

EV Project Solar-Assisted Charging Infrastructure Summary Report

EVSE Grouping/Region: LP Field

Report Period: January 1-March 31, 2015 (Quarter 1, 2015)

Number of EV Charging Stations: 8

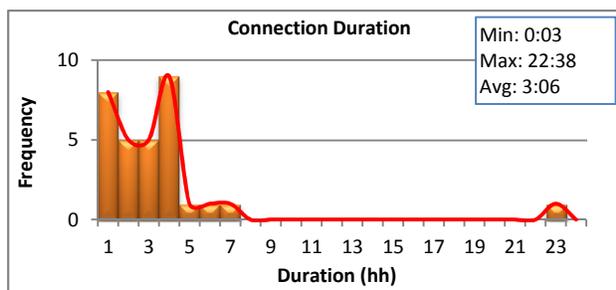
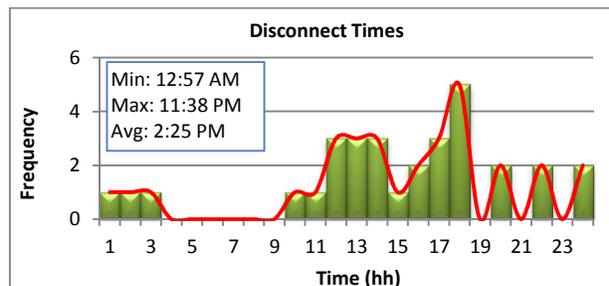
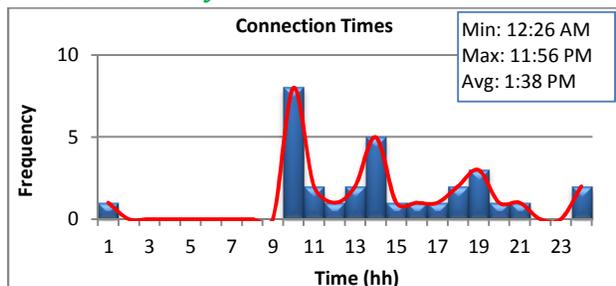
Usage Statistics

	Q1	Q2	Q3	Q4
Number of charging events	31	-	-	-
Percent of time (connected vehicles)	0.6%	-	-	-
Percent of time (charging vehicles)	0.6%	-	-	-

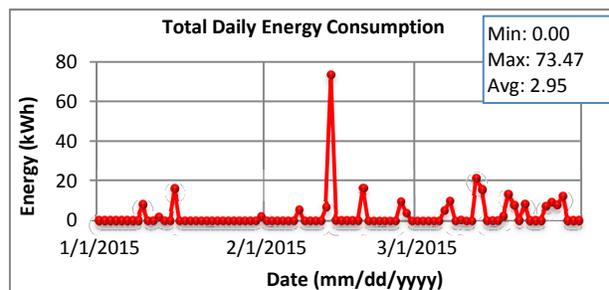
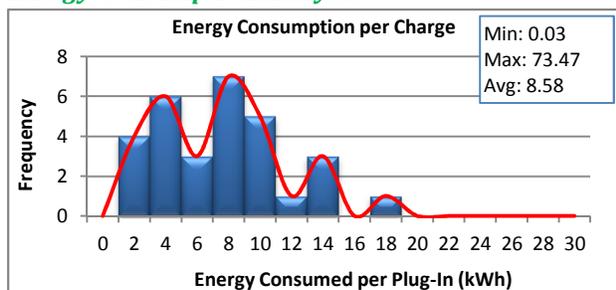
Installation Statistics

