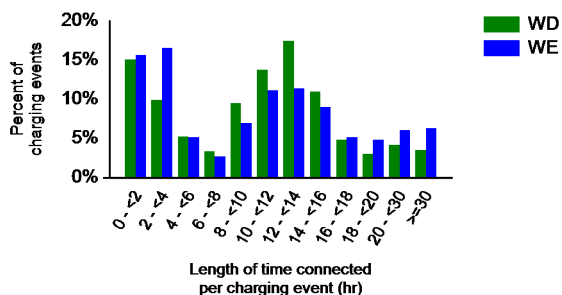
Vehicles Charged

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

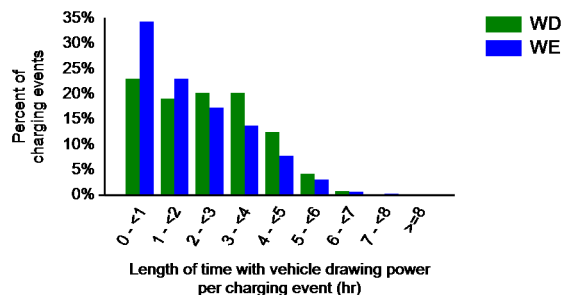
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.4	12.2	11.6
Average length of time with vehicle drawing power per charging event (hr)	2.4	1.9	2.3
Average electricity consumed per charging event (AC kWh)	8.9	6.9	8.3

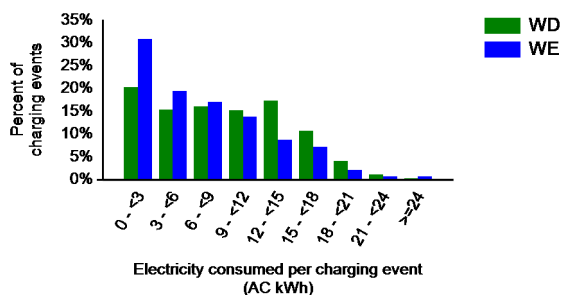
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



Publicly Available Level 2 Electric Vehicle Supply Equipment (EVSE)

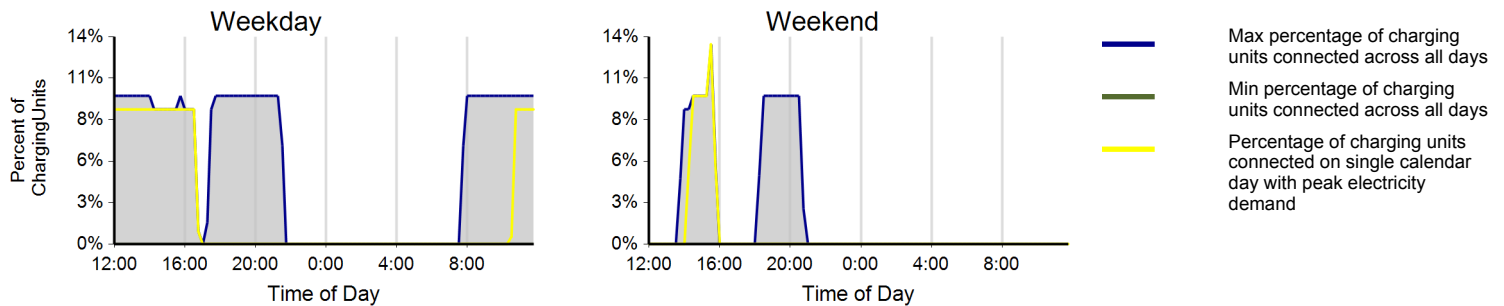
Region: Memphis, TN Metropolitan Area

Report period: January 2012 through March 2012

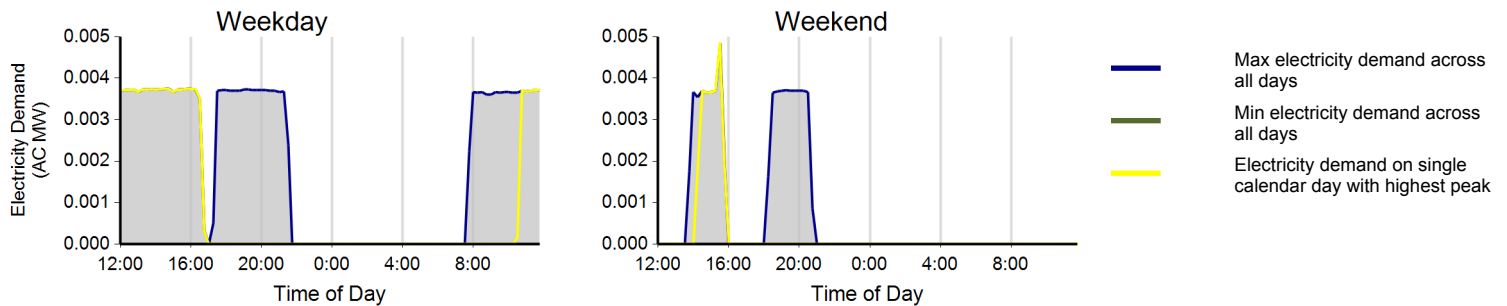
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	35	12	47
Electricity consumed (AC MWh)	0.26	0.05	0.31
Percent of time with a vehicle connected to EVSE	1%	1%	1%
Percent of time with a vehicle drawing power from EVSE	1%	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: Memphis, TN Metropolitan Area

Report period: January 2012 through March 2012

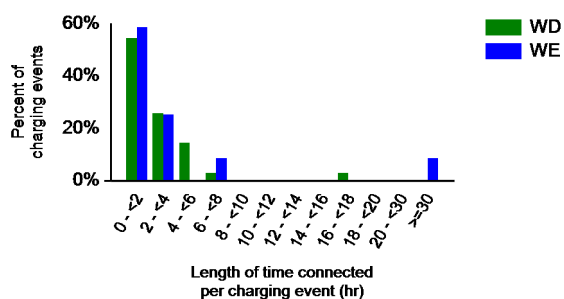
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	9%	0%	91%
Percent of electricity consumed	9%	0%	91%

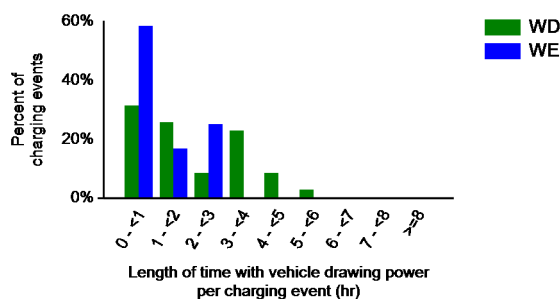
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	2.7	7.5	3.9
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.2	1.8
Average electricity consumed per charging event (AC kWh)	7.3	4.2	6.5

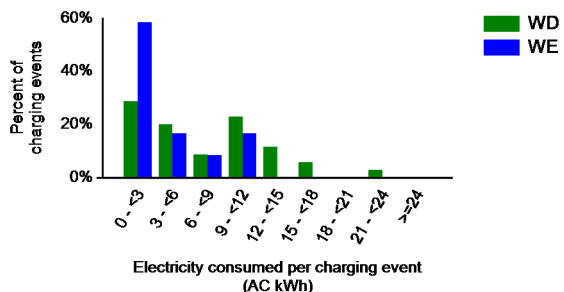
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Nashville, TN Metropolitan Area

Report period: January 2012 through March 2012

Number of EV Project vehicles in region: 258



Charging Unit Usage

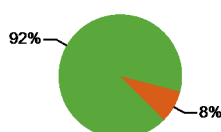
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	260	0	99	3	362
Number of charging events ²	16,532	0	1,791	16	18,339
Electricity consumed (AC MWh)	139.41	0.00	12.87	0.00	152.28
Percent of time with a vehicle connected to charging unit	33%	0%	6%	0%	26%
Percent of time with a vehicle drawing power from charging unit	7%	0%	2%	0%	6%

Number of Charge Events



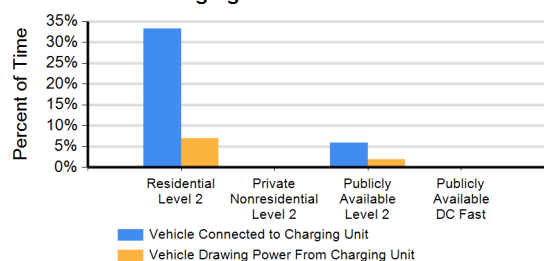
Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

