

USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area

Reporting period: May 2011

Number of Vehicles: 5

Number of vehicle days driven: 50

All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	504
Overall AC electrical energy consumption (AC Wh/mi) ¹	719
Average operating electricity cost (cents per mile) ²	8.1
Total number of trips	1,401
Total distance traveled (mi)	719
Average Trip Distance (mi)	0.5

Stop & Go Trips (>5 stops/mile)

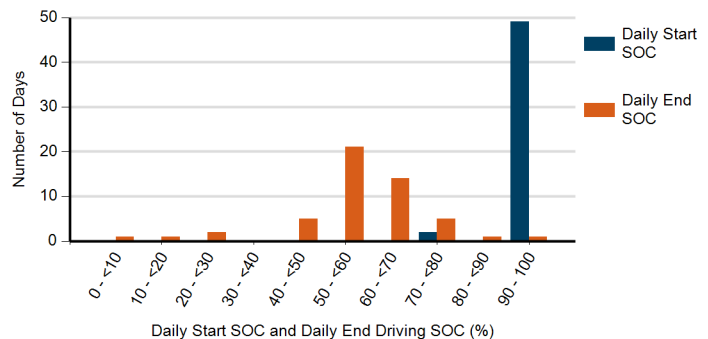
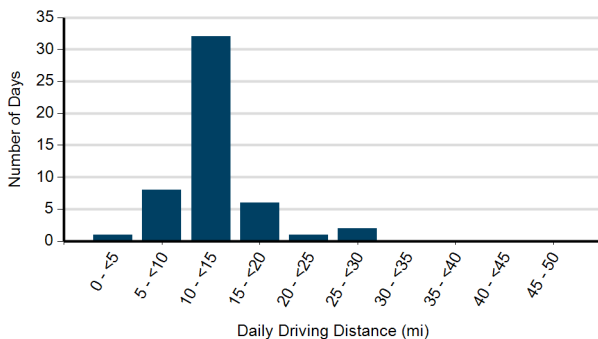
DC electrical energy consumption (DC Wh/mi)	530
Number of trips	1,308
Distance traveled (mi)	495
Percent of total distance traveled (%)	69%
Average Trip Distance (mi)	0.4
Average Driving Speed (mph)	5.6
Average Stops per mile	31.4
Percent of Regen Braking Energy Recovery (%)	15%

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

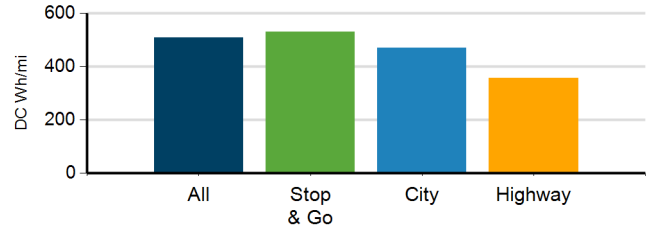
DC electrical energy consumption (DC Wh/mi)	471
Number of trips	91
Distance traveled (mi)	175
Percent of total distance traveled (%)	24%
Average Trip Distance (mi)	1.9
Average Driving Speed (mph)	16.6
Average Stops per mile	3.8
Percent of Regen Braking Energy Recovery (%)	13%

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

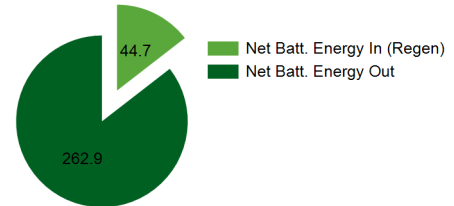
DC electrical energy consumption (DC Wh/mi)	357
Number of trips	2
Distance traveled (mi)	49
Percent of total distance traveled (%)	7%
Average Trip Distance (mi)	24.7
Average Driving Speed (mph)	41.3
Average Stops per mile	1.2
Percent of Regen Braking Energy Recovery (%)	8%



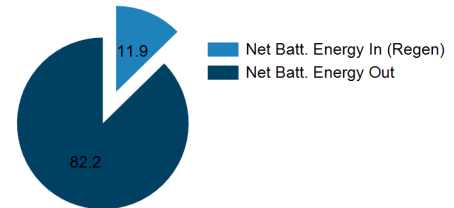
USPS eLLV Energy Consumption



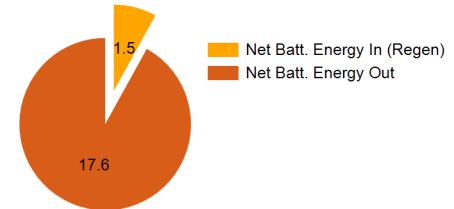
Stop & Go Trips Energy (kWh)



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 kWhr. The gasoline powered LLV fleet averages 10 mpg.

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