

**Type II Community Service Use Application for
Verizon Wireless' POR Kellogg CV
Communication Facility**

A Proposal Submitted to the City of Milwaukie

**Prepared for
Verizon Wireless**

**Prepared by
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CITY OF MILWAUKIE
PLANNING DEPARTMENT

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Verizon Wireless – POR Kellogg CV – Wireless Communication Facility
Type II Community Service Use (CSU) Application

I. PROPOSAL SUMMARY INFORMATION

Verizon Wireless No: POR Kellogg CV

Applicant: Verizon Wireless.
612 SW Alder St, Suite 710
Portland, Oregon 97205

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Property Owner: Shurgard Institutional Fund, LP
701 Western Avenue
Glendale, CA 91201

Request: Type II Community Service Use (CSU) Application review to
install replacement panel antennas onto an existing wireless
communication tower facility

Location: 3701 SE International Way
Milwaukie, OR 97222
Legal Description: 11E36AD06502

Zoning: (BI) Business Industrial

II. INTRODUCTION

Verizon Wireless is in the process of expanding and upgrading its wireless communication network to include LTE (Long Term Evolution) technology in Oregon and many other western states. LTE (also known as 4G) represents the latest generation in wireless telecommunication technology designed for the most advanced technologies of wireless devices, such as: smart phones with high speed data transfer, streaming videos and music, turn-by-turn navigation, GPS, email, web browsing, mobile apps, and video messaging, which are essential capabilities in the information age.

In order to keep up with the tremendous growth in wireless use and demand for services, Verizon Wireless is enhancing its existing network with LTE antenna and equipment upgrades to many of their existing facilities. The upgraded equipment is FCC licensed to transmit in the 700 MHz frequency range. The new equipment will be incorporated into Verizon Wireless existing facilities and will not result in additional towers. Once installed, customers and citizens will have improved access to the latest wireless services, including the latest in 4G (LTE) technology.

The proposed LTE upgrades are located on Verizon Wireless' existing wireless communication tower facility. Verizon Wireless currently has twelve (12) existing panel antennas (three sectors, four per sector) on the tower. This proposal will replace six (6) antennas on the tower. No new ground equipment or towers are proposed. Verizon Wireless is committed to providing the latest in quality wireless services to Milwaukie for years to come.

III. PROPOSAL DESCRIPTION

Site Description

The site is located on 3701 SE International Way, and zoned Business Industrial. The subject property is developed with a self-storage facility and an 80-foot tall wireless monopole facility near the northeast corner of the property (Exhibit A).

Proposal Description

Verizon Wireless' existing wireless facility consists of twelve (12) panel antennas mounted to the existing antenna array located at the top of the monopole. As illustrated in the attached drawings (Exhibit A), Verizon Wireless proposes to install six (6) replacement panel antennas next to their existing antennas at the same height on the tower. In addition to the replacement antennas, six (6) small diplexers will be installed behind each of the replacement antennas and additional lines of coax will be installed inside the existing monopole. Views of the diplexers will be obscured by the antennas and the existing antenna mounting hardware located 80 feet

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above the ground on the tower. The replacement antennas and diplexers will not increase the height of the tower and no new ground mounted equipment cabinets are proposed.

A detailed breakdown of the sizes of the existing and replacement antennas and diplexers is below:

Existing Antennas	Replacement Antennas
<u>6 existing antennas to remain:</u> <ul style="list-style-type: none"> • (6) – 70.9" x 11.8" x 5.1" 	<u>6 replacement antennas:</u> <ul style="list-style-type: none"> • (2) – 71" x 8" x 5.9" • (1) – 96" x 12.5" x 7.1" • (2) – 72.4" x 5.1" x 3.4" • (1) – 48.8" x 6.1" x 3.2"
<u>6 existing antennas to be removed:</u> <ul style="list-style-type: none"> • (4) – 72" x 5" x 4" • (2) – 63" x 5" x 4" 	<u>6 new diplexers:</u> <ul style="list-style-type: none"> • (6) – 7.85" x 6.85" x 2.13"

The additional antennas will enable the existing site to keep up with the tremendous growth in wireless use and demand for services. Once installed, customers and citizens will have improved access to the latest wireless services, including the latest in 4G (LTE) technology.

