



Wireless Telecommunication Code Update



City Council Work Session

Will Lindsey, City Planner

08-23-22

1. Should wireless facilities be permitted on non-residential properties in residential zone districts?
2. Should certain City-owned properties be available for the siting of wireless telecommunication facilities?
3. Does Council support staff's recommendation for context-based standards to regulate facility design?

STRATEGIC OBJECTIVES

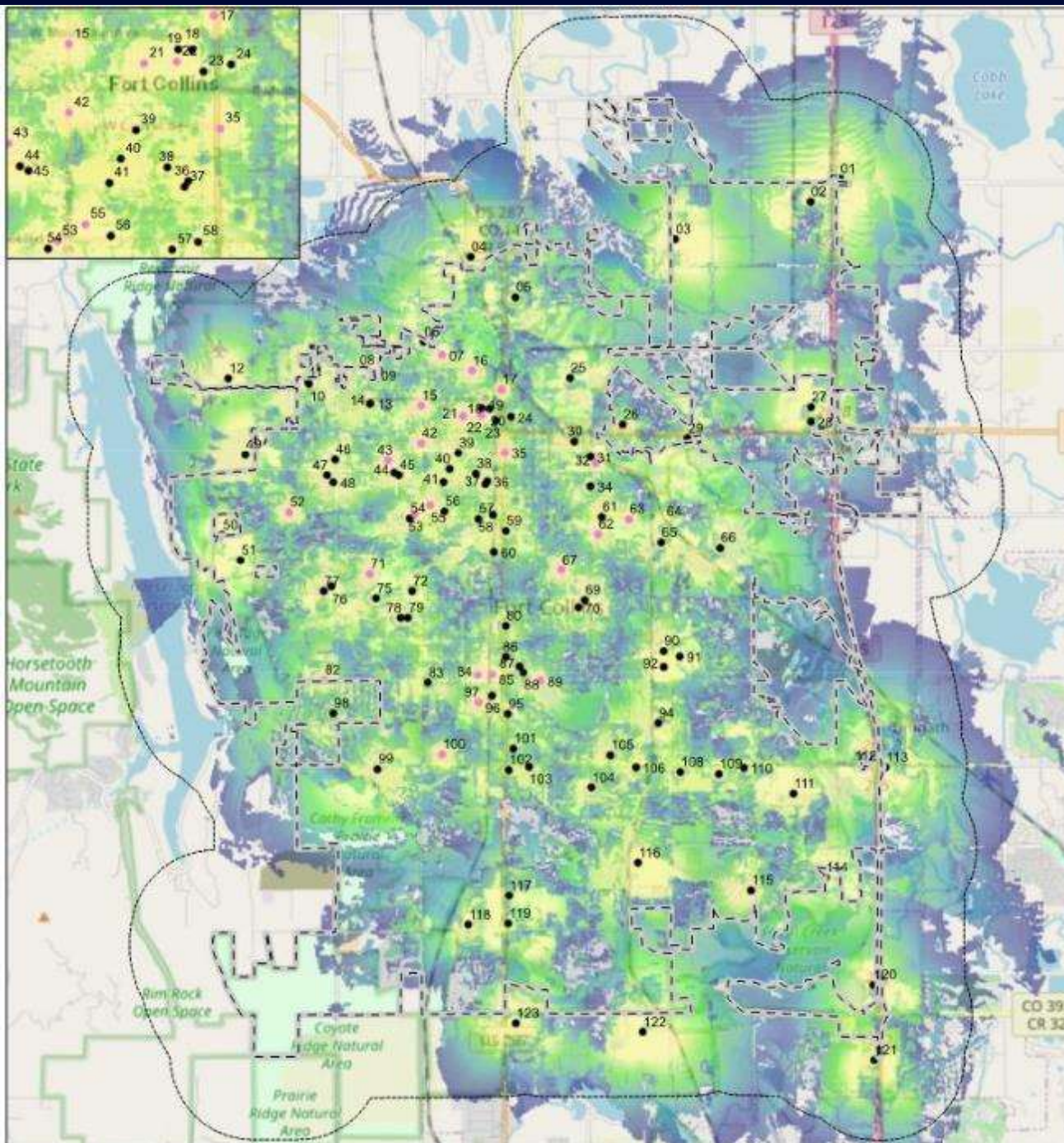
NLSH 1.6 – Protect and preserve quality of life in neighborhoods.
HPG 7.1 – Provide world-class municipal services to residents and businesses.

