



# STREETLIGHTS

Informational Update  
Revitalization Committee

Wayne A. Kotter, P.E., CCM  
Director, Utilities Design and Construction Division, DPWES

April 3, 2018

# Agenda

- ▶ Status update - negotiations with Dominion Energy
- ▶ Status update - future streetlight ownership options
- ▶ Smart Cities & Streetlights



# Status of Negotiations with Dominion

## LED Conversions

- ▶ NVRC and Board support
- ▶ New and improved terms
  - ▶ LED pricing
  - ▶ LED selections (basic and premium)
- ▶ Items under discussion
  - ▶ Pricing
  - ▶ Fixture Selections
  - ▶ Equivalency HPS/MV to LED
  - ▶ Smart technology
  - ▶ Recent legislation
  - ▶ Service levels
  - ▶ Shorter lock-in period
- ▶ Next steps
  - ▶ Finalize terms with DE
  - ▶ Conversion strategy



# Dominion Proposed Basic LED Offerings 1/1/18



Cobra



Area (Open Vertical)



Directional (Flood)



Shoebox



Decorative Shoebox



Suburban



Traditional Colonial



Traditional/Eagle



Cut-off Colonial



Contemporary



Acorn



Decorative Spire



Cut-off Acorn



Octagonal Lantern



Octagonal Lantern/Cutoff



Round Lantern/Spire



Round Lantern/Ball



Round Lantern/Cutoff



# Dominion Revised Basic LED Offerings 3/26/18



Cobra



Area (Open Vertical)



Directional (Flood)



Shoebox



Decorative Shoebox



Suburban



Traditional Colonial



Traditional/Eagle



Cut-off Colonial



Contemporary



Acorn



Decorative Spire



Cut-off Acorn



Octagonal Lantern



Octagonal Lantern/Cutoff



Round Lantern/Spire



Round Lantern/Ball



Round Lantern/Cutoff



# Dominion Proposed Premium LED Offerings



Carlyle  
Acorn



Clear  
Decorative  
Acorn



Octagonal  
Lantern/Crown



Decorative  
Colonial



Decorative  
Colonial/Eagle



-----Decorative Spire/Eagle with options-----



# Future ownership options

## Evaluate Options

- ▶ Consultant Study
- ▶ Review pros and cons
  - ▶ Cost and revenue
  - ▶ Service levels
  - ▶ Smart cities features (piece of ready real estate for agile deployment)
- ▶ Benchmark other jurisdictions
- ▶ Recommendations back to Board in the fall



# Smart Cities

## Evaluation

- ▶ Evaluate technologies and needs
  - ▶ Smart lights
  - ▶ Communication (WiFi, small cellular, 5G)
  - ▶ Smart city sensors - (environ, transp, public safety, parking, displays, advertising ....)
- ▶ Discussions with Dominion
- ▶ Possible pilot project





Thank You  
Wayne Kotter  
DPWES / CAP / UDCCD  
703-324-5612