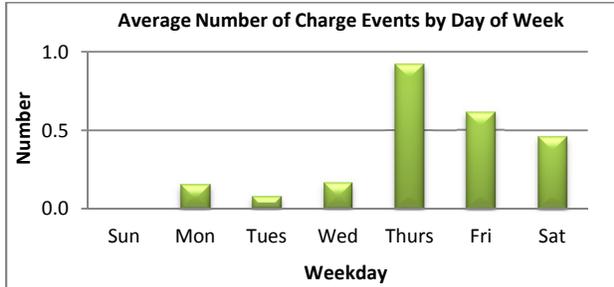
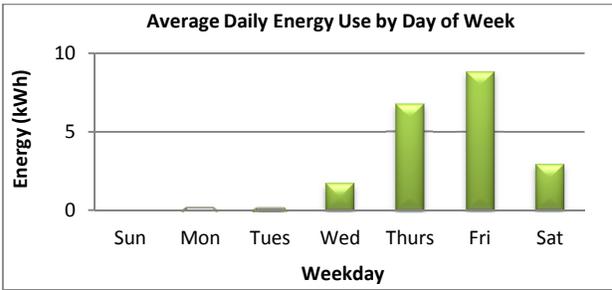
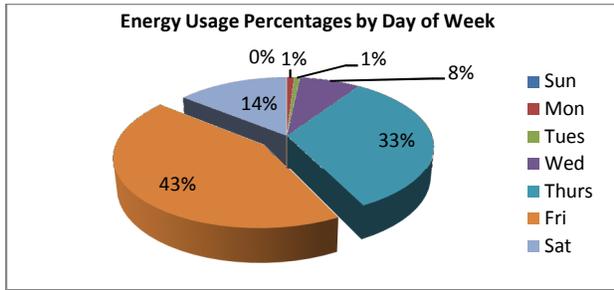
	Q1	Q2	Q3	Q4	2015 Totals
Solar-energy generated (MWh)	3.92	-	-	-	3.92
Energy consumed (MWh)	0.27	-	-	-	0.27
Net energy generation (MWh)	3.66	-	-	-	3.66
Total distance traveled (mi) ¹	760	-	-	-	760

Time Series Analysis

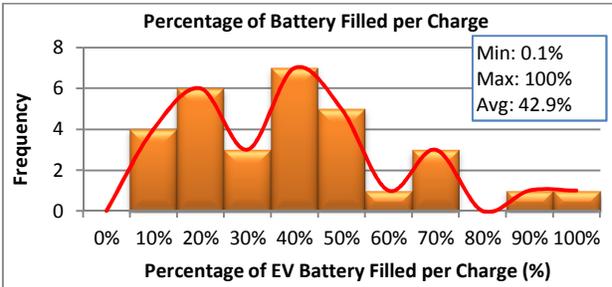
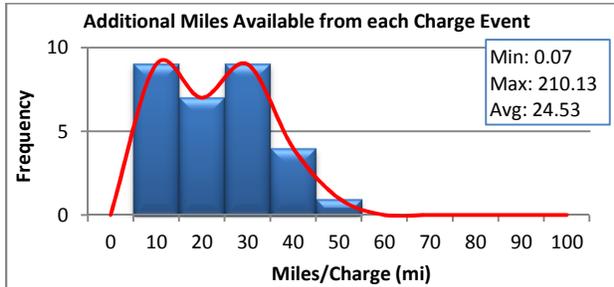


Energy Consumption Analysis

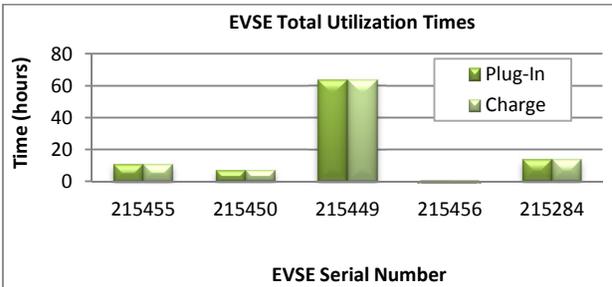
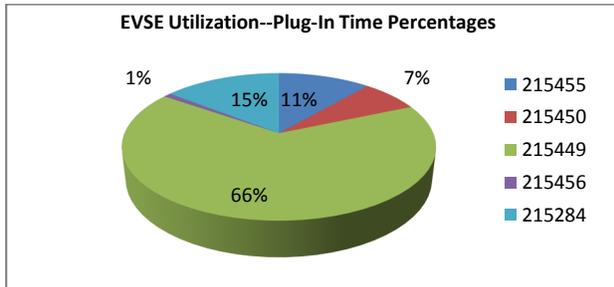