CITY PLAN

Safe Community SC-2b – Complete a Wireless Communications Plan and implement targeted Land Use Code amendments.

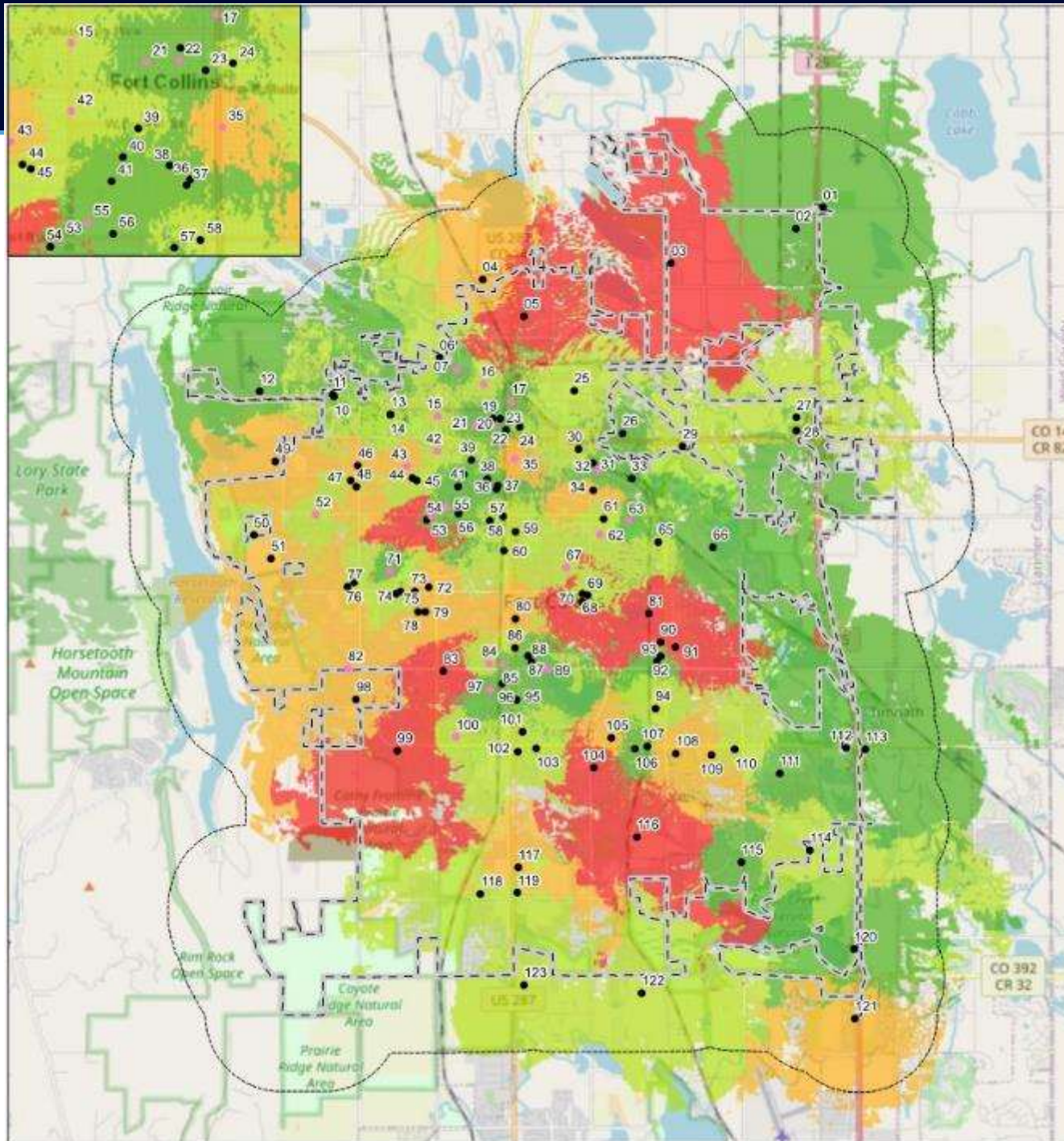
- City has more co-located equipment than free standing towers
- 13 out of 73 towers and base stations are multi provider facilities
- 60 are single provider sites

