Project

Total

966

35,190

249.22

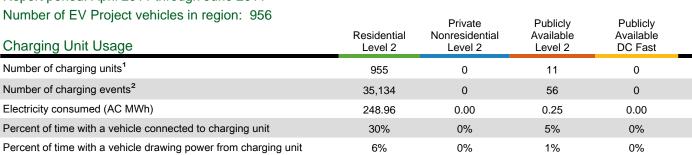
30%

6%

Report period: April 2011 through June 2011

U.S. DEPARTMENT OF

Region: ALL



 Number of Charge Events
 Electricity Consumed

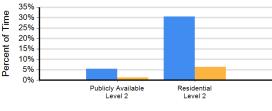
 100 %
 100 %

 0 %
 0 %

 Residential Level 2
 Residential Level 2

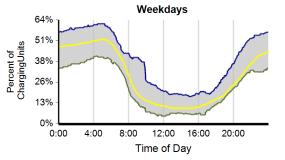
 Publicly Available Level 2
 Publicly Available Level 2

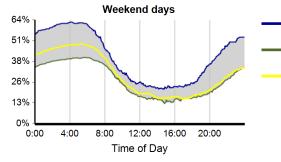
Charging Unit Utilization



Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

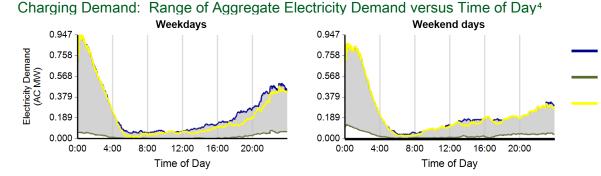
Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³





Max percentage of charging units connected across all days Min percentage of charging units connected across all days

Percentage of charging units connected on single calendar day with peak electricity demand



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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





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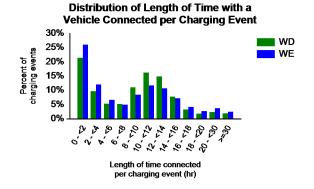
Region: ALL

Report period: April 2011 through June 2011

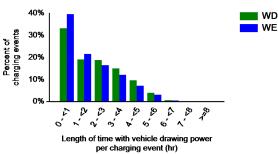
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	25,222	9,912	35,134
Electricity consumed (AC MWh)	186.67	62.30	248.96
Percent of time with a vehicle connected to EVSE	30%	32%	30%
Percent of time with a vehicle drawing power from EVSE	6%	6%	6%
Average number of charging events started per EVSE per day	0.78	0.79	0.78
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

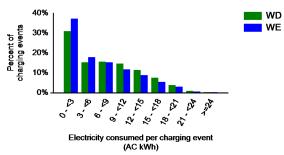
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	9.5	9.2	9.4
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.8	2.0
Average electricity consumed per charging event (AC kWh)	7.4	6.3	7.1



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









EV Project Electric Vehicle Charging Infrastructure Summary Report

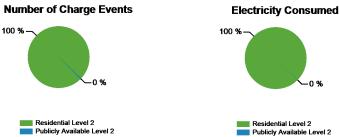
Project

Dublich

Region: Phoenix, AZ Metropolitan Area Report period: April 2011 through June 2011

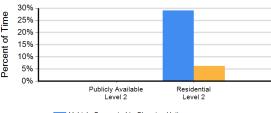
Number of EV Project vehicles in region: 82

Charging Unit Usage	Residential Level 2	Nonresidential Level 2	Available Level 2	Available DC Fast	Total
Number of charging units ¹	82	0	0	0	82
Number of charging events ²	3,202	0	16	0	3,218
Electricity consumed (AC MWh)	20.88	0.00	0.02	0.00	20.90
Percent of time with a vehicle connected to charging unit	29%	0%	0%	0%	28%
Percent of time with a vehicle drawing power from charging unit	6%	0%	0%	0%	6%



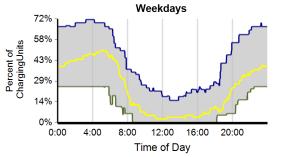
Charging Unit Utilization

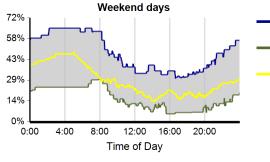
Dublich



Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

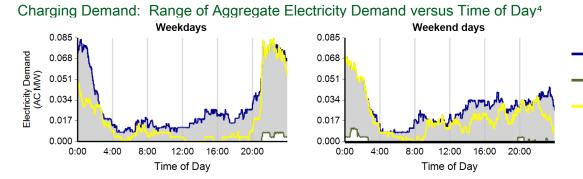
Charging Availability: Range of Percent of Charging Units with a Vehicle Connected versus Time of Day³





Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units

connected on single calendar day with peak electricity demand



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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

 $^{\mathbf{3}}$ Considers the connection status of all charging units every minute

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





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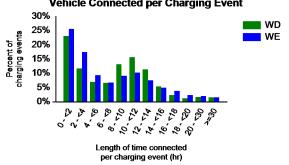
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Region: Phoenix, AZ Metropolitan Area Report period: April 2011 through June 2011

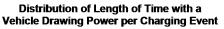
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	2,238	964	3,202
Electricity consumed (AC MWh)	15.55	5.33	20.88
Percent of time with a vehicle connected to EVSE	28%	31%	28%
Percent of time with a vehicle drawing power from EVSE	6%	6%	6%
Average number of charging events started per EVSE per day	0.80	0.89	0.82
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

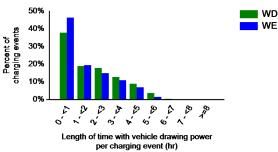
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	8.8	7.7	8.4
Average length of time with vehicle drawing power per charging event (hr)	1.9	1.6	1.8
Average electricity consumed per charging event (AC kWh)	6.9	5.5	6.5

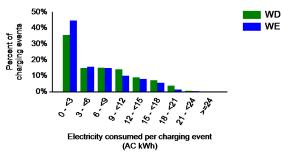


Distribution of Length of Time with a Vehicle Connected per Charging Event





Distribution of Electricity Consumed per Charging Event







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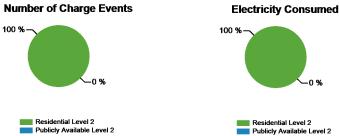
Project

Report period: April 2011 through June 2011

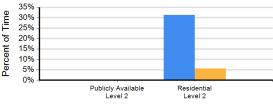
Region: Tucson, AZ Metropolitan Area

Number of EV Project vehicles in region: 22

Number of EV Project vehicles in region: 22		Private	Publicly	Publicly	
Charging Unit Usage	Residential Level 2	Nonresidential Level 2	Available Level 2	Available DC Fast	Total
Number of charging units ¹	22	0	0	0	22
Number of charging events ²	1,060	0	0	0	1,060
Electricity consumed (AC MWh)	6.49	0.00	0.00	0.00	6.49
Percent of time with a vehicle connected to charging unit	31%	0%	0%	0%	31%
Percent of time with a vehicle drawing power from charging unit	6%	0%	0%	0%	6%



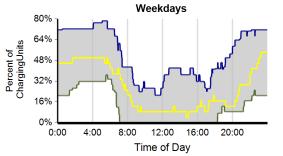
Charging Unit Utilization

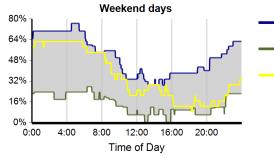


Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

<u>0 %</u>

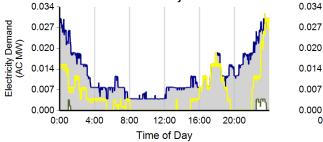


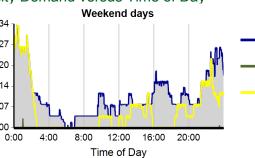


Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units

connected on single calendar day with peak electricity demand







Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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





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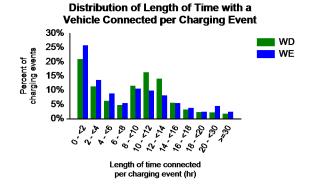
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Region: Tucson, AZ Metropolitan Area Report period: April 2011 through June 2011

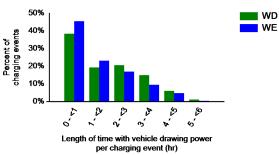
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	779	281	1,060
Electricity consumed (AC MWh)	5.02	1.47	6.49
Percent of time with a vehicle connected to EVSE	31%	33%	31%
Percent of time with a vehicle drawing power from EVSE	6%	5%	6%
Average number of charging events started per EVSE per day	0.83	0.76	0.81
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

