

USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area

Reporting period: September 2011

Number of Vehicles: 5

Number of vehicle days driven: 26

All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	446
Overall AC electrical energy consumption (AC Wh/mi) ¹ □	637
Average operating electricity cost (cents per mile) ² □	7.1
Total number of trips	1,729
Total distance traveled (mi)	518
Average Trip Distance (mi)	0.3

Stop & Go Trips (>5 stops/mile)

DC electrical energy consumption (DC Wh/mi)	470
Number of trips	1,610
Distance traveled (mi)	372
Percent of total distance traveled (%)	72%
Average Trip Distance (mi)	0.2
Average Driving Speed (mph)	5.2
Average Stops per mile	32.1
Percent of Regen Braking Energy Recovery (%)	13%

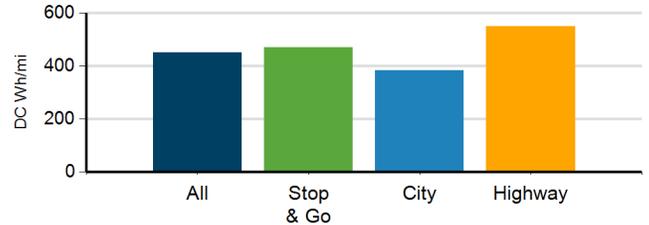
City Trips (≤ 5 stops/mile & <37 mph avg)

DC electrical energy consumption (DC Wh/mi)	383
Number of trips	114
Distance traveled (mi)	144
Percent of total distance traveled (%)	28%
Average Trip Distance (mi)	1.3
Average Driving Speed (mph)	18.3
Average Stops per mile	3.8
Percent of Regen Braking Energy Recovery (%)	16%

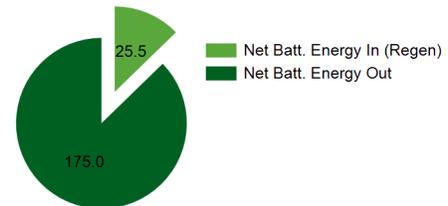
Highway Trips (≤ 5 stops/mile & ≥ 37 mph avg)

DC electrical energy consumption (DC Wh/mi)	549
Number of trips	5
Distance traveled (mi)	2
Percent of total distance traveled (%)	0%
Average Trip Distance (mi)	0.4
Average Driving Speed (mph)	40.1
Average Stops per mile	2.6
Percent of Regen Braking Energy Recovery (%)	6%

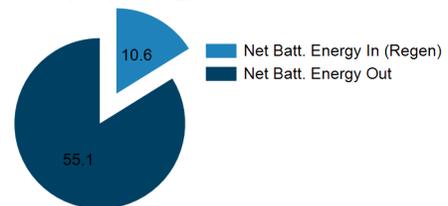
USPS eLLV Energy Consumption



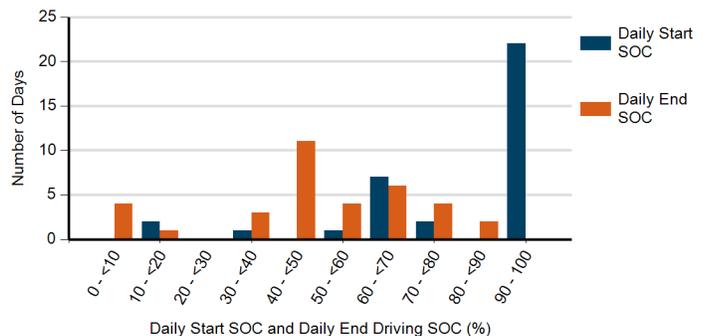
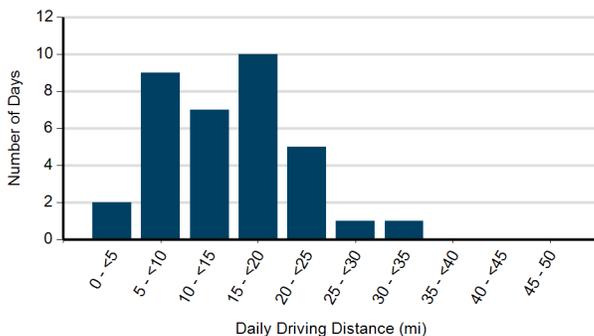
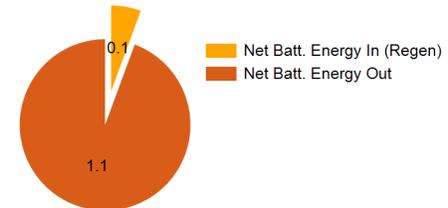
Stop & Go Trips Energy (kWh)



City Trips Energy (kWh)



Highway Trips Energy (kWh)



1. Calculation based upon average of the vehicles' roundtrip charging efficiency (70%)

2. From www.eia.gov, the national average cost of electricity is \$ 0.112 per AC kWh. The gasoline powered LLV fleet averages 10 mpg.

NOTE: A trip is defined as all vehicle operation between key on and key off