

## USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area

Reporting period: November 2011

Number of Vehicles: 5

Number of vehicle days driven: 2

### All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	525
Overall AC electrical energy consumption (AC Wh/mi) <sup>1</sup>	750
Average operating electricity cost (cents per mile) <sup>2</sup>	8.4
Total number of trips	104
Total distance traveled (mi)	30
Average Trip Distance (mi)	0.3

### Stop & Go Trips (>5 stops/mile)

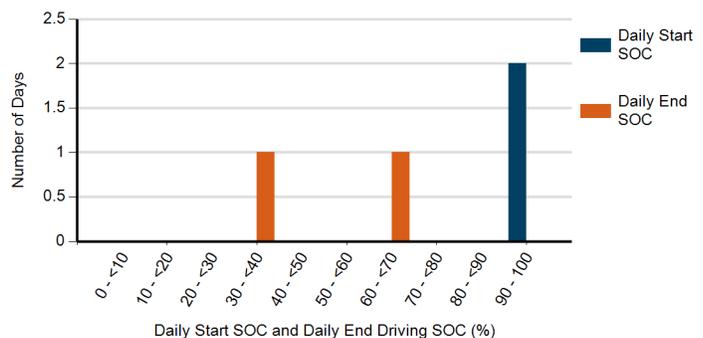
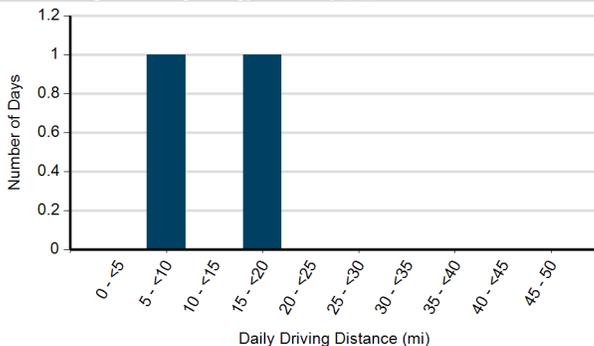
DC electrical energy consumption (DC Wh/mi)	613
Number of trips	89
Distance traveled (mi)	9
Percent of total distance traveled (%)	30%
Average Trip Distance (mi)	0.1
Average Driving Speed (mph)	7.0
Average Stops per mile	44.5
Percent of Regen Braking Energy Recovery (%)	9%

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

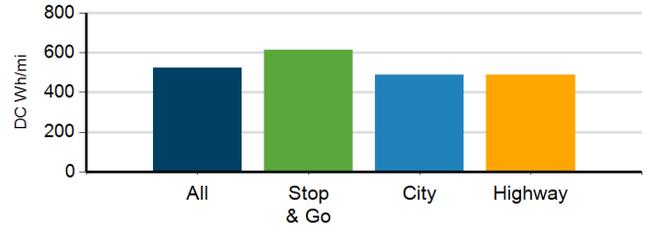
DC electrical energy consumption (DC Wh/mi)	487
Number of trips	8
Distance traveled (mi)	5
Percent of total distance traveled (%)	16%
Average Trip Distance (mi)	0.6
Average Driving Speed (mph)	25.0
Average Stops per mile	3.8
Percent of Regen Braking Energy Recovery (%)	6%

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

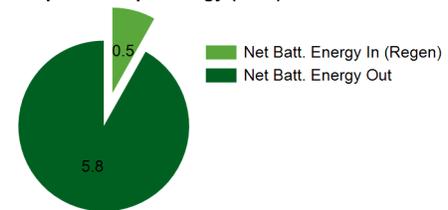
DC electrical energy consumption (DC Wh/mi)	487
Number of trips	7
Distance traveled (mi)	16
Percent of total distance traveled (%)	54%
Average Trip Distance (mi)	2.3
Average Driving Speed (mph)	55.3
Average Stops per mile	2.2
Percent of Regen Braking Energy Recovery (%)	0%



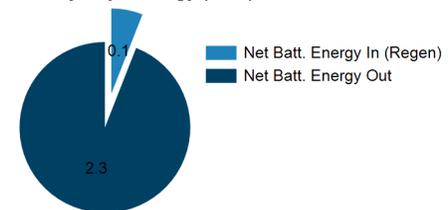
USPS eLLV Energy Consumption



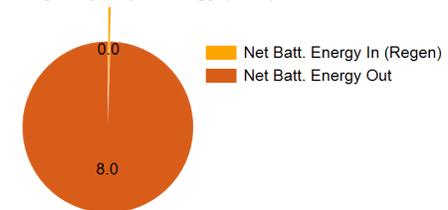
Stop & Go Trips Energy (kWh)



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