Charging Analysis



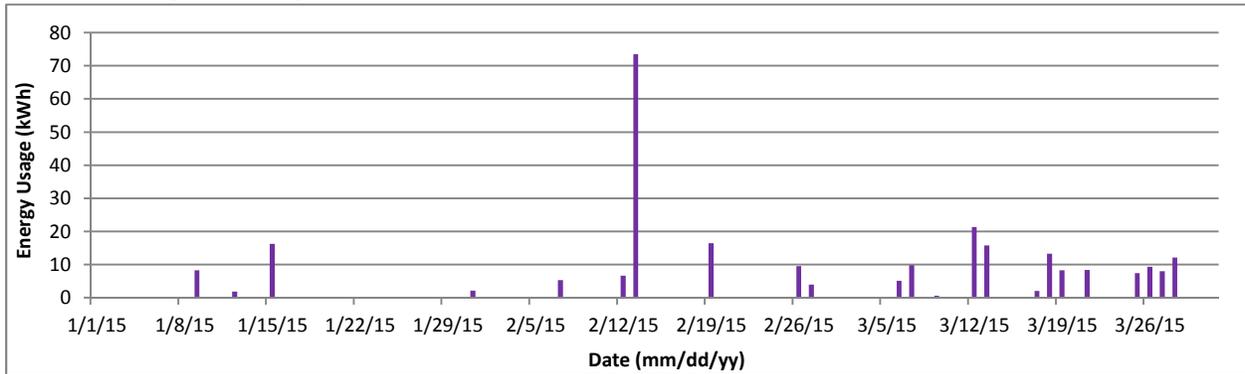
EVSE Analysis



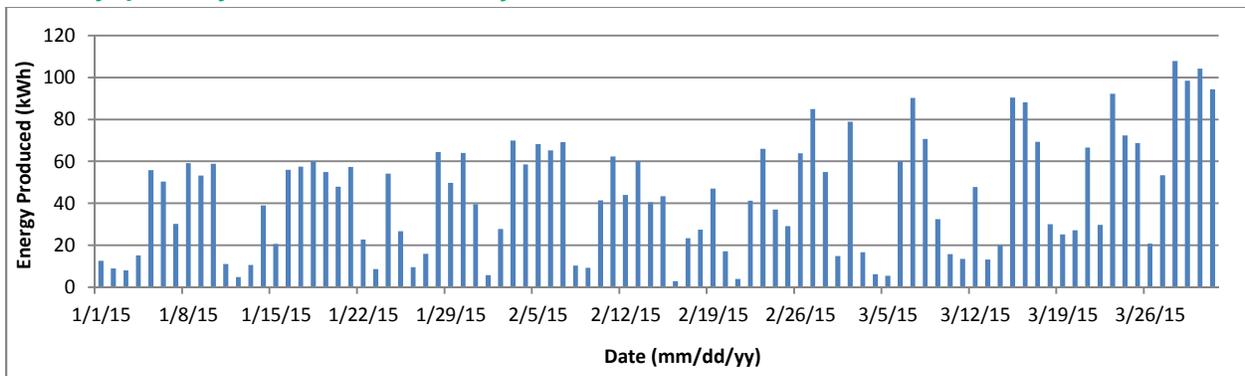
Report Period Summary

	Q1	Q2	Q3	Q4
Average connection duration (hrs.)	3.1	-	-	-
Average charge duration (hrs.)	3.1	-	-	-
Average miles per charge ⁱ	24.5	-	-	-
Average % of battery filled per charge event ⁱⁱ	42.9%	-	-	-

EVSE Quarterly Load Profile



PV Array Quarterly Power Generation Profile



ⁱ Based on the total energy consumption and an average of miles per kWh for the Nissan Leaf (2.94 mi/kWh) and Chevy Volt (2.78 mi/kWh). Values taken from <http://www.fueleconomy.gov/>.

ⁱⁱ Based on energy consumption and size of battery for the Nissan Leaf (24 kWh) and Chevy Volt (16 kWh).