

USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area

Reporting period: August 2011

Number of Vehicles: 5

Number of vehicle days driven: 25

All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	455
Overall AC electrical energy consumption (AC Wh/mi) ¹	650
Average operating electricity cost (cents per mile) ²	7.3
Total number of trips	2,415
Total distance traveled (mi)	566
Average Trip Distance (mi)	0.2

Stop & Go Trips (>5 stops/mile)

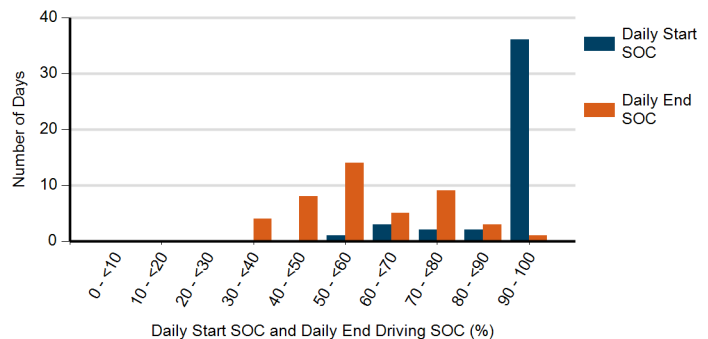
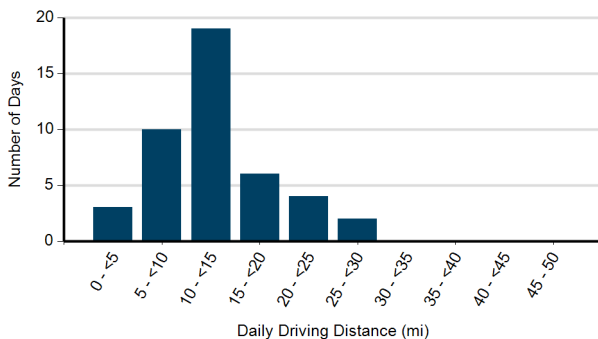
DC electrical energy consumption (DC Wh/mi)	467
Number of trips	2,247
Distance traveled (mi)	428
Percent of total distance traveled (%)	76%
Average Trip Distance (mi)	0.2
Average Driving Speed (mph)	5.3
Average Stops per mile	32.3
Percent of Regen Braking Energy Recovery (%)	15%

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

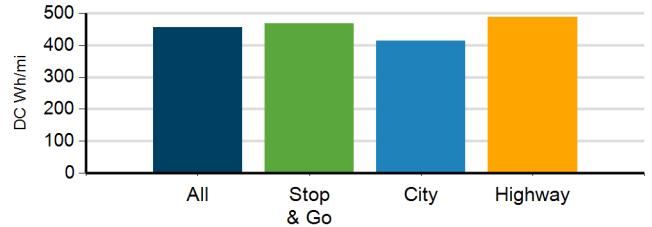
DC electrical energy consumption (DC Wh/mi)	414
Number of trips	152
Distance traveled (mi)	131
Percent of total distance traveled (%)	23%
Average Trip Distance (mi)	0.9
Average Driving Speed (mph)	17.2
Average Stops per mile	3.8
Percent of Regen Braking Energy Recovery (%)	13%

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

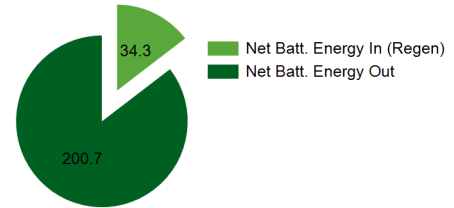
DC electrical energy consumption (DC Wh/mi)	487
Number of trips	16
Distance traveled (mi)	8
Percent of total distance traveled (%)	1%
Average Trip Distance (mi)	0.5
Average Driving Speed (mph)	40.8
Average Stops per mile	3.2
Percent of Regen Braking Energy Recovery (%)	2%



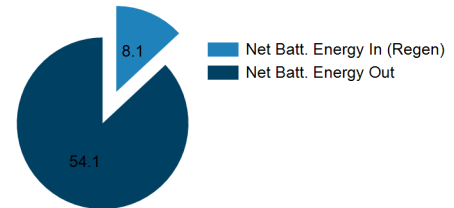
USPS eLLV Energy Consumption



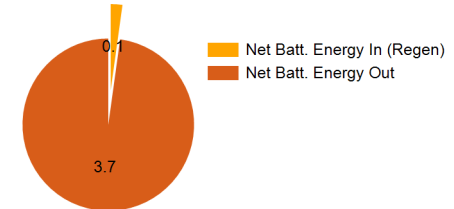
Stop & Go Trips Energy (kWh)



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