



General City of Winter Park Street Lighting Policy

The City of Winter Park (CWP) is responsible for providing and maintaining lighting fixtures, conduits, conductors, lamps, and related lighting controls. The CWP is responsible for all connections to the CWP distribution electrical and conduit systems. Wood, concrete and decorative street poles used for street lighting must be installed, maintained and owned by the CWP.

CWP policy will determine and/or approve street lighting minimum requirement to establish standard illumination. All improvements, modifications and conversion projects to existing lighting assets will be subjected to available funding in the fiscal budget. CWP policy does not replace or supersede existing CWP regulations or ordinances. However, this policy does replace all former street lighting policies. All street lighting installations will be required to conform to this policy except for existing installations prior to June 5, 2025.

Purpose

CWP purpose is to establish a set of rules with which to regulate the installation, operation and maintenance of street lighting in the CWP. The CWP seeks to make provisions for street lighting that will be beneficial to CWP residents, and to our commercial customers. To provide for this lighting in an orderly, efficient and equitable manner to protect humans, animals, and the natural environment from the opposing effects of night lighting from artificial sources. This section serves to establish a uniform standard for location of lights within the CWP electrical distribution territory/jurisdiction.

CWP Street Lighting Requirements

All lighting standards, fixtures and lamp sources shall be established in agreement with specifications determined by the CWP Electric Utility Department, in accordance with the latest revision of the Illumination Engineering Society's "American National Standard for Roadway Lighting". This includes residential streets and commercial streets in non-residential areas. All lighting standards in the public right-of-way (ROW) will be installed and maintained by the CWP unless otherwise approved by the CWP Electric Utility Department.

1. All newly installed, modified or replaced lighting fixtures shall be light emitting diodes (LED) unless approved by the CWP.
2. Newly designed and constructed residential street lighting or decorative street lighting shall be installed on a 16 foot (12 feet above grade) direct buried decorative pole. The street light fixture shall be an Acorn style 36-watt 3900 lumen 3000K or equivalent Dark Sky fixture. Residential streetlights shall be positioned near

intersections and spaced not to exceed 200 feet where applicable to achieve luminescent uniformity. Single-family residential customers using 4,500 lumens or more shall be full-cutoff luminaries with house side shields, if deemed appropriate by CWP.

3. Newly designed and constructed commercial street lighting in the ROW using LED tear drop fixtures shall be installed on a 23-foot aluminum alloy pole attached to a base. Commercial street lighting shall be positioned at intersections and mid-block with spaced not to exceed 300 feet where applicable to achieve luminescent uniformity. The street light fixture shall be 112 Watt 10,000 Lumens and 4000K cool white light or equivalent dark sky fixture. Decorative street lighting within commercial zones shall be Acorn style 36-watt 3900 lumen 3000K or equivalent Dark Sky fixture.
4. Newly designed and constructed commercial or residential (subdivision) projects will require a photometric study and street light design submitted to CWP for permit approval prior to construction. These projects include but are not limited to parking lots, residential or commercial developments installing street or area lighting. The cost and functions associated with design and construction of lighting assets are the responsibility of the owner and/or developer managing the project.
5. Private area customer lighting requests are paid by the requesting customer through a special assessment on their monthly electric bill. These charges include electric usage, construction, material acquisition and maintenance.

CWP Temporary and Special Lighting Exemptions

Temporary street light exemptions must be approved by CWP Electric Utility Department prior to installation. Temporary lighting is required but not limited to any public events or any special business events, construction sites etc.... The temporary lighting application shall include name, phone number, location and the duration of the event.

The CWP may wish to preserve the unique character or purpose of certain streets by designating them as "Special Lighting". A special lighting designation will allow alternative design or special funding methods toward the sharing or "partnering" of installation, maintenance and energy costs.

CWP Residential Decorative Street Lighting Process

The following process will be used by landowners and the CWP in upgrading light fixtures in a residential lighting district: Reference Streetlighting Process Flowchart.

1. Owners of two-thirds of the properties in a recognized district or combination of districts may petition the CWP to be considered for an assessment program to upgrade the lighting in their district(s). Upon receipt of this petition, the Electric Utility Department will prepare the cost for the assessment program per property including the installation, lighting fixtures, poles, conduit, wiring, and electric usage. The developer of a new subdivision may also petition the CWP for a lighting upgrade, which will be evaluated

under this policy and based on existing subdivisions or districts. However, installation costs in new subdivisions are required to be paid by the developer at the time of installation and will not be assessed to the individual lots.

NOTE: A petition form is available from the Electric Utility Department to assist the property owners in obtaining the necessary petition information.

2. The petition will include the following information and statements:
 - a. Identification of the district to include district number and lots or properties within the district (information available from the Electric Utility Department)
 - b. Request for a preferred lighting type from approved fixtures identified within this policy.
 - c. A statement indicating the individual signing a petition recognizes that there may be a cost increase borne by them through a special assessment program, if approved by the CWP.
 - d. Only Individuals or entities owning property within the designated district may sign the petition.
3. The Electric Utility Department will either recommend approval with conditions as necessary or reject the petition if it is deemed invalid or not suitable due to public health, safety or welfare reasons. The Electric Utility Department will review a petition to identify issues which may relate to public safety, health and welfare. The Electric Utility Department will determine if the requested lighting is reasonably compatible with the lighting in surrounding districts.
4. The Electric Utility Department will estimate the increase in costs associated with the installation of the upgraded lighting.
5. Implementation of the special assessment will comply with Chapter 170, Florida Statutes, or other applicable provisions of law.
6. Upon approval of the special assessment by the CWP, the costs to upgrade will be assessed to each property specially benefited, or by such other method as the CWP may prescribe. The Electric Utility Department will hold a coordination meeting to establish installation schedules and procedures.

Voting results

A minimum of 66.67% of the residents must participate in the vote (so if there are 30 parcels included, 20 must return the ballot to move forward with the process). If 66.67% are not received, the interested party will be contacted to let them know. Of the returned ballots, 66.67% or more must have voted "Yes" for the project to move forward. See "Streetlighting Process Flowchart".

Protection of Trees

Selection of lighting and pole type should be sensitive to trees and their canopies. Installation of lights should minimize impacts to such trees. Pole locations may be adjusted by the Electric Utility Department to provide maximum protection for trees and their root systems, if deemed necessary. Trees planted after a pole has been installed should meet code requirements in the landscaping code to avoid potential future conflicts.

Timing

The CWP will coordinate the installation of upgraded light fixtures with the imposition and levy of the special assessments. The assessment applied to a property will be for additional energy if applicable, construction and material costs associated with the upgraded street light conversion project. In accordance with light fixture and material availability, project scope and budgetary restraints, the project will then be placed in schedule for construction.

CWP Parking Areas and Highway Lighting Requirements

The following lighting types are acceptable for existing parking areas. New parking area lighting type requests shall be reviewed by the CWP Facility Department for compliance and approval.

A. Parking Area Lighting Fixture:

Cobra head fixture LED bulb (retrofit) 24-watts, 3,120 Lumens.

B. Standard Parking Areas Light Fixture:

Cobra head LED fixture, 142-watts, 21,000 lumens.

The following lighting types are acceptable for this policy on state roads: The CWP adheres to DOT state and federal lighting requirements.

A. State Road Lighting Fixture:

Cobra head fixture LED bulb (retrofit) 55-watts, 7,290 Lumens or equivalent LED tear drop head fixture.

B. State Road Lighting Fixture:

Cobra head LED fixture for highway, 142-watts, 20,000 Lumens or equivalent LED tear drop head fixtures.