Electricity Consumed

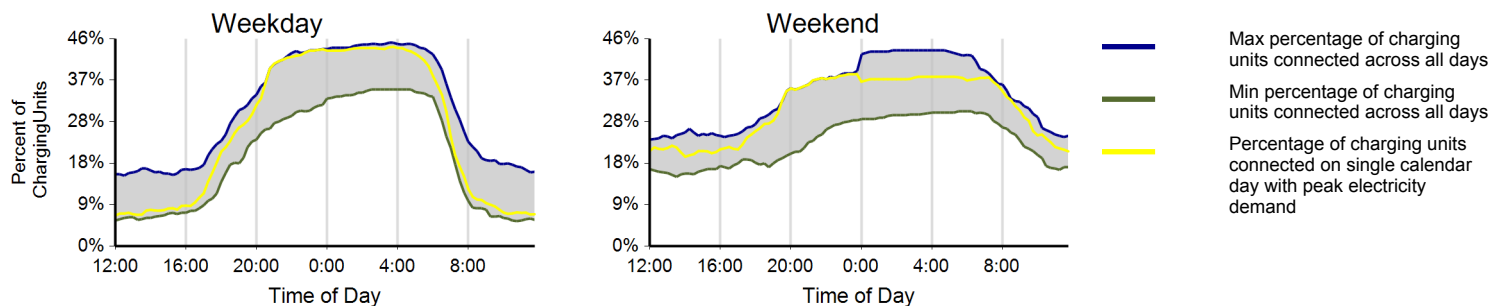


Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

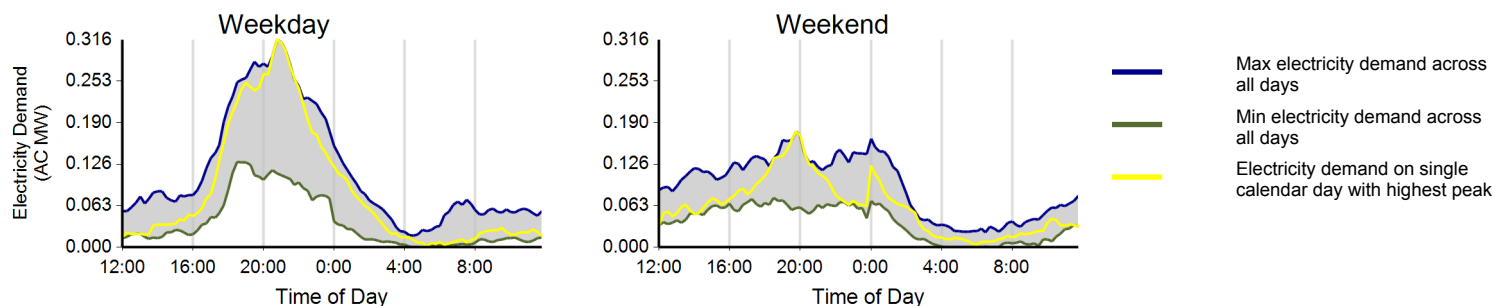
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

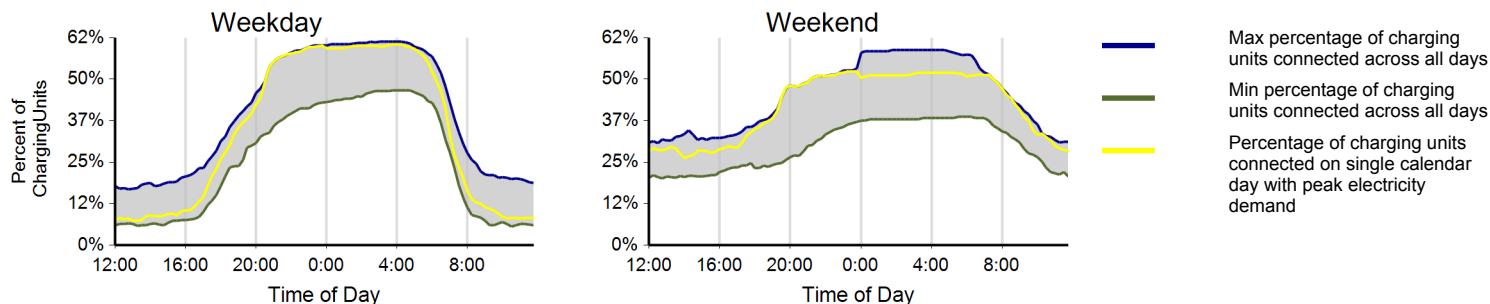
Region: Nashville, TN Metropolitan Area

Report period: January 2012 through March 2012

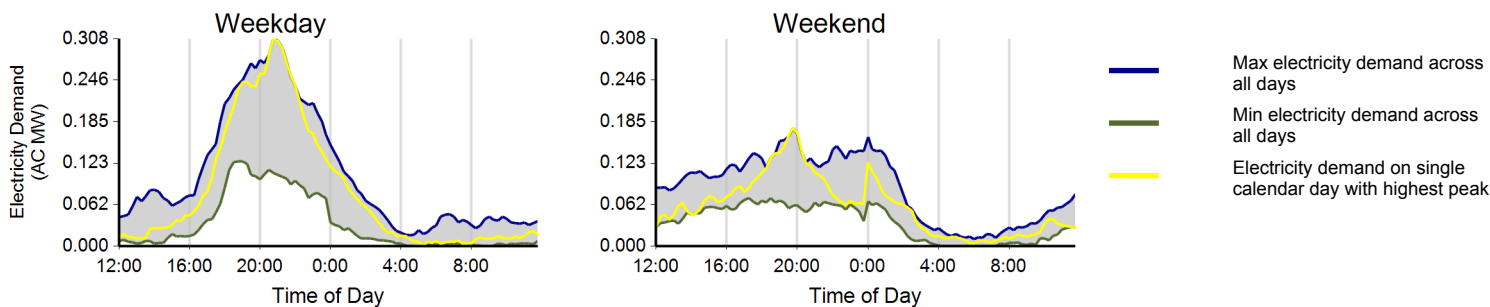
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	11,913	4,619	16,532
Electricity consumed (AC MWh)	104.63	34.77	139.40
Percent of time with a vehicle connected to EVSE	32%	37%	33%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.72	0.70	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: Nashville, TN Metropolitan Area

Report period: January 2012 through March 2012

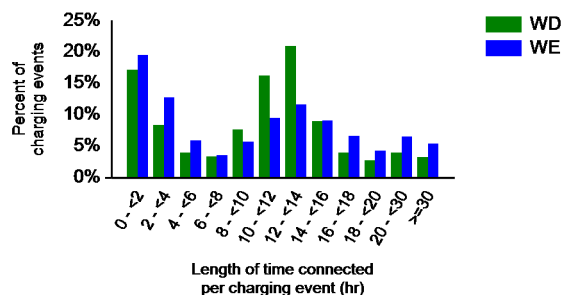
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	99%	1%	0%
Percent of electricity consumed	99%	1%	0%

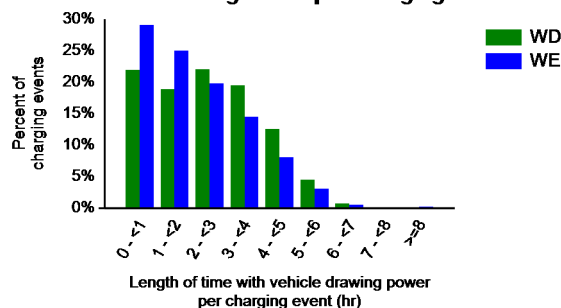
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.2	11.5	11.3
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)	8.9	7.3	8.4

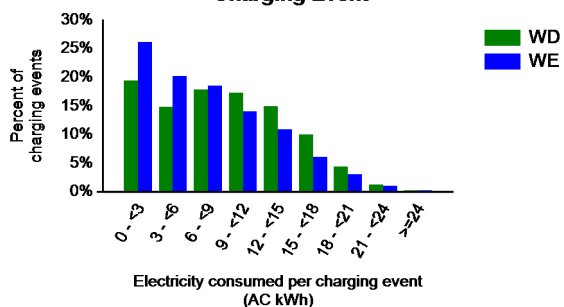
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

