

USPS eLLV Conversion Fleet

Fleet Location: Washington D.C Metro Area

Reporting period: October 2011

Number of Vehicles: 5

Number of vehicle days driven: 7

All Trips Combined

Overall DC electrical energy consumption (DC Wh/mi)	460
Overall AC electrical energy consumption (AC Wh/mi) ¹	658
Average operating electricity cost (cents per mile) ²	7.4
Total number of trips	426
Total distance traveled (mi)	202
Average Trip Distance (mi)	0.5

Stop & Go Trips (>5 stops/mile)

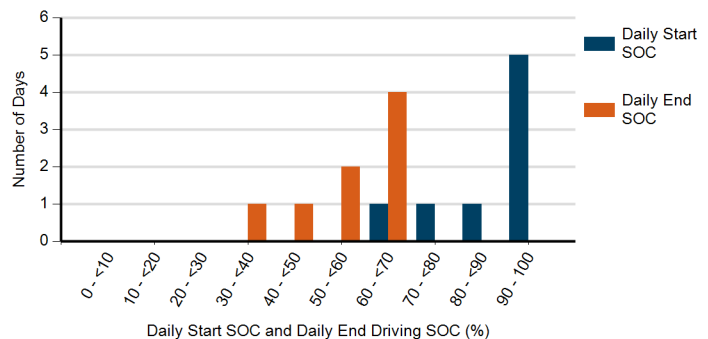
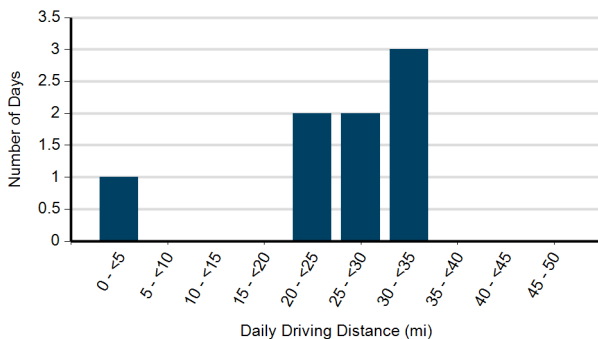
DC electrical energy consumption (DC Wh/mi)	474
Number of trips	399
Distance traveled (mi)	148
Percent of total distance traveled (%)	73%
Average Trip Distance (mi)	0.4
Average Driving Speed (mph)	6.3
Average Stops per mile	35.5
Percent of Regen Braking Energy Recovery (%)	11%

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

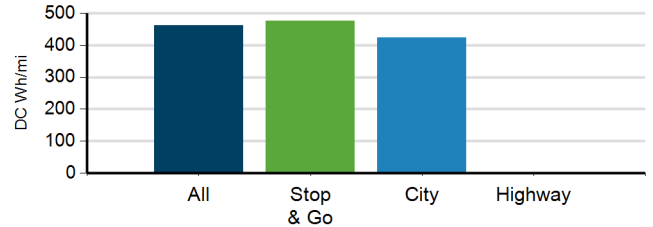
DC electrical energy consumption (DC Wh/mi)	423
Number of trips	27
Distance traveled (mi)	54
Percent of total distance traveled (%)	27%
Average Trip Distance (mi)	2.0
Average Driving Speed (mph)	20.7
Average Stops per mile	3.5
Percent of Regen Braking Energy Recovery (%)	15%

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

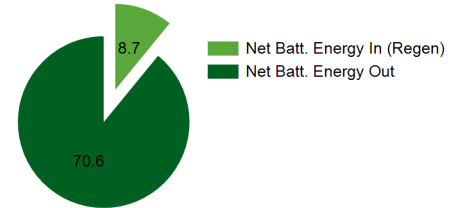
DC electrical energy consumption (DC Wh/mi)	0
Number of trips	0
Distance traveled (mi)	0
Percent of total distance traveled (%)	0%
Average Trip Distance (mi)	0.0
Average Driving Speed (mph)	0.0
Average Stops per mile	0.0
Percent of Regen Braking Energy Recovery (%)	0%



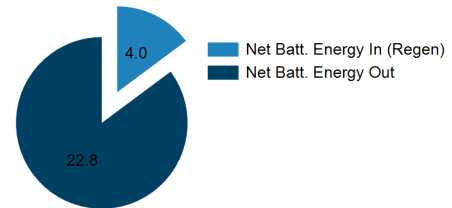
USPS eLLV Energy Consumption



Stop & Go Trips Energy (kWh)



City 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