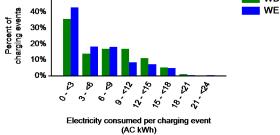
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	9.4	9.1	9.3
Average length of time with vehicle drawing power per charging event (hr)	1.8	1.4	1.7
Average electricity consumed per charging event (AC kWh)	6.4	5.2	6.1



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



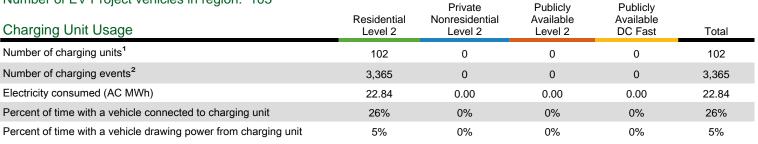


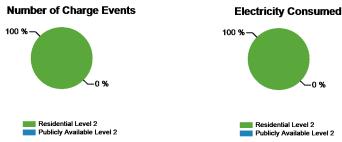




Region: Los Angeles, CA Metropolitan Area Report period: April 2011 through June 2011 Number of EV Project vehicles in region: 103

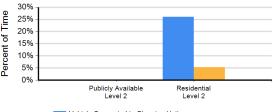
U.S. DEPARTMENT OF





Charging Unit Utilization

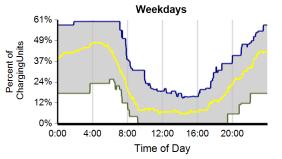
Project

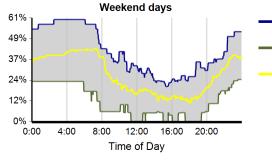


Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

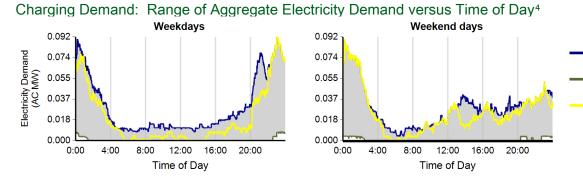
%





Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units connected on single calendar

day with peak electricity demand



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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





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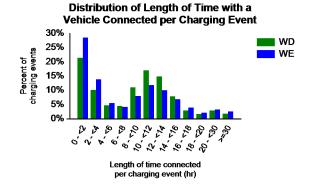
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Region: Los Angeles, CA Metropolitan Area Report period: April 2011 through June 2011

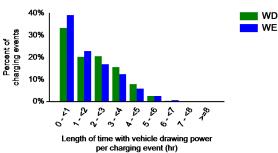
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	2,372	993	3,365
Electricity consumed (AC MWh)	16.72	6.12	22.84
Percent of time with a vehicle connected to EVSE	25%	28%	26%
Percent of time with a vehicle drawing power from EVSE	5%	5%	5%
Average number of charging events started per EVSE per day	0.67	0.72	0.69
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

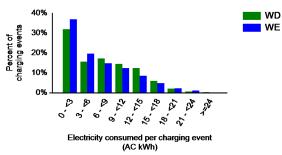
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	9.4	8.7	9.2
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)	7.0	6.2	6.8



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









Region: San Diego, CA Metropolitan Area Report period: April 2011 through June 2011

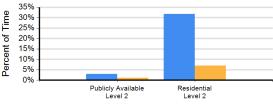
Number of EV Project vehicles in region: 240

Number of EV Project vehicles in region: 240	Residential	Private Nonresidential	Publicly Available	Publicly Available	
Charging Unit Usage	Level 2	Level 2	Level 2	DC Fast	Total
Number of charging units ¹	240	0	8	0	248
Number of charging events ²	9,556	0	16	0	9,572
Electricity consumed (AC MWh)	76.28	0.00	0.08	0.00	76.35
Percent of time with a vehicle connected to charging unit	32%	0%	3%	0%	31%
Percent of time with a vehicle drawing power from charging unit	7%	0%	1%	0%	7%



Charging Unit Utilization

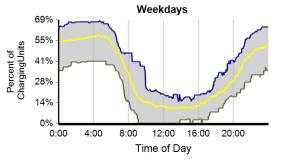
Project

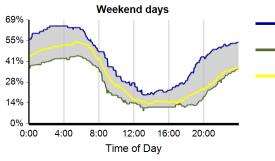


Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

0%

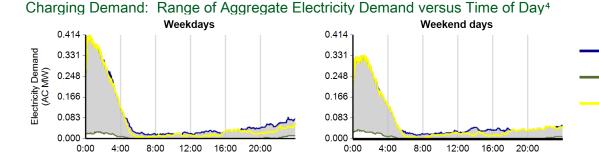




Time of Day

Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units

connected on single calendar day with peak electricity demand



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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

