MCDOT
Streetlights Program

Pedestrian, Bicycle, Traffic Safety

Advisory Committee

July 11, 2013

Objectives

- Brief Program Overview
- Technology
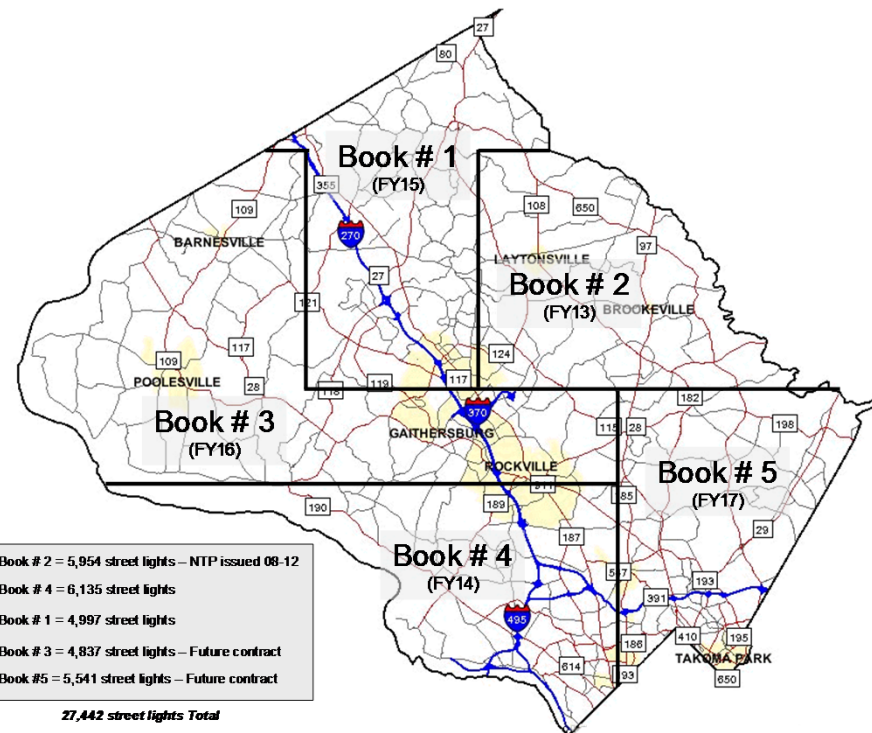- Challenges

