

New York City Electric Taxi Demonstration Results

The Electric Vehicle Pilot Program is a demonstration conducted by the New York City Taxi and Limousine Commission with the goal of understanding the use of electric vehicles as taxis. Several 2012 Nissan Leaf battery electric vehicles were provided to New York City taxi fleets and owner-drivers to use in normal taxi service. Charging infrastructure was available to the drivers. On-board electronic data logged from these vehicles is the basis for the provided results.

Vehicles Providing Data: 5

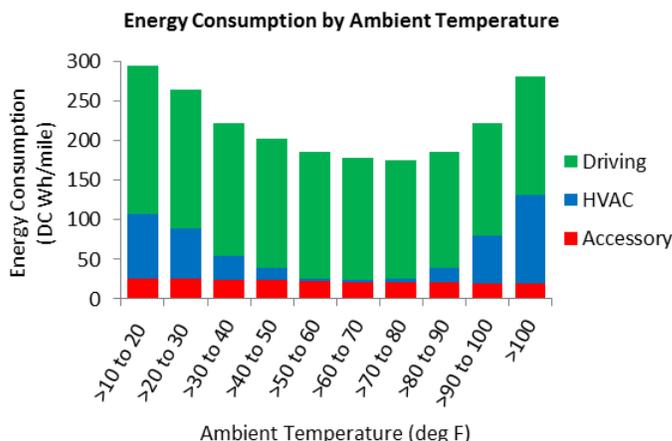
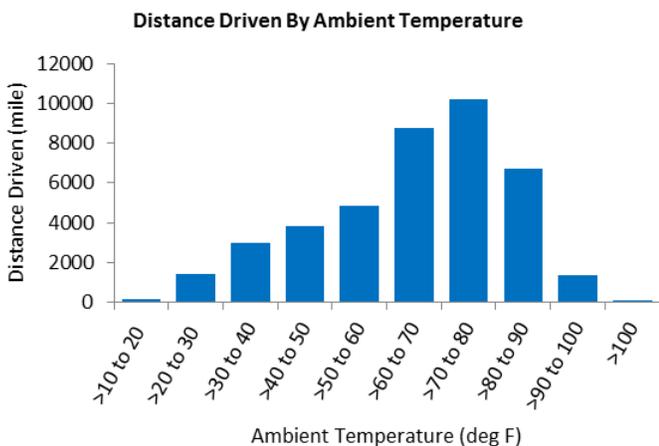
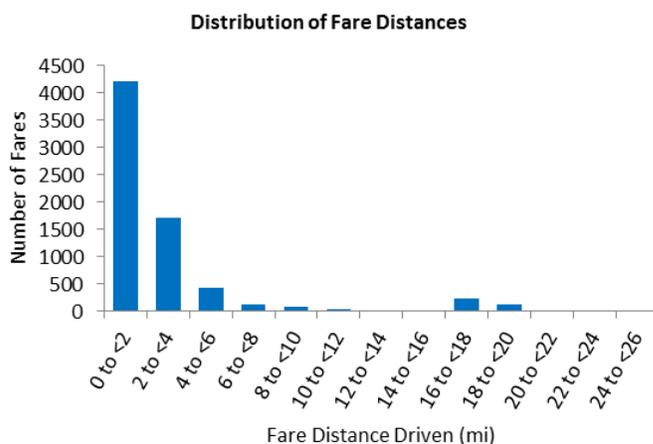
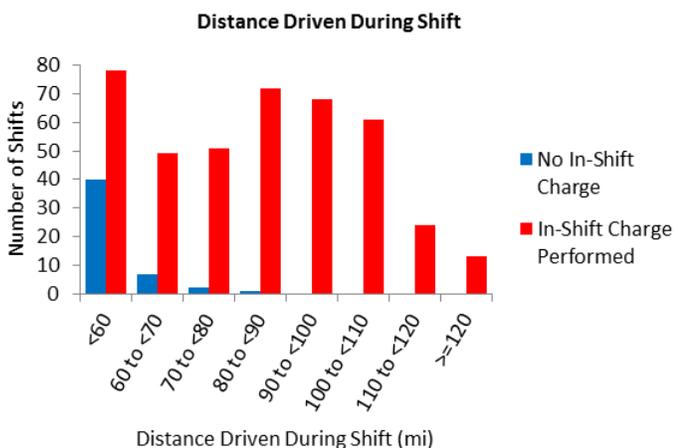
Data Collection Period: June 2013 – February 2015

