

BEV CHARGING BEHAVIOR OBSERVED IN THE EV PROJECT FOR 2013

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January 2014



The INL is a U.S. Department of Energy National Laboratory
operated by Battelle Energy Alliance

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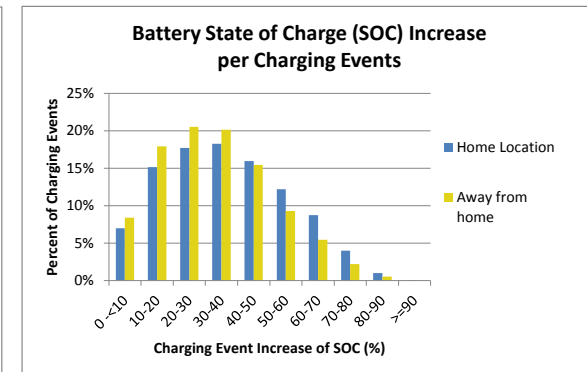
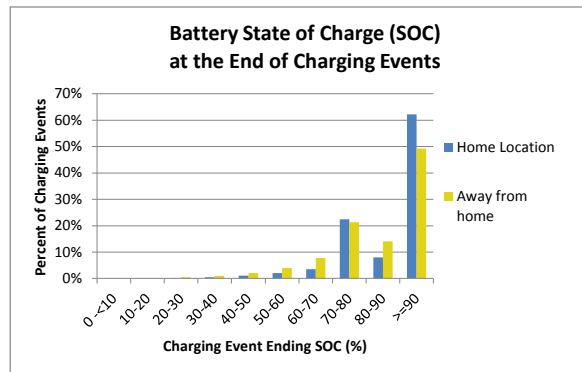
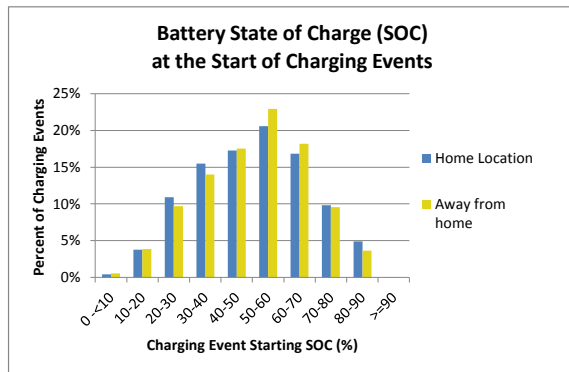
Nissan Leaf Charging Behavior Observed in The EV Project for 2013

Idaho National Laboratory (INL) - Report Number INL/EXT-14-33144

Region All
Number of vehicles 4613
Reporting period 1/1/2013 - 1/1/2014

Vehicle Usage

Number of trips 4,160,376
Total distance traveled (mi) 29,110,906
Total number of charging events 1,135,093.0



0-10
10-20
20-30
30-40
40-50
50-60
60-70
70-80
80-90
>=90

Home Location	Away from home	Home Location	Away from home	Home Location	Away from home
SOC start home (% of SOCstart home)	SOC start away (% of SOCstart away)	SOC end home (% of SOCend home)	SOC end away (% of SOCend away)	SOC increase per charge event home(first-previous)	SOC increase per charge event away (first-previous)
0.004	0.006	0.001	0.001	0.070	0.084
0.038	0.038	0.000	0.001	0.151	0.179
0.109	0.097	0.002	0.005	0.177	0.205
0.155	0.140	0.004	0.010	0.183	0.201
0.173	0.175	0.011	0.020	0.160	0.154
0.206	0.229	0.021	0.040	0.122	0.093
0.168	0.182	0.035	0.078	0.087	0.054
0.098	0.096	0.224	0.213	0.040	0.022
0.049	0.037	0.079	0.140	0.010	0.005
0.000	0.000	0.623	0.492	0.000	0.000
1.000	1.000	1.000	1.000	0.999	0.998