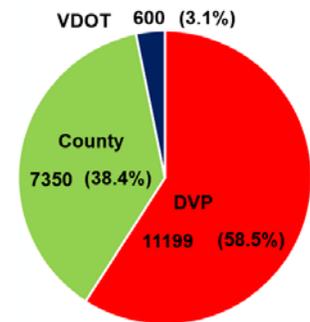


OVERVIEW: Arlington County Streetlight Districting

August 2017

Background

Arlington County streets are illuminated with approximately 19,000 streetlights owned by the County, Dominion Energy (DE), and Virginia Department of Transportation (VDOT). This mix has resulted in multiple streetlights with different owners on the same block. Since this results in major operational and maintenance challenge, staff are proposing to have a clear ownership districting for streetlights owned by DE or County.



Criteria for Districting

- **Streetlight foot print:** The draft districting is based on the existing footprint where one entity has more streetlights in the given area.
- **Land use and primary corridors:** The higher density areas and primary arterial corridors that have higher number of vehicles, pedestrians and cyclists are demarcated to be a County district for better operational control.
- **Neighborhood boundaries:** An entire Civic Association may be in the same district provided that cost to change the ownership is not expected to be prohibitive.

Benefits of Districting

- **Clear problem reporting:** Staff can immediately identify ownership based on the location; and route the work order request to appropriate owner and provide more staff time for actual repairs.
- **Improved maintenance:** An owner can repair its streetlights without inadvertently damaging other entity's streetlight infrastructure as it occurs in limited right-of-way environment. This freedom and aforementioned problem routing will ultimately result in better customer service.
- **Streamlined planning:** Owner entities can plan and schedule routine repairs, technology upgrade, and testing independently without having to coordinate with the other entities.
- **Clear guidance to designers:** Project designers, site plan and county projects alike, can look at the districting map and design projects based of the ownership and the light type offered by that entity.
- **Visual aesthetics.** A single owner on a given street or corridor may yield a uniform streetlight infrastructure type and thus provide uniform visual aesthetics.

Challenges of Districting

- **Planning and prioritizing:** Due to size of mixed inventory, it will take significant effort to plan and prioritize the projects.
- **Cost:** There is cost associated with ownership transfer.
- Unknown factors.