Time of Day

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





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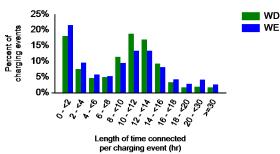
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Region: San Diego, CA Metropolitan Area Report period: April 2011 through June 2011

EVSE Usage	Weekday	Weekend	Overall
Number of charging events	6,977	2,579	9,556
Electricity consumed (AC MWh)	57.98	18.29	76.28
Percent of time with a vehicle connected to EVSE	31%	33%	31%
Percent of time with a vehicle drawing power from EVSE	7%	7%	7%
Average number of charging events started per EVSE per day	0.77	0.73	0.76
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

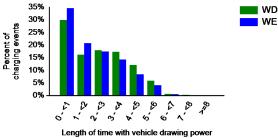
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	10.1	10.3	10.1
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)	8.3	7.1	8.0

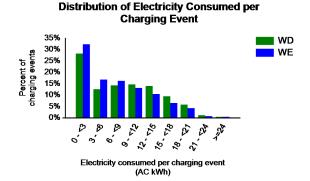


Distribution of Length of Time with a Vehicle Connected per Charging Event

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



per charging event (hr)



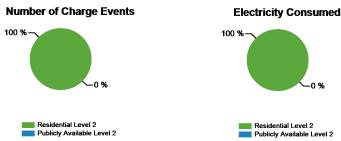




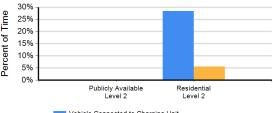
8/10/2011 1:18:57 PM INL/LTD-11-22097 Page 10 of 20

Region: San Francisco, CA Metropolitan Area Report period: April 2011 through June 2011 Number of EV Project vehicles in region: 194

Charging Unit Usage	Residential Level 2	Private Nonresidential Level 2	Publicly Available Level 2	Publicly Available DC Fast	Total
Number of charging units ¹	191	0	0	0	191
Number of charging events ²	5,532	0	0	0	5,532
Electricity consumed (AC MWh)	37.99	0.00	0.00	0.00	37.99
Percent of time with a vehicle connected to charging unit	28%	0%	0%	0%	28%
Percent of time with a vehicle drawing power from charging unit	6%	0%	0%	0%	6%



Charging Unit Utilization

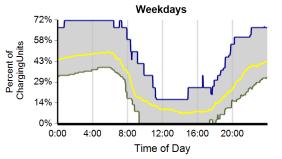


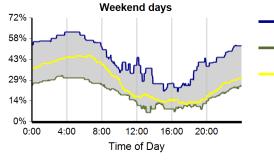
Project

Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

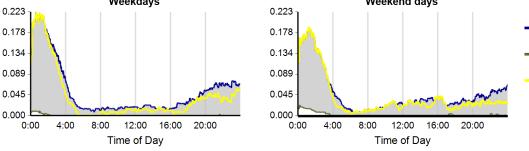
0%





Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units connected on single calendar day with peak electricity demand

Charging Demand: Range of Aggregate Electricity Demand versus Time of Day⁴ Weekdays Weekend days



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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



Electricity Demand (AC MW)



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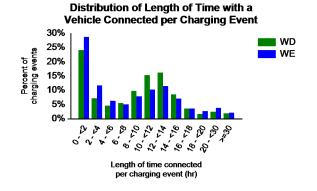
Region: San Francisco, CA Metropolitan Area

Report period: April 2011 through June 2011

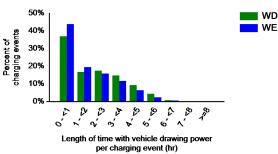
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	4,000	1,532	5,532
Electricity consumed (AC MWh)	29.07	8.92	37.99
Percent of time with a vehicle connected to EVSE	28%	29%	28%
Percent of time with a vehicle drawing power from EVSE	6%	6%	6%
Average number of charging events started per EVSE per day	0.73	0.73	0.73
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