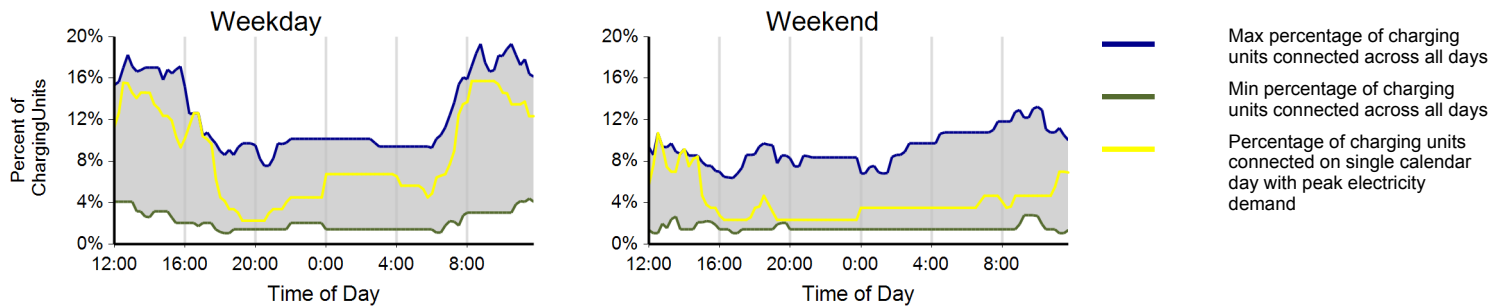
Region: Nashville, TN Metropolitan Area

Report period: January 2012 through March 2012

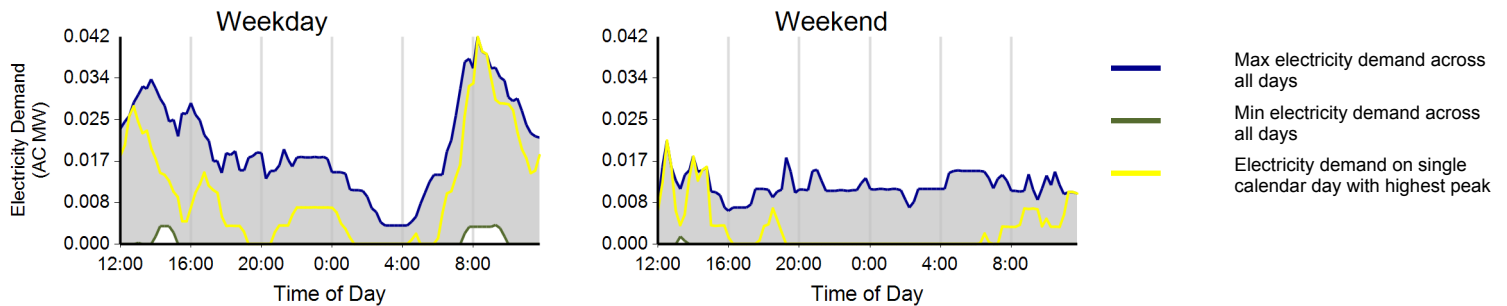
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,465	326	1,791
Electricity consumed (AC MWh)	11.00	1.87	12.87
Percent of time with a vehicle connected to EVSE	7%	4%	6%
Percent of time with a vehicle drawing power from EVSE	2%	1%	2%
Average number of charging events started per EVSE per day	0.26	0.14	0.22

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 2012 through March 2012

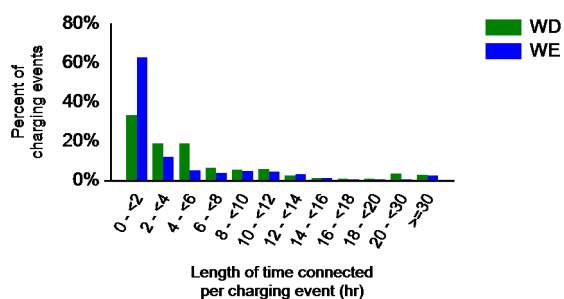
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	29%	1%	70%
Percent of electricity consumed	27%	0%	73%

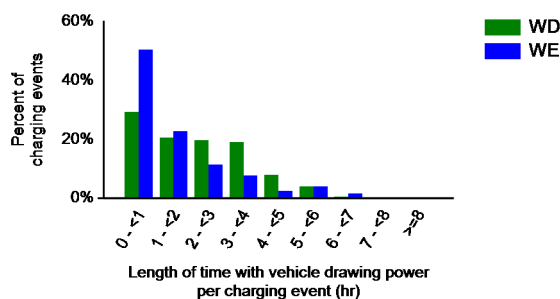
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	6.9	4.0	6.4
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.6	2.0
Average electricity consumed per charging event (AC kWh)	7.5	5.6	7.2

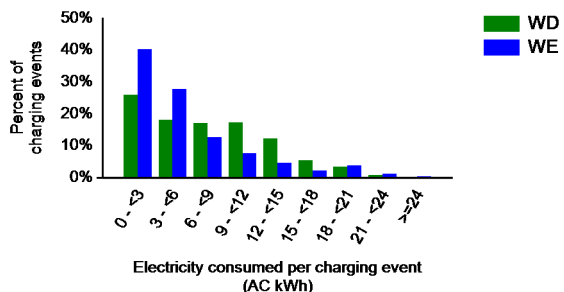
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2012 through March 2012

Number of EV Project vehicles in region: 58



Charging Unit Usage

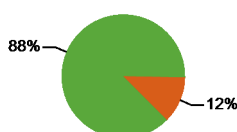
	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	58	0	66	0	124
Number of charging events ²	4,681	0	655	0	5,336
Electricity consumed (AC MWh)	25.70	0.00	3.57	0.00	29.27
Percent of time with a vehicle connected to charging unit	46%	0%	4%	0%	24%
Percent of time with a vehicle drawing power from charging unit	8%	0%	1%	0%	4%

Number of Charge Events



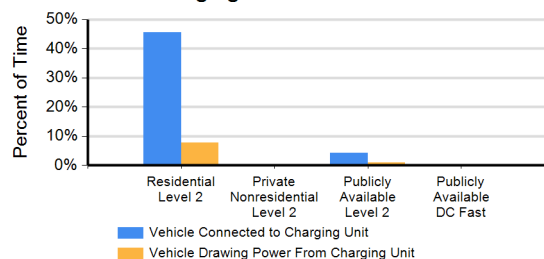
Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

Electricity Consumed

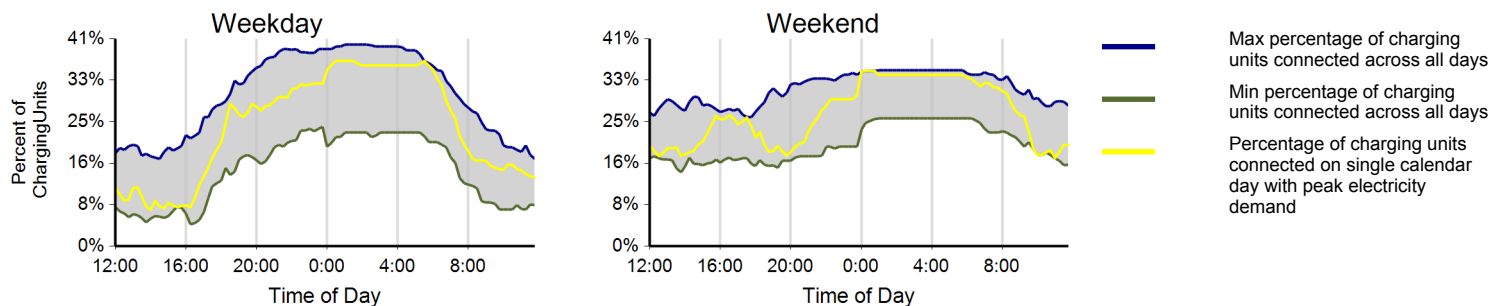


Residential Level 2
Private Nonresidential Level 2
Publicly Available Level 2
Publicly Available DC Fast

