



City of Rohnert Park

# Small Wireless Facility Standards



**SMALL WIRELESS FACILITY DESIGN STANDARDS  
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## **SMALL WIRELESS FACILITY DESIGN STANDARDS NON-CITY OWNED POLES**

### **GENERAL**

The purpose of the standards and specifications contained herein is to establish uniform standards for small wireless facilities on non-City owned poles on public streets in the City of Rohnert Park, installed after the date of adoption of these standards.

- A. These standards do not preclude the application of requirements to address site-specific conditions.
- B. Encroachment onto any City street, right-of-way, or public utility easement shall require an encroachment permit issued by the City of Rohnert Park.
- C. Small wireless facilities that co-locate on a non-City utility pole but with a City street light mast arm shall have their own power source.

### **DEFINITIONS**

**“CAMUTCD”** California Manual on Uniform Traffic Control Devices

**City Engineer** for the purposes of the Streetlight Standards, shall mean the City Engineer of the City of Rohnert Park.

**“C.F.R”** Code of Federal Regulations

**“CPUC”** California Public Utilities Commission

**.KMZ** is a file extension for a placemark file used by Google Earth.

**RF-EME Report** is a Radio Frequency – Electromagnetic Energy Compliance Report containing the following information:

- Antenna Inventory
- Site Plan with antenna locations
- Antenna inventory with relevant parameters for theoretical modeling
- Graphical representation of recommended signage and/or barriers

Primary use is to determine compliance with FCC regulations in terms of exposure limits, and/or if RF hazard mitigation measures are in place.

**Small Wireless Facility** has the definition set forth in 47 C.F.R. § 1.6002(l).

**“FCC”** Federal Communications Commission

### **FCC OET Bulletin 65**

“PG&E” Pacific Gas and Electric Company

General Order 95 is defined by the CPUC regarding overhead electric line construction

### **Small Wireless Facilities on Non-City Owned Pole Requirements**

#### **1. Design and Installation Requirements**

##### **A. GENERAL**

- a. All installations shall comply with City’s encroachment permit requirements, General Order 95, adopted codes, and shall meet all relevant state and federal regulations and rules. Applications submitted for an encroachment permit shall include following items:
  - RF-EME Report
  - Visual simulation of pole with feature
  - Encroachment permit application and documents associated with the application
- b. Maximum Height: New wireless communication facilities installed on a non-City owned pole in the Public Right of Way may add no more than 12 additional feet in height to the existing pole. Height limits may be exceeded only where pre-empted by state or federal law, including where necessary to avoid an effective prohibition on service.
- c. Wireless communication facilities installed on a non-City owned poles shall comply with all state and federal accessibility and clearance requirements and shall not conflict with requirements imposed under the California Manual on Uniform Traffic Control Devices. Wireless communication facilities on non-City owned poles shall not obstruct line-of-sight to any intersection, signage, other directional markings, or traffic control devices. The wireless communication facilities shall be placed in a location that would not cause any physical or visual obstruction to pedestrian or vehicular traffic, conflict with existing uses of the right-of-way, or pose safety hazards to pedestrians, bicyclists or motorists. In no case shall any pole-mounted wireless communication facilities be located within the space between ground level and 10 feet in height above sidewalks, and between ground level and 17 feet in height above streets on the street side of the pole.
- d. Proposed locations for all wireless communications facilities will not be permitted if they necessitate the removal or modification of existing City street trees beyond minor pruning.

- e. Antenna elements shall be mounted in compliance with General Order 95 separation requirements.
- f. Each antenna associated with a wireless communication facility on a non-City owned pole in the public rights-of-way shall not exceed six (6) cubic feet in volume, and no more than 16” in diameter. For the purposes in this Section f, “volume” shall include any shroud, radome or other concealment device used in connection with the antenna.
- g. All wireless communication facilities on a non-City owned pole shall be constructed and operated in such a manner as to comply with the stationary noise standards as specified in the City’s Noise Ordinance.
- h. All conduits, conduit attachments, cables, wires and other connectors within reach of the public must be properly and safely protected. The cumulative volume for all non-antenna accessory equipment associated with a wireless facility in the public rights-of-way shall not exceed twenty-eight (28) cubic feet, and the edge of the equipment furthest away from the pole shall not extend from the pole by more than 24 inches in any direction, to minimize impacts to the visual profile. For the purposes in this Section, “volume” shall include any shroud, cabinet, housing or other concealment device used in connection with the accessory equipment, but shall not include any equipment or other improvements installed below ground level or any cables or connectors placed within the pole or other support structure.
- i. All wireless communications facilities shall employ and maintain camouflage design or other screening techniques to minimize visual impacts, to the extent feasible. This includes minimizing use of visible external wiring and conduit, and placement of antennas and accessory equipment within enclosures where feasible.

E. Records

- a. As-built drawings in electronic format shall be submitted at project closeout
- b. A shape file compatible with mapping software shall be submitted along with the following attribute information prior to application approval:
  - i. “Points” file for locations points (with lat/long)
  - ii. Applicant name
  - iii. Pole number
  - iv. Pole Address
  - v. Pole Use (Power, Utility, etc)
  - vi. Pole material

- c. Photo of pole with devices installed (digital file identified by pole number)
- d. Any post-installation on-site installation RF emissions testing documentation performed (if any)