IV. REQUESTED LAND USE REVIEW

Verizon Wireless is requesting Type II Community Service Use approval to remove and replace panel antennas an existing wireless communication tower facility.

V. RESPONSE TO THE APPROVAL CRITERIA

The following paragraphs are a response the approval criteria per Milwaukie Municipal Code (MMC) Subsection 19.904.11 (Standards for WCFs).

19.904.11 Standards for Wireless Communication Facilities

C. Application Process

1. *Placement, construction, or modification of WCFs not involving the construction of a new monopole are subject to Section 19.1005 Type II Review, provided that the antennas and base equipment comply with the standards contained in this subsection. Also see Table 19.904.11.C.*

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Response: The applicant is requesting Type II CSU approval for the proposed antenna modifications to the existing WCF.

D. Application Submittal Requirements

In addition to the required submittal material the following must also be included with the application:

1. Applications for a WCF that will include a new monopole tower:

Response: Not applicable. No new towers are proposed as part of this application

2. WCF Not Including a New Tower

a. Detailed narrative description describing the proposed antenna location, design and height.

Response: This document is the narrative describing the antenna modification design.

b. Statement that antenna was placed so as to allow for placement of additional antennas on the same antenna support structure, to the extent practicable.

Response: The proposed replacement antennas will be attached to Verizon Wireless' existing antenna mounting hardware and will allow for the placement of addition antennas on the antenna support structure.

c. Documentation demonstrating the proposal has been submitted and approved by the owner of the structure to which the antenna will be attached.

Response: Not applicable. Verizon Wireless is the owner of the structure.

d. Document demonstrating that necessary applications, permits, agreements, and easements have been obtained.

Response: The applicant will acquire all the necessary permits to install the proposed antenna modifications, including this Type II CSU application.

e. For extensions to existing facilities the applicant shall provide documentation of FAA approval of the tower design or satisfactory evidence that FAA approval is not required. Satisfactory evidence that FAA approval is not required shall be an Aerospace Safety Analysis Corporation determination or similar evidence.

Response: Not applicable. Not extensions or increases in height are proposed as part of this application.

f. The site plan must include the elements listed on the site plan requirements and must also include, to the extent applicable:

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Response: The applicable information for the proposed antenna modifications to Verizon Wireless' existing wireless communication facility are included in the attached site plan and elevation drawings. No new ground equipment, utilities, curb cuts, easements, or lease areas are proposed as part of this application.

E. Use of Existing Tower or Antenna Support Structure

Response: Not applicable. The proposed antenna modifications are on an existing tower. No new towers are proposed as part of this application.

F. Location and Size Restrictions

Response: The proposed antenna modifications meet the location and size restrictions. No new towers or additional height is proposed as part of this application.

G. Development Standards for All WCFs

1. Setbacks and Equipment Cabinets

Response: Not applicable. No new ground mounted equipment cabinets are proposed as part of this application.

2. Ladder Rungs

Response: Not applicable. No new towers, ladder rungs or climbing pegs are proposed as part of this application.

3. Guy Anchorage and Lattice Towers

Response: No new guy anchorage or lattice towers are proposed as part of this application.

4. Lighting

Response: Not applicable. No new lighting is proposed as part of this application.

5. Noise

Response: Not applicable. No new noise generating equipment is proposed as part of this application.

6. Landscaping

Response: Not applicable. No new monopoles or ground equipment is proposed as part of this application.

7. Access Drives

Response: Not applicable. No new access drives are proposed to access the existing wireless communication facility.

8. Signage

Response: Not applicable. No new signage is proposed as part of this application.

9. Discontinued Use of and Removal of WCFs

Response: Verizon Wireless and its successors will comply with this requirement.

10. *Affirmative Duty to Keep City Informed*

Response: Verizon Wireless will continue to report to the Planning Director.

VI. CONCLUSION

Based on the foregoing analysis and findings, the applicant requests approval of the proposed Type II Community Service Use application. The application meets all applicable criteria for approval.

VII. EXHIBITS

- A. Site Plans & Elevations
- B. Photo Simulations
- C. Pre-Application Email