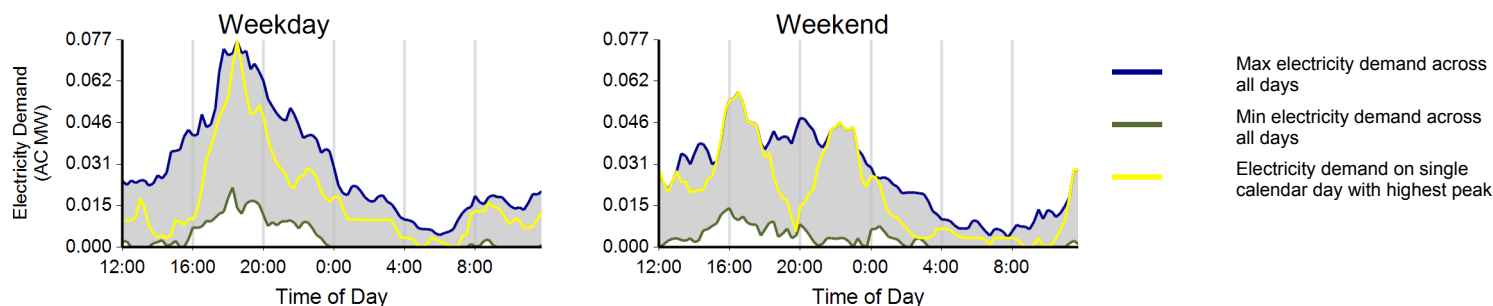
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

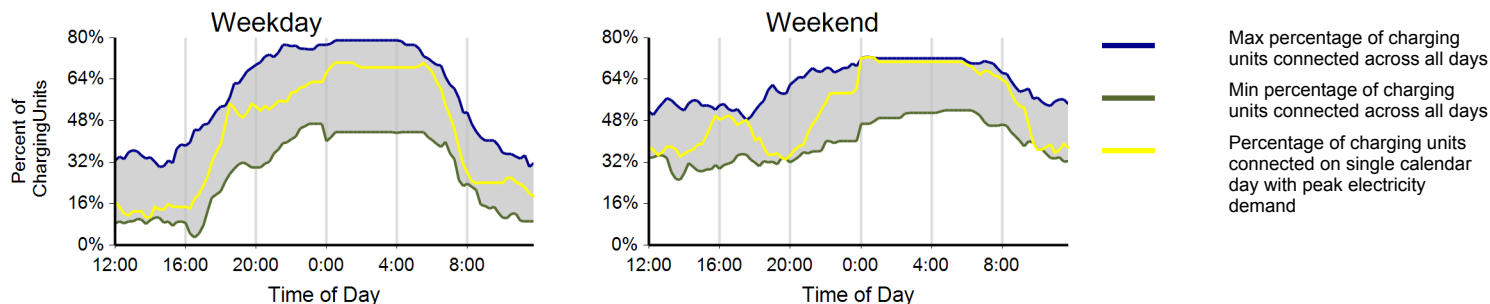
Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

Region: Dallas/Ft. Worth, TX Metropolitan Area
Report period: January 2012 through March 2012

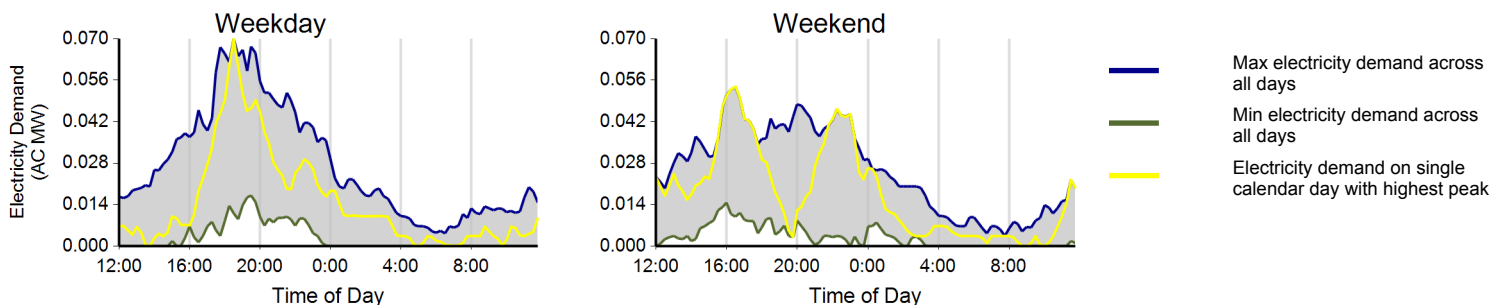
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	3,359	1,322	4,681
Electricity consumed (AC MWh)	18.73	6.97	25.70
Percent of time with a vehicle connected to EVSE	44%	51%	46%
Percent of time with a vehicle drawing power from EVSE	8%	7%	8%
Average number of charging events started per EVSE per day	1.07	1.06	1.07

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 2012 through March 2012

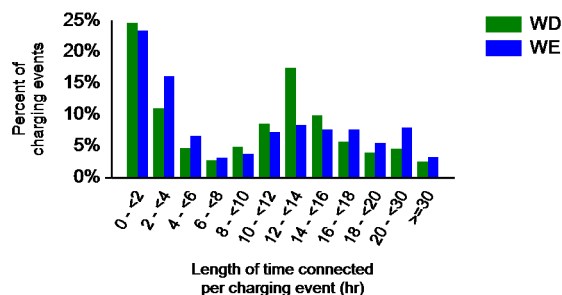
Vehicles Charged

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

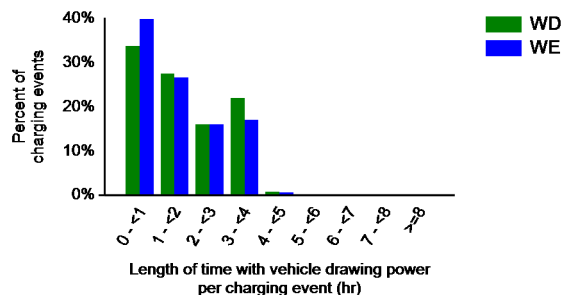
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.4	10.2	10.3
Average length of time with vehicle drawing power per charging event (hr)	1.8	1.6	1.7
Average electricity consumed per charging event (AC kWh)	5.7	5.1	5.5

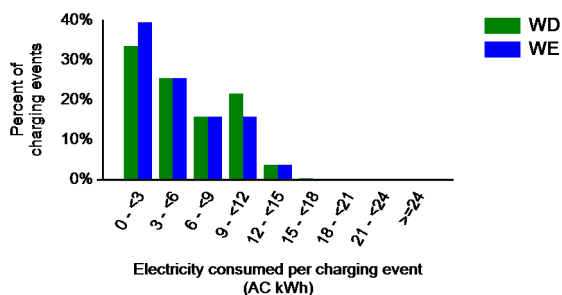
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

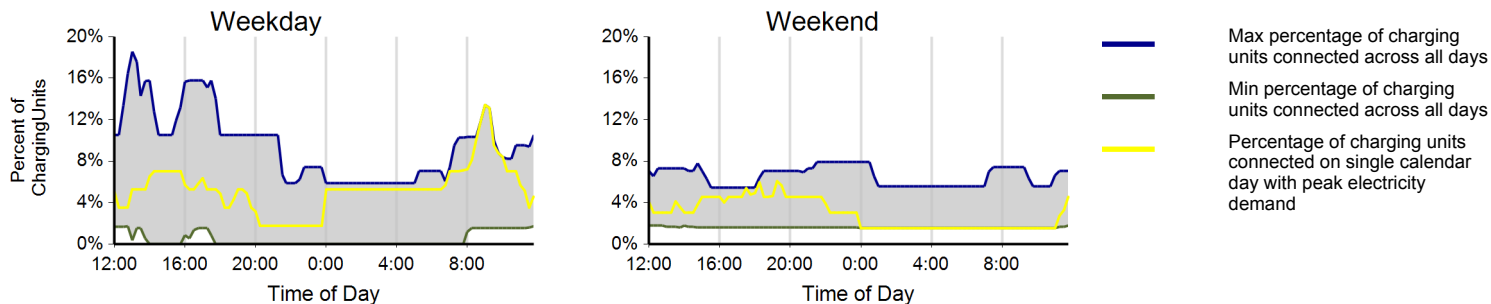
Region: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2012 through March 2012