Program Overview

- Nearly 70,000 Streetlights in the County
- Maintenance/Operations
  - Relamping/Servicing
  - Knowckdowns
  - Energy
- Expansions/Upgrades
  - Small Scale Installations
  - Large Scale Installations
  - Lifecycle Replacements
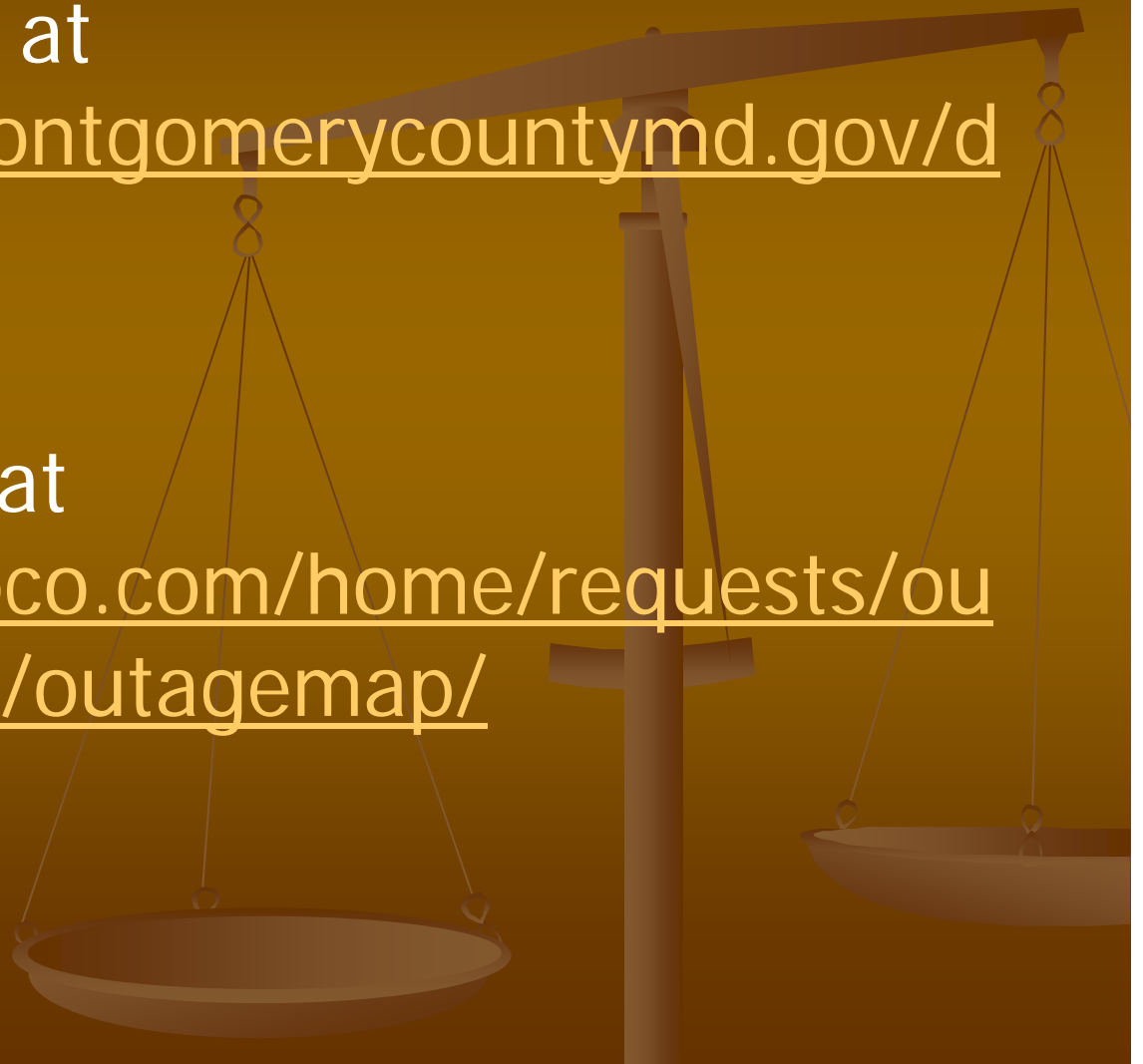
Maintenance – Servicing/ Relamping

- Scope
- Zones
- Schedule

Street Light Relamping Zones *"Books"* Program Map FY 13
Does not include street lights on utility poles

Book # 1 (FY15)

Book # 2 (FY13)

Book # 3 (FY16)

Book # 4 (FY14)

Book # 5 (FY17)

FY 13 – Book # 2 = 5,954 street lights – NTP issued 08-12

FY 14 – Book # 4 = 6,135 street lights

FY 15 – Book # 1 = 4,997 street lights

FY 16 – Book # 3 = 4,837 street lights – Future contract

FY 17 – Book #5 = 5,541 street lights – Future contract

27,442 street lights Total

TEOS - 1

Maintenance - Reporting Issues

- County Website at http://www2.montgomerycountymd.gov/dot-streetlight/

- MC311

- PEPCO website at http://www.pepco.com/home/requests/outage/streetLight/outagemap/