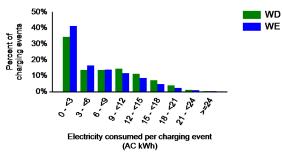
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	9.8	8.9	9.5
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.6	1.9
Average electricity consumed per charging event (AC kWh)	7.3	5.8	6.9



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









Project

Total

110

4,098

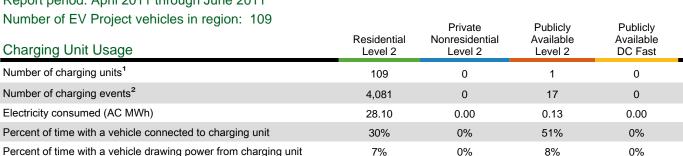
28.23

30%

7%

Report period: April 2011 through June 2011

Region: Oregon



 Number of Charge Events
 Electricity Consumed

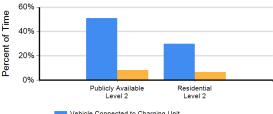
 100 %
 0 %

 Participation
 100 %

 Residential Level 2
 Residential Level 2

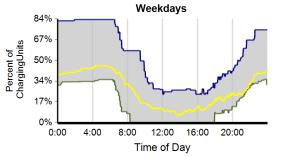
 Publicity Available Level 2
 Publicity Available Level 2

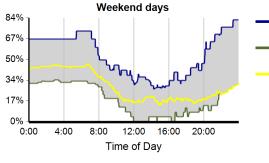
Charging Unit Utilization



Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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





Weekend days

12:00

Time of Day

16:00

20:00

Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units connected on single calendar day with peak electricity

demand

Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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

12:00

Time of Day

16:00

20:00

Weekdays

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

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

0.096

0.077

0.058

0.038

0.019

0.000

0:00

4:00

8:00

³ Considers the connection status of all charging units every minute

8:00

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



0.096

0.077

0.058

0.038

0.019

0.000

0:00

4:00

Electricity Demand (AC MW)



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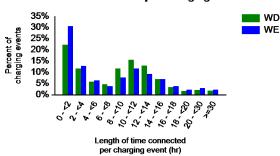
Region: Oregon

Report period: April 2011 through June 2011

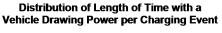
EVSE Usage	Weekday	Weekend	Overall	
Number of charging events	2,853	1,228	4,081	
Electricity consumed (AC MWh)	20.17	7.93	28.10	
Percent of time with a vehicle connected to EVSE	29%	32%	30%	
Percent of time with a vehicle drawing power from EVSE	7%	7%	7%	
Average number of charging events started per EVSE per day	0.81	0.90	0.84	
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0	

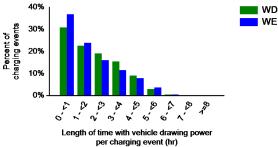
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

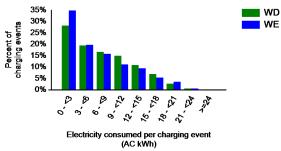
Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	8.7	8.5	8.7
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.9	2.0
Average electricity consumed per charging event (AC kWh)	7.1	6.5	6.9



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











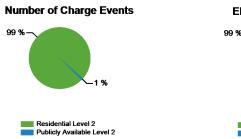
EV Project Electric Vehicle Charging Infrastructure Summary Report

Region: Knoxville, TN Metropolitan Area

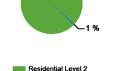
Report period: April 2011 through June 2011

Number of EV Project vehicles in region: 13

Charging Unit Usage	Residential Level 2	Nonresidential Level 2	Available Level 2	Available DC Fast	Total
Number of charging units ¹	13	0	1	0	14
Number of charging events ²	472	0	5	0	477
Electricity consumed (AC MWh)	3.37	0.00	0.02	0.00	3.40
Percent of time with a vehicle connected to charging unit	34%	0%	4%	0%	34%
Percent of time with a vehicle drawing power from charging unit	6%	0%	2%	0%	6%



Electricity Consumed



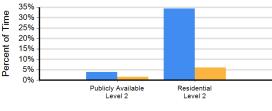
Publicly Available Level 2

Charging Unit Utilization

Dublich

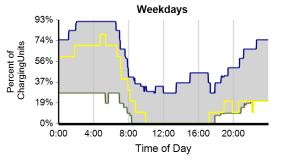
Project

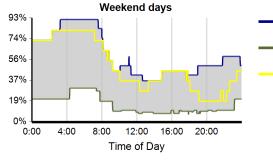
Dublich



Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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