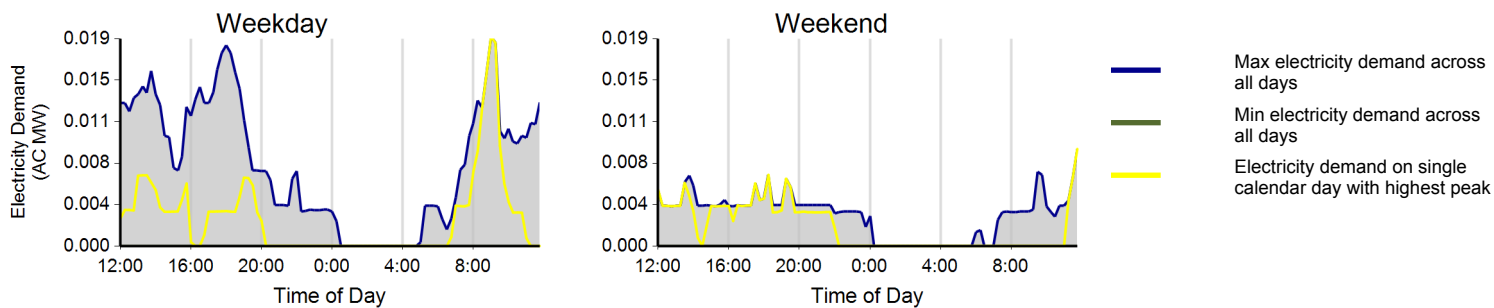
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	576	79	655
Electricity consumed (AC MWh)	3.24	0.32	3.56
Percent of time with a vehicle connected to EVSE	4%	4%	4%
Percent of time with a vehicle drawing power from EVSE	1%	0%	1%
Average number of charging events started per EVSE per day	0.17	0.06	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: Dallas/Ft. Worth, TX Metropolitan Area

Report period: January 2012 through March 2012

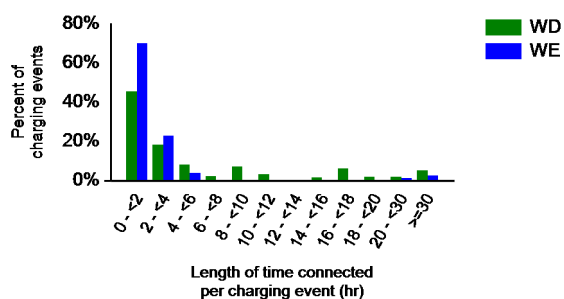
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	16%	84%
Percent of electricity consumed	0%	14%	86%

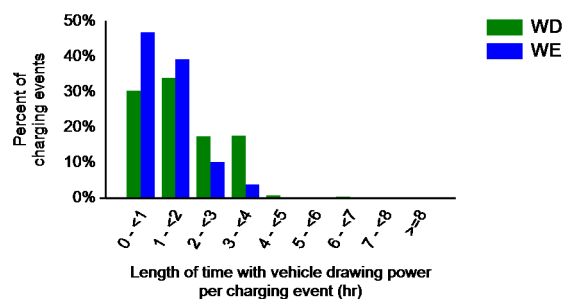
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	8.5	3.2	7.9
Average length of time with vehicle drawing power per charging event (hr)	1.7	1.2	1.7
Average electricity consumed per charging event (AC kWh)	5.6	4.0	5.4

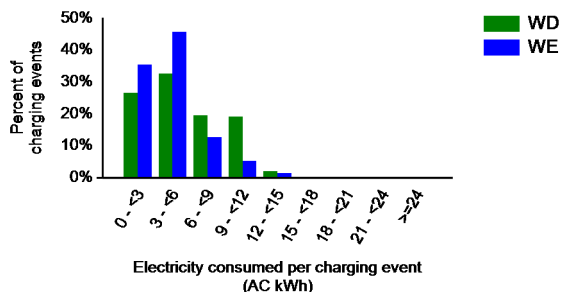
Distribution of Length of Time with a Vehicle Connected per Charging Event



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: Houston, TX Metropolitan Area

Report period: January 2012 through March 2012

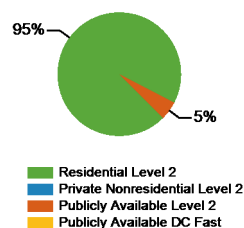
Number of EV Project vehicles in region: 46



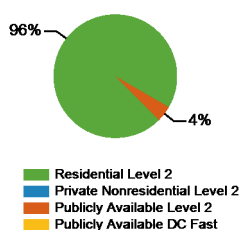
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	47	0	28	0	75
Number of charging events ²	3,687	0	190	0	3,877
Electricity consumed (AC MWh)	22.55	0.00	0.98	0.00	23.53
Percent of time with a vehicle connected to charging unit	41%	0%	2%	0%	29%
Percent of time with a vehicle drawing power from charging unit	8%	0%	1%	0%	5%

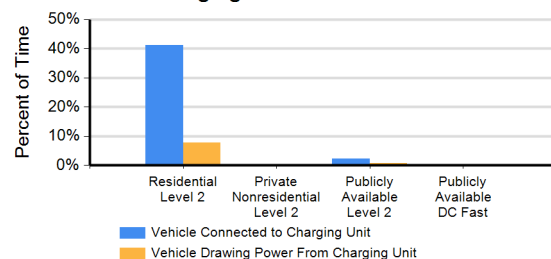
Number of Charge Events



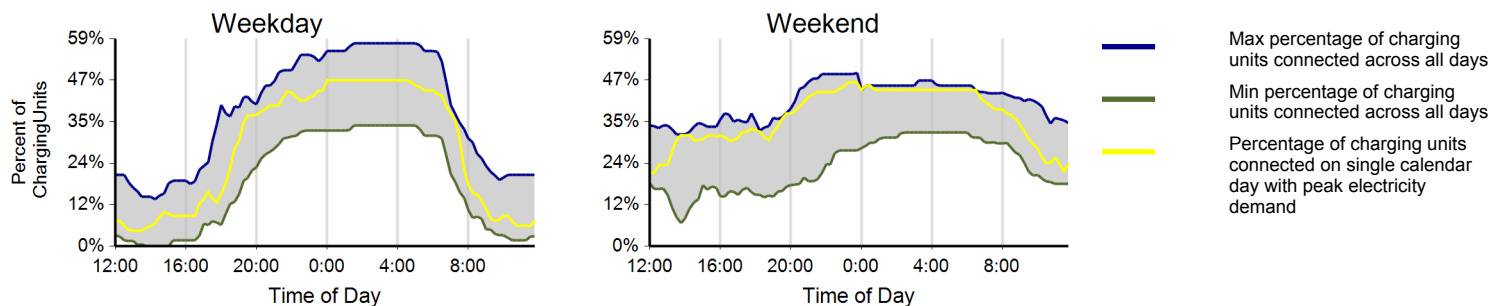
Electricity Consumed



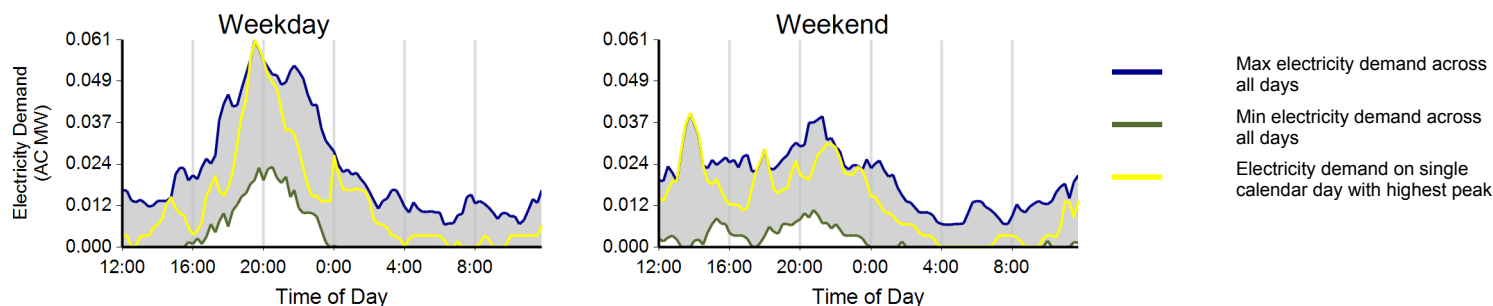
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

