

EV Project Solar-Assisted Charging Infrastructure Summary Report

EVSE Grouping/Region: Knoxville Market Square
 Report Period: January 1-March 31, 2015 (Quarter 1, 2015)
 Number of EV Charging Stations: 4

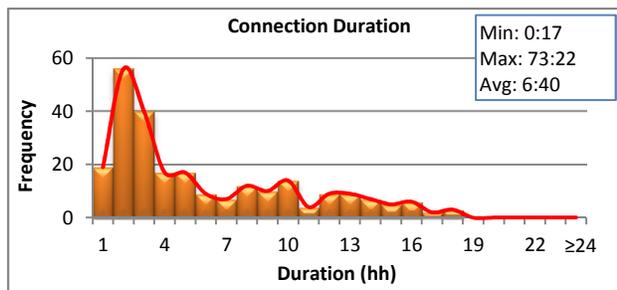
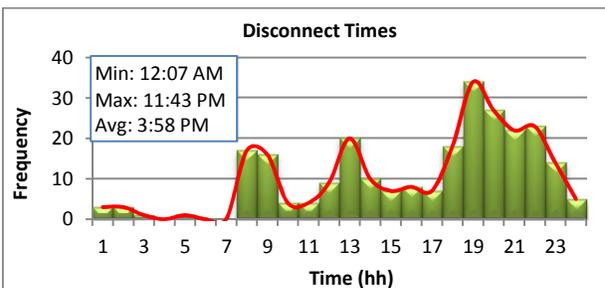
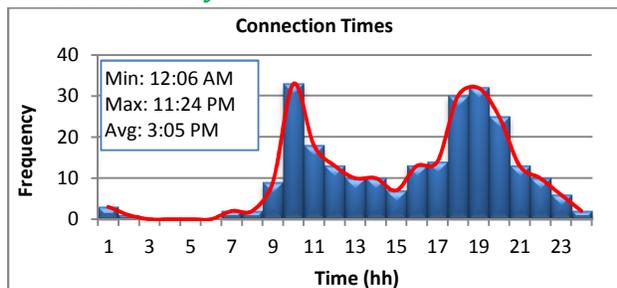
Usage Statistics

	Q1	Q2	Q3	Q4
Number of charging events	253	-	-	-
Percent of time (connected vehicles)	19.5%	-	-	-
Percent of time (charging vehicles)	19.5%	-	-	-

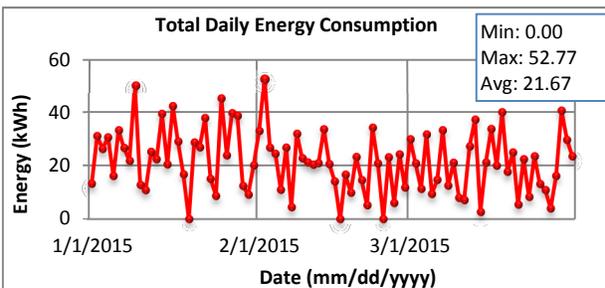
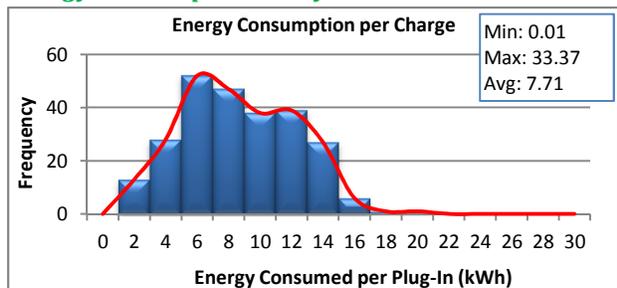
Installation Statistics

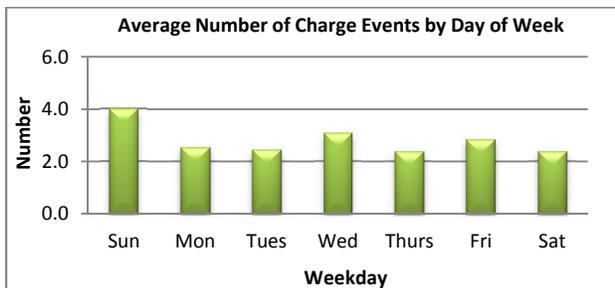
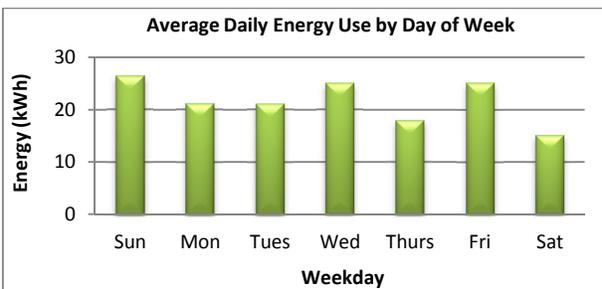
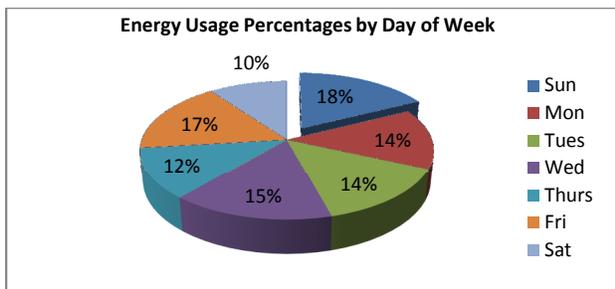
	Q1	Q2	Q3	Q4	2015 Totals
Solar-energy generated (MWh)	NA	-	-	-	NA
Energy consumed (MWh)	1.95	-	-	-	1.95
Net energy generation (MWh)	-1.95	-	-	-	-1.95
Total distance traveled (mi) ¹	5577	-	-	-	5577