Weekend days

12:00

Time of Day

16:00

20:00

Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units connected on single calendar day with peak electricity demand

Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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

12:00

Time of Day

16:00

20:00

Weekdays

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

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

0.023

0.018

0.014

0.009

0.005

0.000

0:00

4:00

8:00

³ Considers the connection status of all charging units every minute

8:00

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



0.023

0.018

0.014

0.009

0.005

0.000

4:00

Electricity Demand (AC MW)



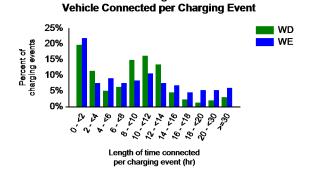
8/10/2011 1:20:10 PM INL/LTD-11-22097 Page 15 of 20

Region: Knoxville, TN Metropolitan Area Report period: April 2011 through June 2011

EVSE Usage	Weekday	Weekend	Overall	
Number of charging events	351	121	472	
Electricity consumed (AC MWh)	2.71	0.66	3.37	
Percent of time with a vehicle connected to EVSE	34%	35%	34%	
Percent of time with a vehicle drawing power from EVSE	6%	5%	6%	
Average number of charging events started per EVSE per day	0.74	0.68	0.73	
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0	

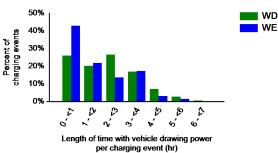
Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
Percent of charging events	100%	0%	0%
Percent of electricity consumed	100%	0%	0%

Individual Charging Event Statistics	Weekday (WD)	Weekend (WE)	Overall
Average length of time with vehicle connected per charging event (hr)	11.0	11.2	11.0
Average length of time with vehicle drawing power per charging event (hr)	2.1	1.5	2.0
Average electricity consumed per charging event (AC kWh)	7.7	5.5	7.1

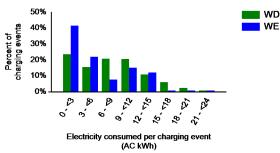


Distribution of Length of Time with a

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



Distribution of Electricity Consumed per Charging Event







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EV Project Electric Vehicle Charging Infrastructure Summary Report

Project

Dublialy

Region: Nashville, TN Metropolitan Area Report period: April 2011 through June 2011

U.S. DEPARTMENT OF

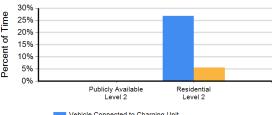
Number of EV Project vehicles in region: 23

Charging Unit Usage	Residential Level 2	Nonresidential Level 2	Available Level 2	Available DC Fast	Total
Number of charging units ¹	22	0	0	0	22
Number of charging events ²	782	0	0	0	782
Electricity consumed (AC MWh)	5.43	0.00	0.00	0.00	5.43
Percent of time with a vehicle connected to charging unit	27%	0%	0%	0%	27%
Percent of time with a vehicle drawing power from charging unit	6%	0%	0%	0%	6%



Charging Unit Utilization

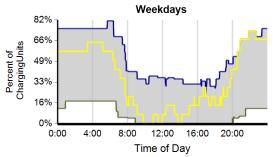
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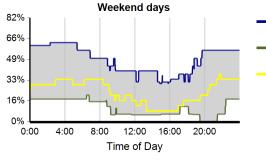


Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

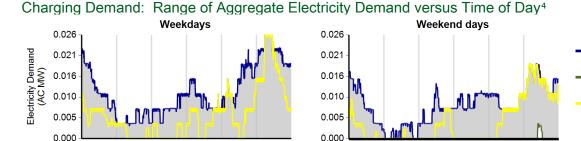
<u>0 %</u>





Max percentage of charging units connected across all days Min percentage of charging units connected across all days Percentage of charging units connected on single calendar

day with peak electricity demand



Max electricity demand across all days

Min electricity demand across all days

Electricity demand on single calendar day with highest peak

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

12:00

Time of Day

16:00

20:00

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

0:00

4:00

8:00

12:00

Time of Day

16:00

20:00

³ Considers the connection status of all charging units every minute

8:00

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



0:00

4:00



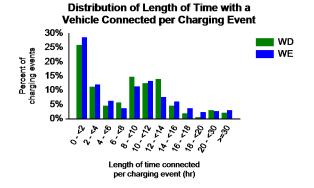
8/10/2011 1:19:39 PM INL/LTD-11-22097 Page 17 of 20

