

USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area
Reporting period: June 2011

Number of Vehicles: 5
Number of vehicle days driven: 27

All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	452
Overall AC electrical energy consumption (AC Wh/mi) ¹	646
Average operating electricity cost (cents per mile) ²	7.2
Total number of trips	639
Total distance traveled (mi)	394
Average Trip Distance (mi)	0.6

Stop & Go Trips (>5 stops/mile)

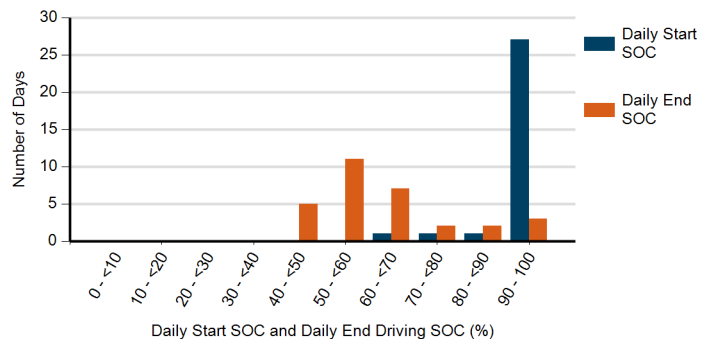
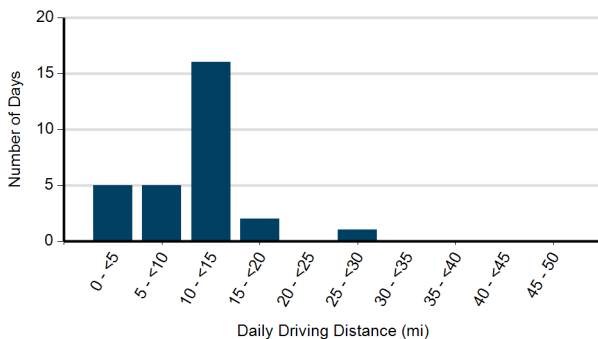
DC electrical energy consumption (DC Wh/mi)	505
Number of trips	601
Distance traveled (mi)	245
Percent of total distance traveled (%)	62%
Average Trip Distance (mi)	0.4
Average Driving Speed (mph)	5.4
Average Stops per mile	34.8
Percent of Regen Braking Energy Recovery (%)	15%

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

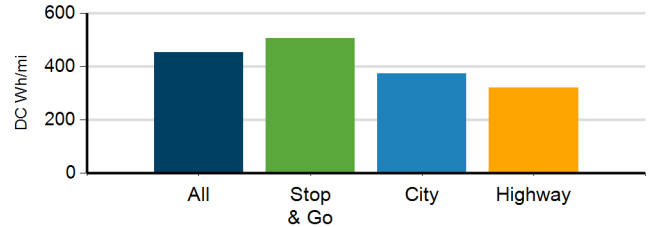
DC electrical energy consumption (DC Wh/mi)	373
Number of trips	35
Distance traveled (mi)	124
Percent of total distance traveled (%)	31%
Average Trip Distance (mi)	3.5
Average Driving Speed (mph)	23.0
Average Stops per mile	3.7
Percent of Regen Braking Energy Recovery (%)	13%

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

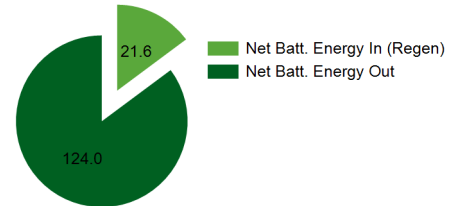
DC electrical energy consumption (DC Wh/mi)	319
Number of trips	3
Distance traveled (mi)	25
Percent of total distance traveled (%)	6%
Average Trip Distance (mi)	8.5
Average Driving Speed (mph)	39.5
Average Stops per mile	3.3
Percent of Regen Braking Energy Recovery (%)	10%



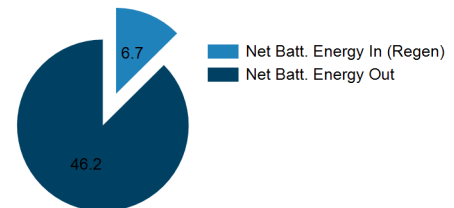
USPS eLLV Energy Consumption



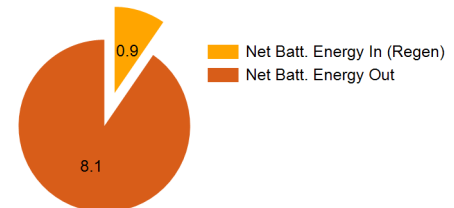
Stop & Go Trips Energy (kWh)



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