Time Series Analysis

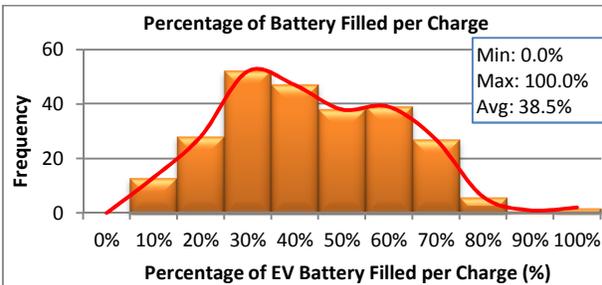
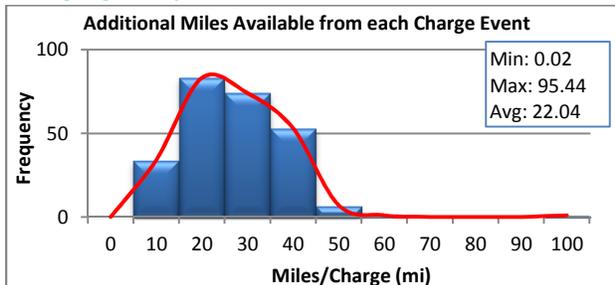


Energy Consumption Analysis

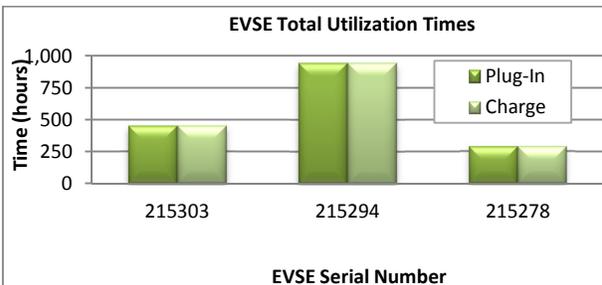
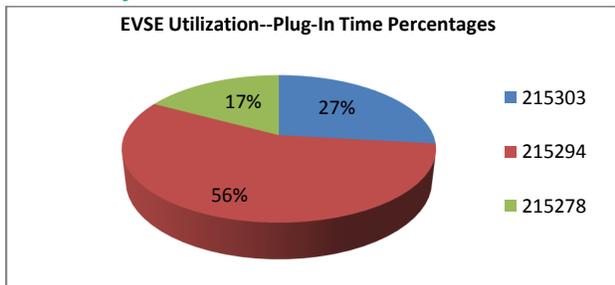




Charging Analysis



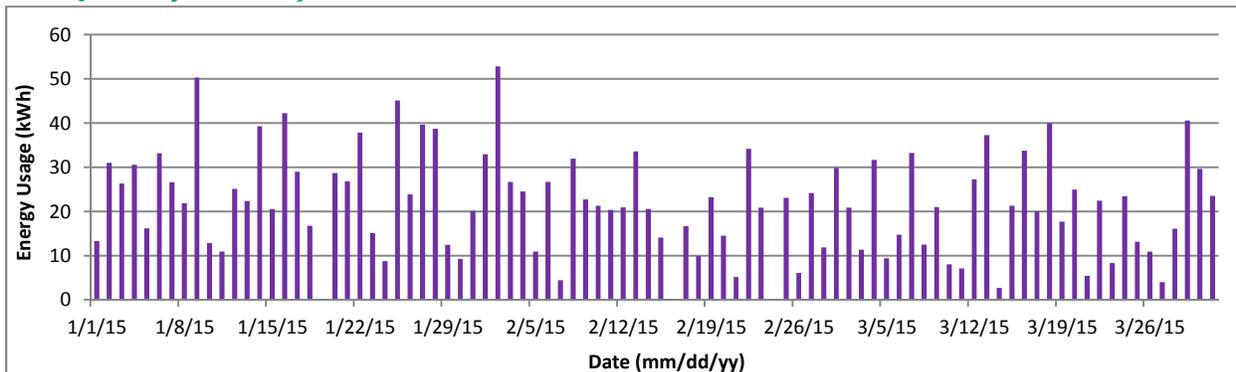
EVSE Analysis



Report Period Summary

	Q1	Q2	Q3	Q4
Average connection duration (hrs.)	6.7	-	-	-
Average charge duration (hrs.)	6.7	-	-	-
Average miles per charge ⁱ	22.0	-	-	-
Average % of battery filled per charge event ⁱⁱ	38.5%	-	-	-

EVSE Quarterly Load Profile



Note: Solar electrical power data was unavailable during this reporting period for this site.

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).