Color	Signal Strength	Signal Strength Description
Yellow	Superior	Strong enough to operate within most buildings
Green	Average	Strong enough to operate in vehicle but not inside most buildings
Blue	Acceptable	Strong enough to operate outside but not in a vehicle or building



Heat Capacity Map For A Single Provider

- Over ½ of the City is deficient in wireless coverage and network capacity



Color	Potential Capacity	Signal Strength Description
Green	Good	Ratio of number of sites to subscriber base should support a robust network
Orange	Average	Ratio of number of sites to subscriber base is problematic to support a robust network
Red	Poor	Ratio of number of sites to subscriber base is poor likely cannot support a robust network

Timeline:

- Q1 2022: City Council Work Session (01/25)
- Q2 2022: Review existing standards with consultant, draft recommended amendments to Land Use Code
- **Q3 2022: Refine recommended amendments, seek additional guidance from Boards, Commissions, and Council**
- Q4 2022: Bring proposed Land Use Code amendments to Commission and Council for consideration

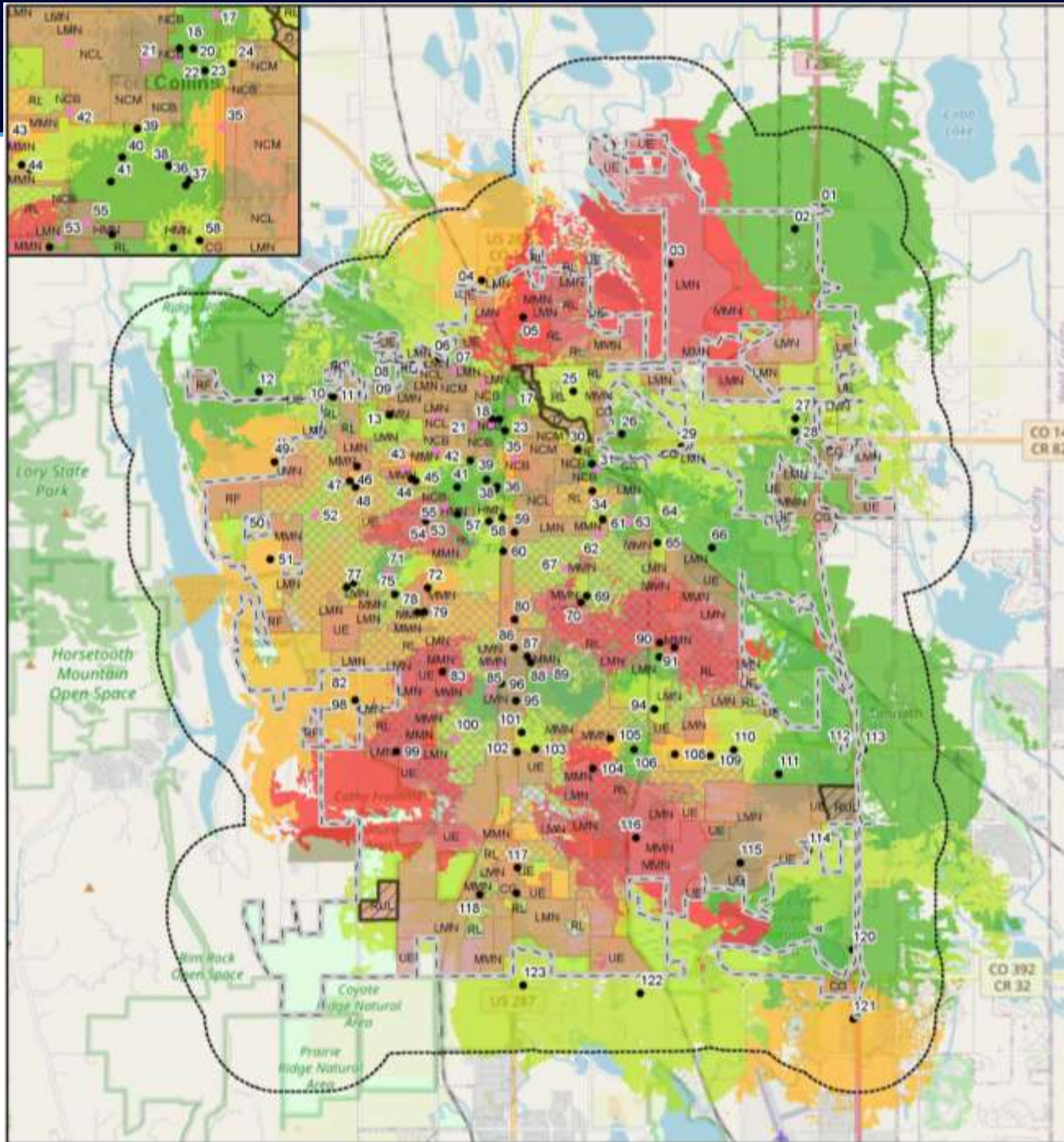
Question 1

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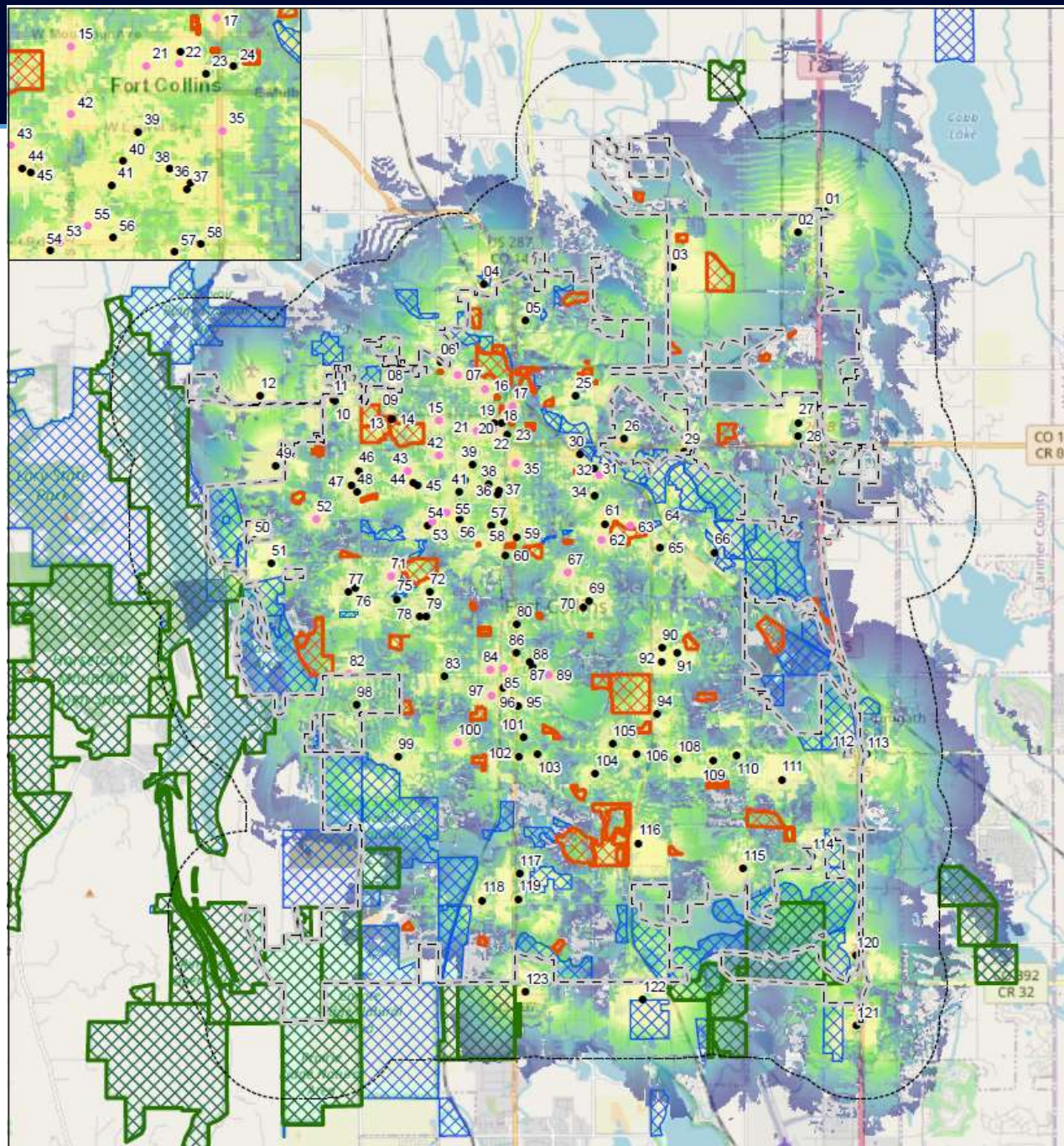
Should wireless facilities be permitted on non-residential properties in residential zone districts?