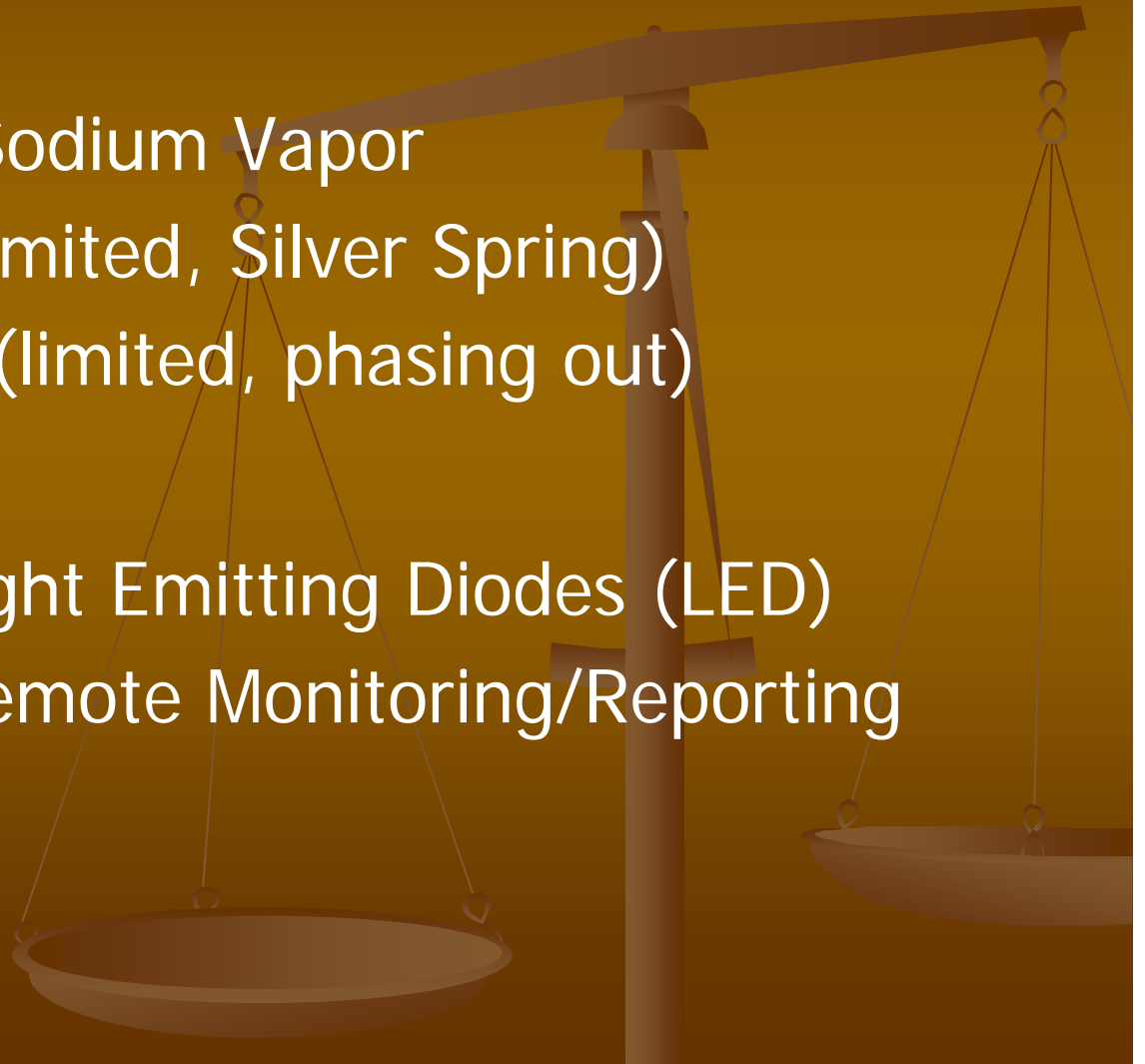# Technologies

- Current
  - High Pressure Sodium Vapor
  - Metal Halide (Limited, Silver Spring)
  - Mercury Vapor (limited, phasing out)
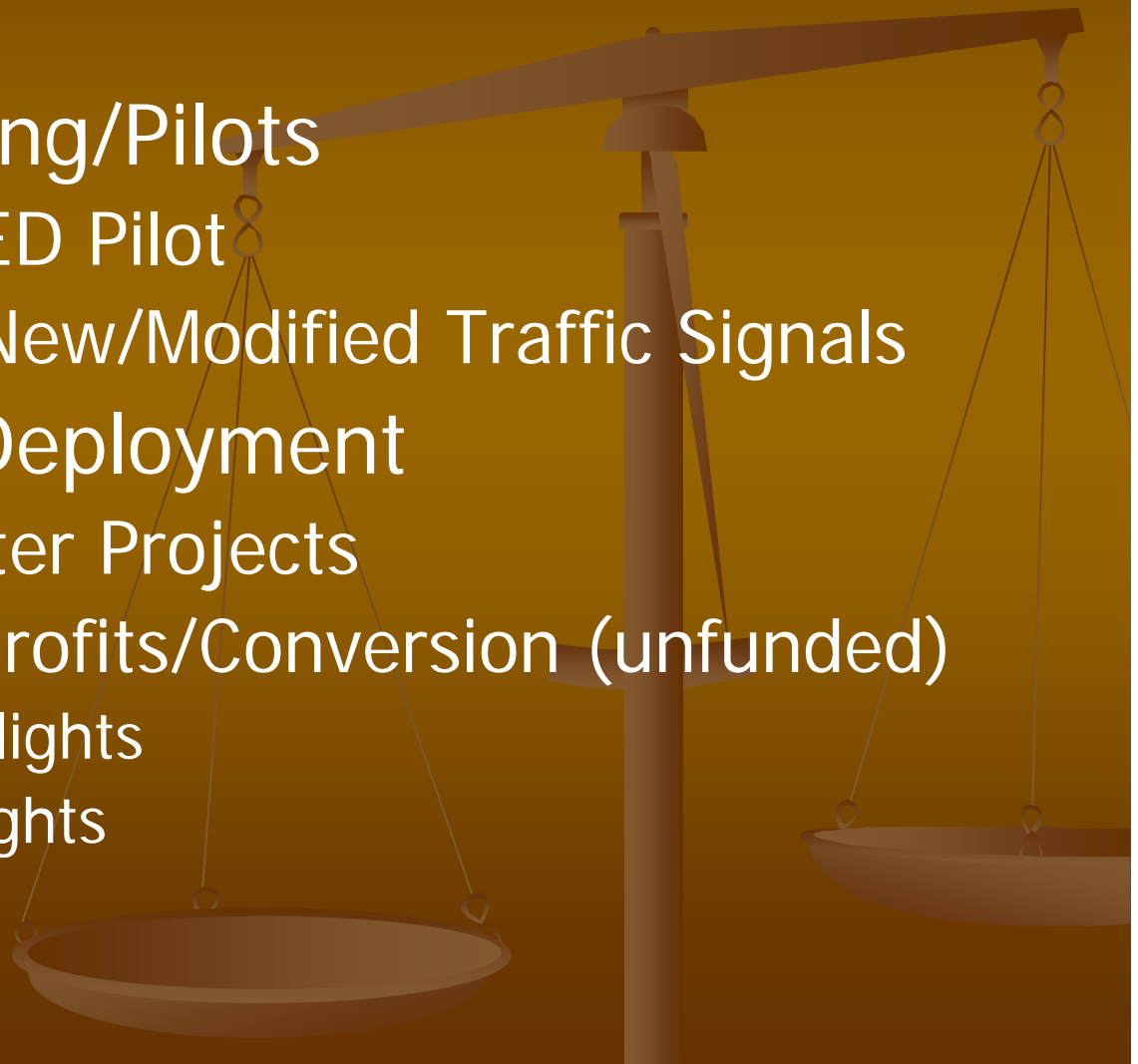- Future
  - Near Term – Light Emitting Diodes (LED)
  - Long Term – Remote Monitoring/Reporting

LED Implementation

- LED Tarriff
- Initial LED Testing/Pilots
  - Fernwood Dr LED Pilot
  - LED Lights for New/Modified Traffic Signals
- Full Scale LED Deployment
  - CBD/Town Center Projects
  - Countywide Retrofits/Conversion (unfunded)
    - County owned lights
    - Utility owned lights

Challenges

- Contracts for LED materials/services
- PEPCO LED CAIC pending
- Funding availability for LED upgrades
- Other unrelated to LED
  - Underground direct-bury cable
  - Reliance on residents to report outages
  - Dark sky friendly & light trespass issues