Region: Nashville, TN Metropolitan Area Report period: April 2011 through June 2011

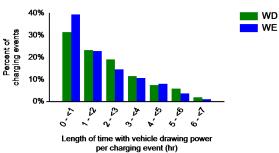
EVSE Usage	Weekday	Weekend	Overall
Number of charging events	559	223	782
Electricity consumed (AC MWh)	4.03	1.40	5.43
Percent of time with a vehicle connected to EVSE	26%	28%	27%
Percent of time with a vehicle drawing power from EVSE	6%	5%	6%
Average number of charging events started per EVSE per day	0.70	0.73	0.70
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
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)	9.5	8.6	9.2
Average length of time with vehicle drawing power per charging event (hr)	2.0	1.8	1.9
Average electricity consumed per charging event (AC kWh)	7.2	6.3	6.9



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



Distribution of Electricity Consumed per Charging Event 40% WD Percent of charging events WE 30% 20% 10% 15. cl 0% م چ 9. ⁵⁷² 9 43. 12 12 **▲** *€*, 'o' چ ج 12 15, 'S 18, ⁷8 18, ²⁹

Electricity consumed per charging event (AC kWh)





EV Project Electric Vehicle Charging Infrastructure Summary Report

Project

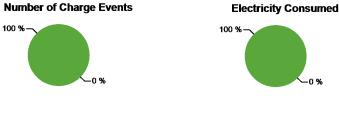
Dublich

Report period: April 2011 through June 2011

Region: Washington State



Charging Unit Usage	Residential Level 2	Nonresidential Level 2	Available Level 2	Available DC Fast	Total
Number of charging units ¹	163	0	1	0	164
Number of charging events ²	6,781	0	2	0	6,783
Electricity consumed (AC MWh)	45.36	0.00	0.00	0.00	45.36
Percent of time with a vehicle connected to charging unit	35%	0%	0%	0%	35%
Percent of time with a vehicle drawing power from charging unit	7%	0%	0%	0%	7%

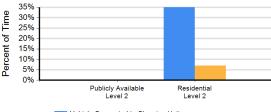


Residential Level 2 Publicly Available Level 2



Charging Unit Utilization

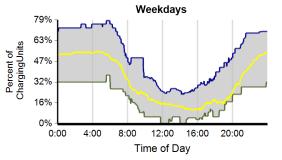
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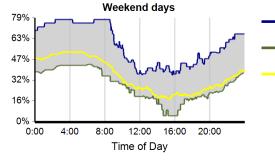


Vehicle Connected to Charging Unit Vehicle Drawing Power From Charging Unit

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

<u>0 %</u>

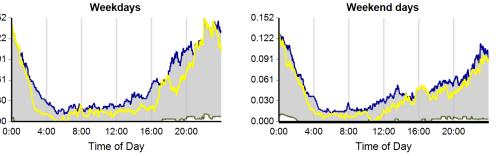




Max percentage of charging units connected across all days Min percentage of charging units connected across all days

Percentage of charging units connected on single calendar day with peak electricity demand





Max electricity demand across all days Min electricity demand across

all days

Electricity demand on single calendar day with highest peak

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



0.152

0.122

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0.030

0.000

Electricity Demand (AC MW)



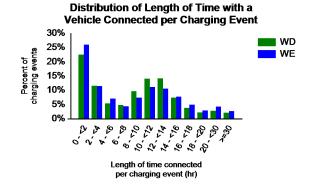
Region: Washington State

Report period: April 2011 through June 2011

EVSE Usage	Weekday	Weekend	Overall
Number of charging events	4,862	1,919	6,781
Electricity consumed (AC MWh)	33.64	11.72	45.36
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	0.90	0.92	0.91
Average number of distinct vehicles charged per EVSE per day (EV Project vehicles only)	1.0	1.0	1.0

Vehicles Charged	Nissan Leaf	Chevrolet Volt	Non-EV Project vehicles
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)	9.4	9.4	9.4
Average length of time with vehicle drawing power per charging event (hr)	1.9	1.7	1.9
Average electricity consumed per charging event (AC kWh)	6.9	6.1	6.7



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