Zone District Area Calculations:

ZONE	Area Sq Mi
CG	1.866
D	0.188
HMN	0.087
LMN	10.229
MMN	2.930
NCB	0.247
NCL	0.842
NCM	0.853
RF	0.695
RUL	0.450
UE	4.299



Should certain City-owned properties be available for the siting of wireless telecommunication facilities?



City Parks and Golf

Parks Open Space

Natural Areas

City Boundary

1 Mile Buffer

Macro Cell (89)

Small Wireless Facility (23)

All Existing and All Proposed Sites

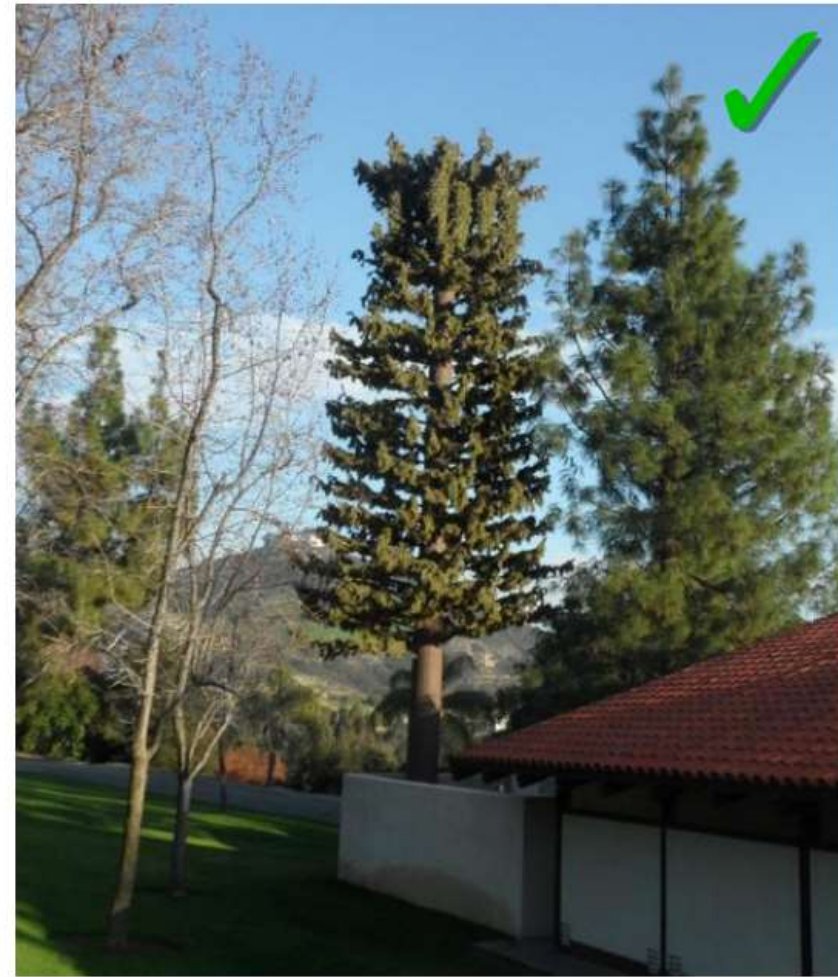
Estimated Coverage for High Frequency

Indoor (-75)

In Vehicle (-95)

Outdoor (-105)

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THANK YOU!

For Questions or Comments, Please Contact:

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