Driving Summary

Overall average electrical energy consumption (DC Wh/mi)	191
Average energy consumption in-fare out-of-fare (DC Wh/mi)	193 187
Total distance driven in Shift (mi)	36275
Total distance driven out of shift (mi)	4271
Total Number of Shifts	452
Average number of fares per shift	15.5
Average distance driven per shift [in-fare out-of-fare] (mi)	80 [45 35]
Average ambient temperature (deg F)	64



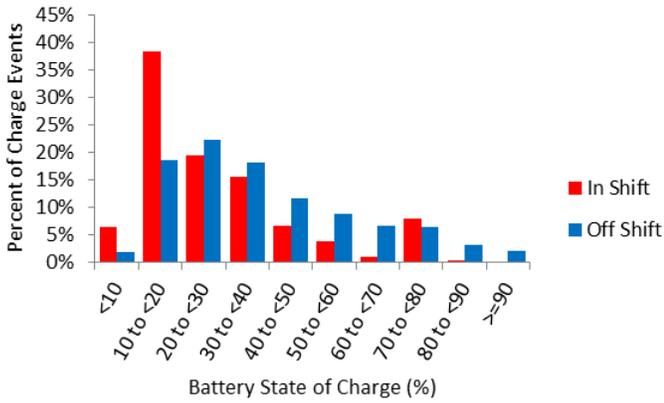
Photo Credit: Nissan



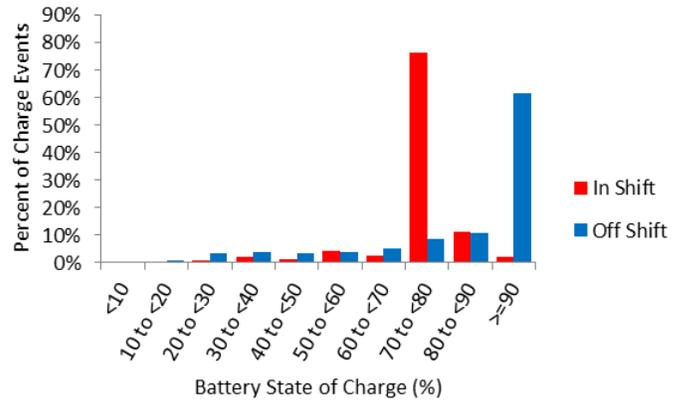
Charging Summary

Average number of off-shift charges per shift	1.5
Average off-shift charge length (hour)	2.6
Average off-shift charge energy (DC kWh)	9.1
Average number of in-shift charges per shift	1.2
Average in-shift charge length (minute)	34
Average in-shift charge energy (DC kWh)	10.8

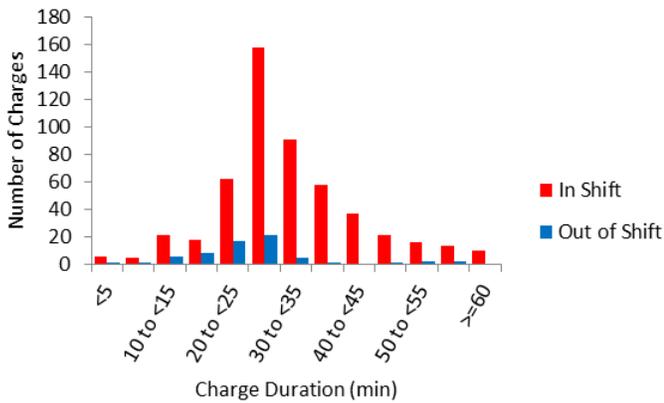
Battery SOC at Charge Start



Battery SOC at Charge End



Duration of DC Fast Charges



Duration of AC Level 2 Charges