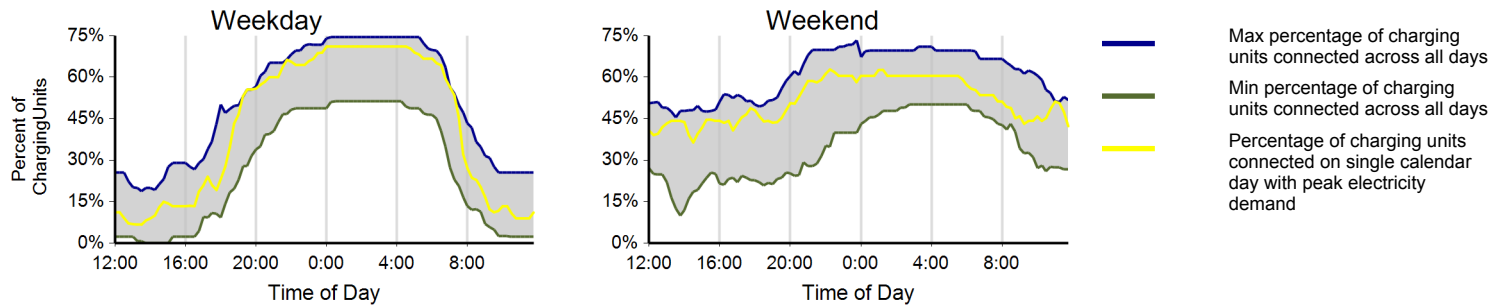
Region: Houston, TX Metropolitan Area

Report period: January 2012 through March 2012

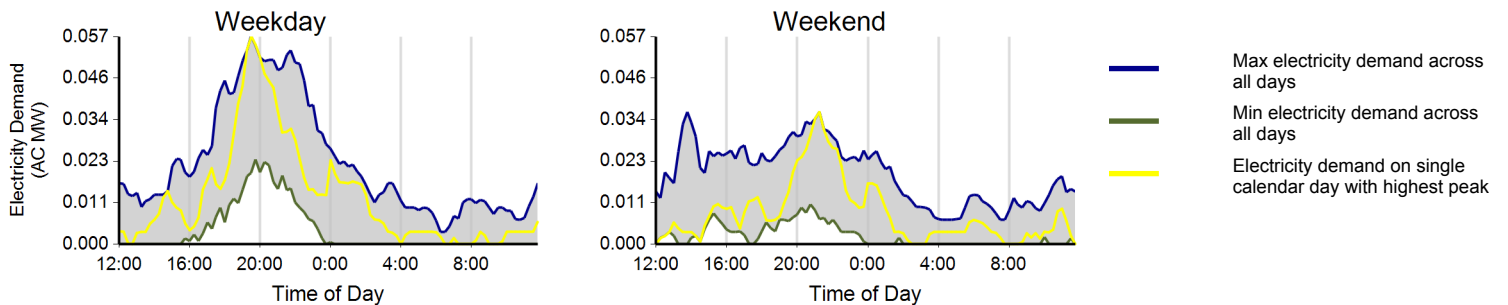
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	2,611	1,076	3,687
Electricity consumed (AC MWh)	17.06	5.49	22.55
Percent of time with a vehicle connected to EVSE	38%	48%	41%
Percent of time with a vehicle drawing power from EVSE	8%	7%	8%
Average number of charging events started per EVSE per day	0.95	0.98	0.96

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 2012 through March 2012

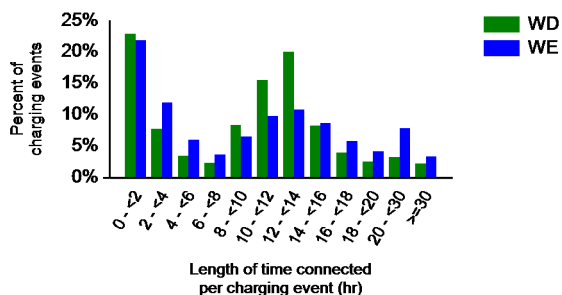
Vehicles Charged

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

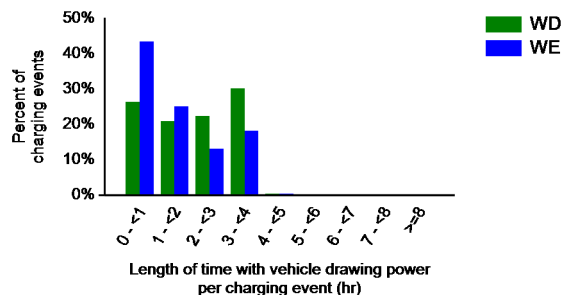
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.4	10.5	10.5
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.6	1.9
Average electricity consumed per charging event (AC kWh)	6.6	4.9	6.1

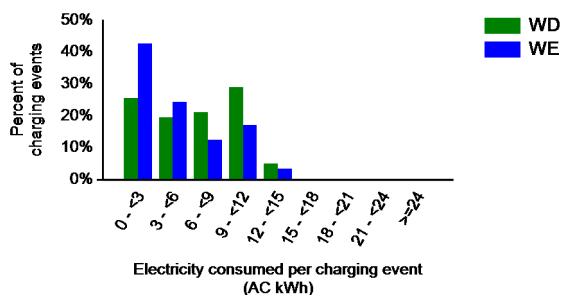
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

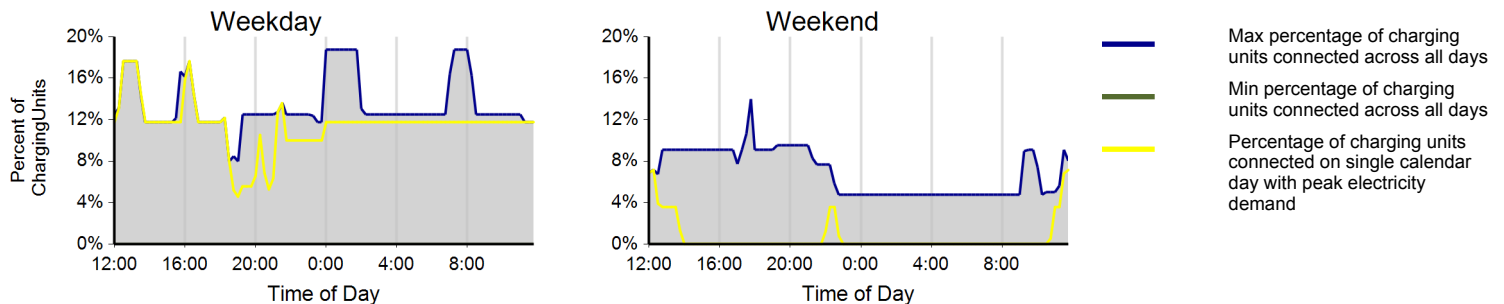
Region: Houston, TX Metropolitan Area

Report period: January 2012 through March 2012

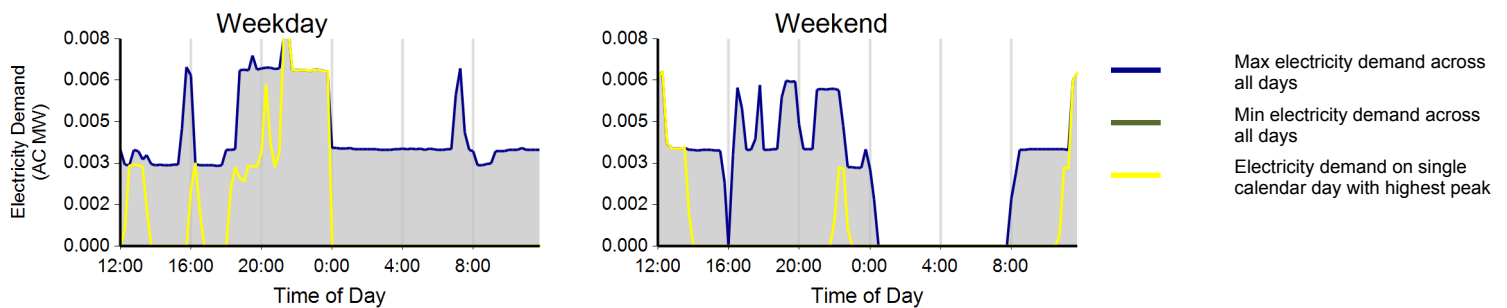
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	141	49	190
Electricity consumed (AC MWh)	0.70	0.28	0.98
Percent of time with a vehicle connected to EVSE	2%	2%	2%
Percent of time with a vehicle drawing power from EVSE	1%	1%	1%
Average number of charging events started per EVSE per day	0.11	0.09	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: Houston, TX Metropolitan Area

