

STREETLIGHTS

Informational Update Revitalization Committee

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Agenda

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



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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)



Suburban

Spire



Traditional Colonial

Cut-off Acorn



Lantern

Octagonal Octagonal

Lantern/Cutoff



Cut-off Colonial

Round Lantern/Spire



Round Lantern/Cutoff





Shoebox

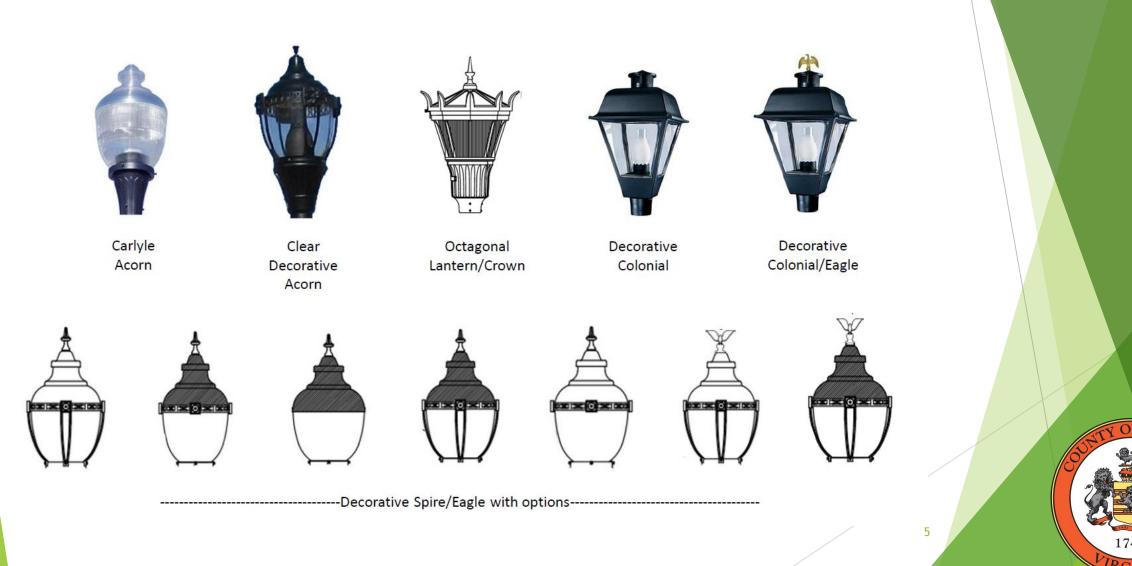




Contemporary



Dominion Proposed Premium LED Offerings 1/1/18



Dominion Revised Basic LED Offerings 3/26/18





Area (Open Vertical)



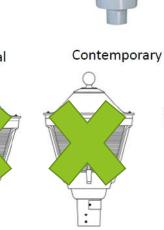
Directional (Flood)



Shoebox

Decorative Shoebox





Lantern/Ball





Lantern/Cutoff

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Suburban

Decorative

Spire

Acorn



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

Sensors

-Monitoring cities' environment -Noise sensor -Air pollution detector -Temperature / Humidity sensor -Brightness sensor -Monitoring municipal buildings

Video Monitoring

-Security monitoring -Vehicle monitoring

-Special populations Monitoring

RFID

-Manhole Monitoring -Community security monitoring -Municipal facilities monitoring



Emergency call

 Field contact with the monitoring center
 Active broadcast from the monitoring center to field

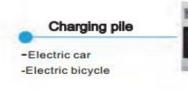
Intelligent Lighting

-Cellular cooling technology -Light distribution based on brightness -Intelligent single lamp / centralized -A variety of optional module design



Information Display

-Advertising -Political news -Information release







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