Report period: January 2012 through March 2012

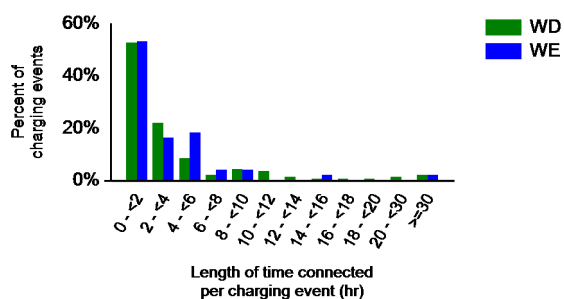
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	0%	18%	82%
Percent of electricity consumed	0%	10%	90%

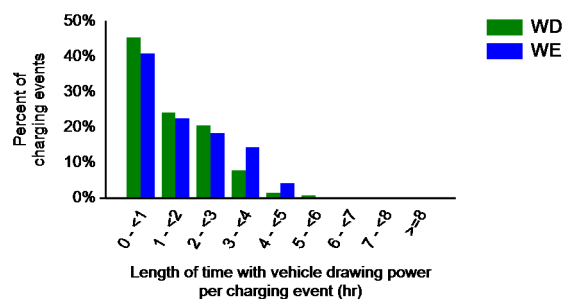
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	5.5	4.9	5.4
Average length of time with vehicle drawing power per charging event (hr)	1.4	1.7	1.5
Average electricity consumed per charging event (AC kWh)	4.9	5.9	5.2

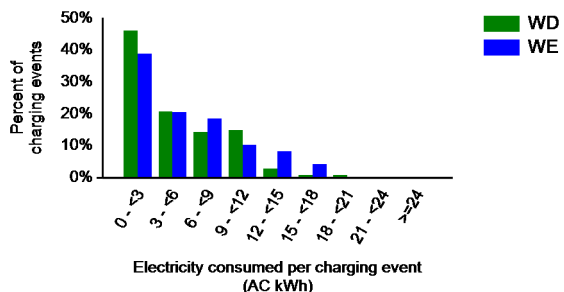
Distribution of Length of Time with a Vehicle Connected per Charging Event



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



Distribution of Electricity Consumed per Charging Event



EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Washington State

Report period: January 2012 through March 2012

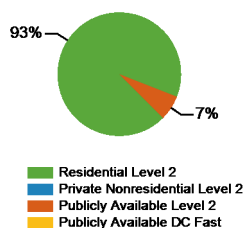
Number of EV Project vehicles in region: 504



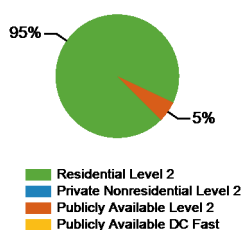
Charging Unit Usage

	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	504	0	119	0	623
Number of charging events ²	33,544	0	2,354	0	35,898
Electricity consumed (AC MWh)	257.69	0.00	14.92	0.00	272.60
Percent of time with a vehicle connected to charging unit	36%	0%	7%	0%	30%
Percent of time with a vehicle drawing power from charging unit	7%	0%	2%	0%	6%

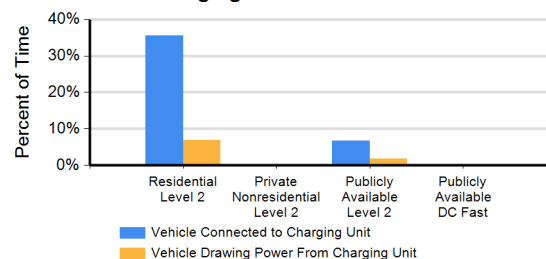
Number of Charge Events



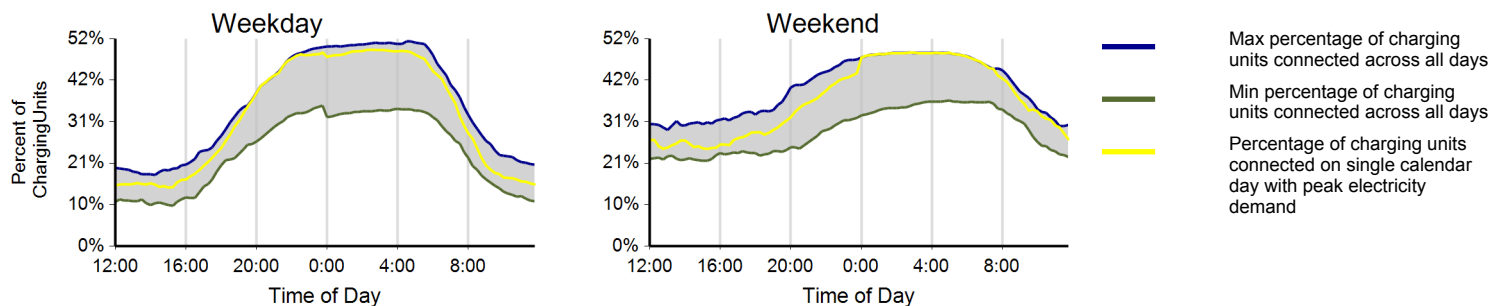
Electricity Consumed



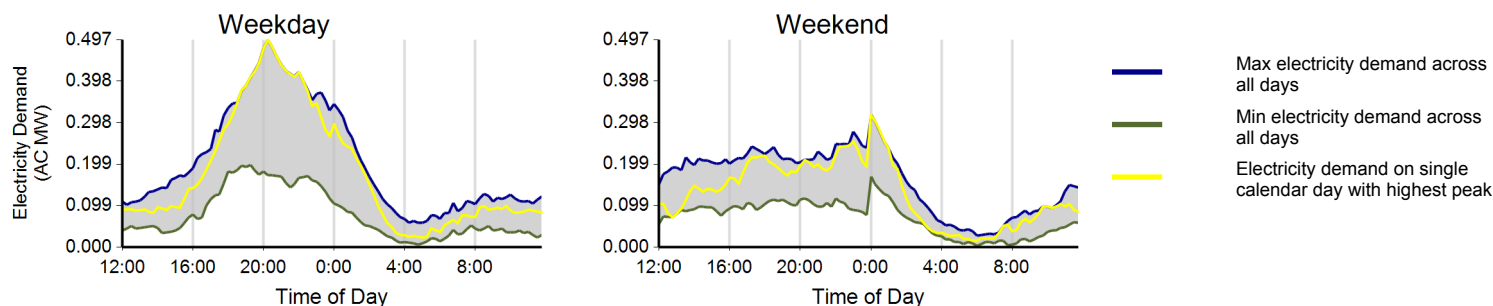
Charging Unit Utilization



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

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

³ Considers the connection status of all charging units every minute

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

Residential Level 2 Electric Vehicle Supply Equipment (EVSE)

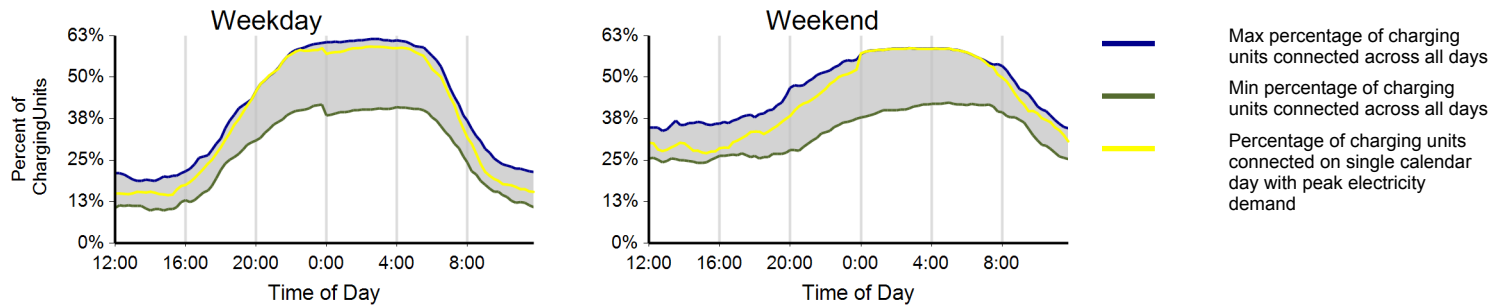
Region: Washington State

Report period: January 2012 through March 2012

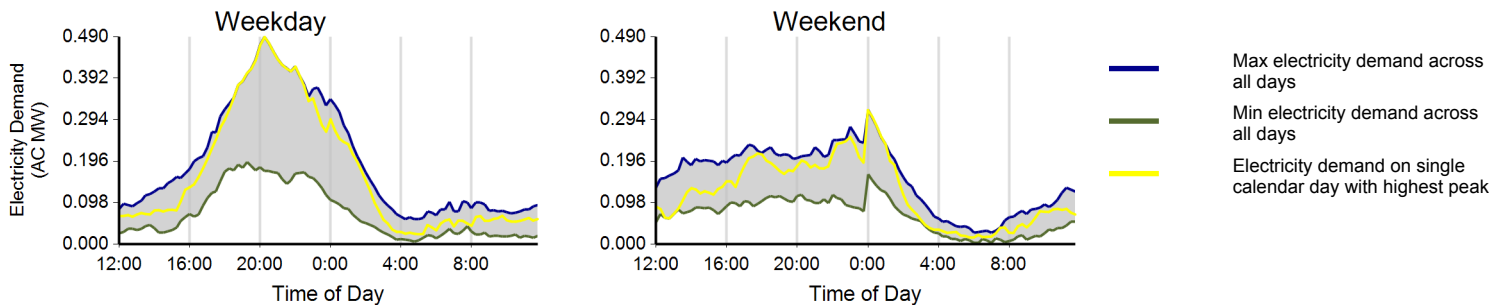
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	24,829	8,715	33,544
Electricity consumed (AC MWh)	194.78	62.89	257.67
Percent of time with a vehicle connected to EVSE	34%	38%	36%
Percent of time with a vehicle drawing power from EVSE	7%	6%	7%
Average number of charging events started per EVSE per day	0.79	0.70	0.77

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 2012 through March 2012

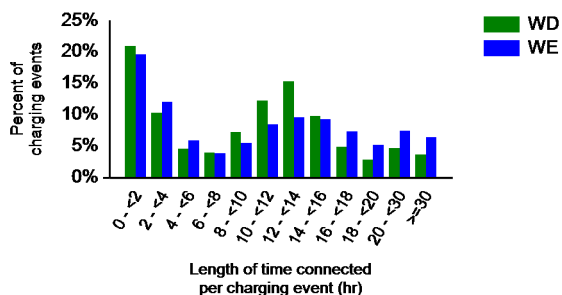
Vehicles Charged

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

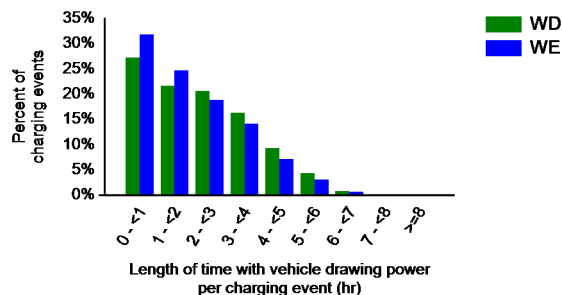
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.0	12.2	11.3
Average length of time with vehicle drawing power per charging event (hr)	2.2	2.0	2.2
Average electricity consumed per charging event (AC kWh)	7.9	7.0	7.7

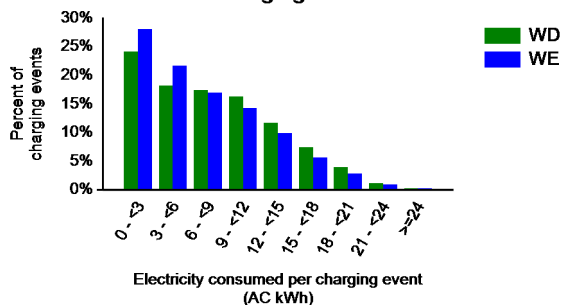
Distribution of Length of Time with a Vehicle Connected per Charging Event



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)

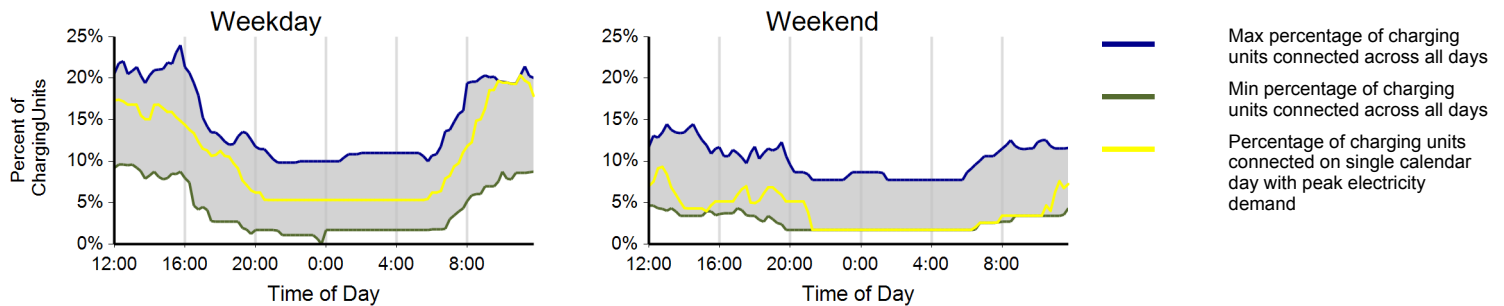
Region: Washington State

Report period: January 2012 through March 2012

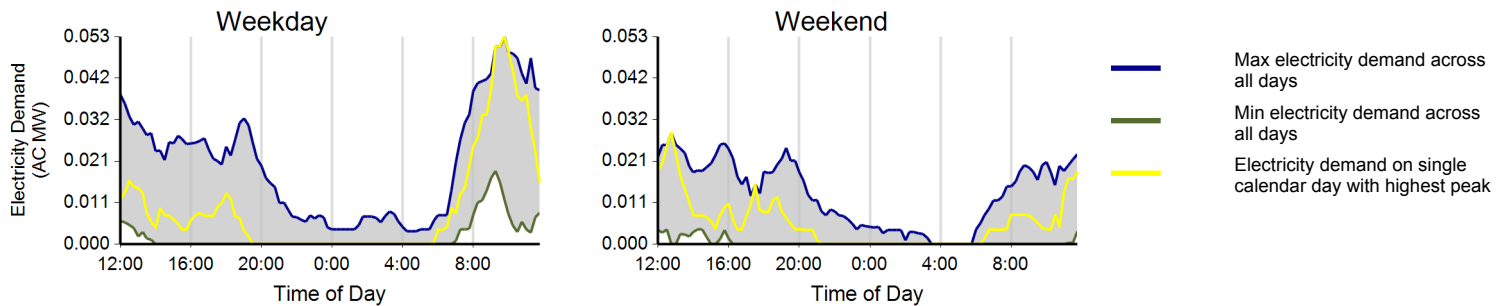
EVSE Usage

	Weekday	Weekend	Overall
Number of charging events	1,871	483	2,354
Electricity consumed (AC MWh)	12.52	2.40	14.92
Percent of time with a vehicle connected to EVSE	7%	5%	7%
Percent of time with a vehicle drawing power from EVSE	2%	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: Washington State

Report period: January 2012 through March 2012

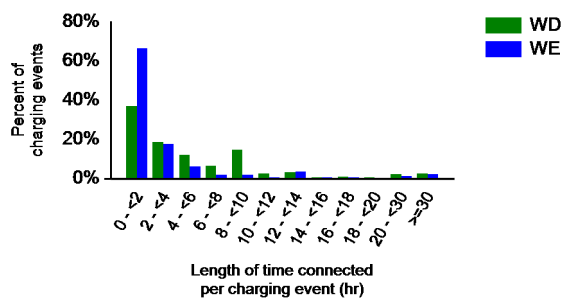
Vehicles Charged

	Nissan Leaf	Chevrolet Volt	Unknown
Percent of charging events	29%	3%	68%
Percent of electricity consumed	23%	3%	73%

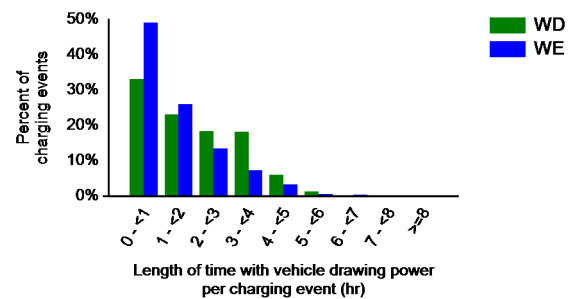
Individual Charging Event Statistics

	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	7.4	3.7	6.6
Average length of time with vehicle drawing power per charging event (hr)	1.9	1.4	1.8
Average electricity consumed per charging event (AC kWh)	6.7	5.0	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

