



STAFF REPORT

Report To: Board of Supervisors

Meeting Date: May 17, 2018

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Discussion Only: Presentation, discussion and potential direction regarding the proposal of small cell equipment installation on Carson City-owned poles and City-owned street lights located in the City right-of-way. (Dan Stucky; DStucky@carson.org and Stephanie Hicks; SHicks@carson.org)

Staff Summary: Staff will present information regarding recent requests for small cell equipment in City right-of-way, proposed code direction, and information on what other jurisdictions are doing.

Agenda Action: Other/Presentation

Time Requested: 15 minutes

Proposed Motion

Presentation Only.

Board's Strategic Goal

Economic Development

Previous Action

N/A

Background/Issues & Analysis

The next phase of cellular technology is 5G, which will require single ("small cell") antennas instead of macro towers to move mobile data traffic. Wireless service providers are proposing to install small cell equipment on City-owned poles and City-owned street lights located in City right-of-way to provide faster data coverage and capacity for mobile phone and device users. To facilitate the installation of this technology and maintain acceptable aesthetics of the City's streetscape, City staff has initiated discussion regarding the creation of City standards, permit processes, and a Master Agreement for setting the terms and conditions for the service providers. This report is being presented to the Board to provide preliminary information about the small cell proposals and to open discussion and potential direction to City staff.

Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number:

Is it currently budgeted? Yes No

Explanation of Fiscal Impact:

Alternatives

N/A

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)



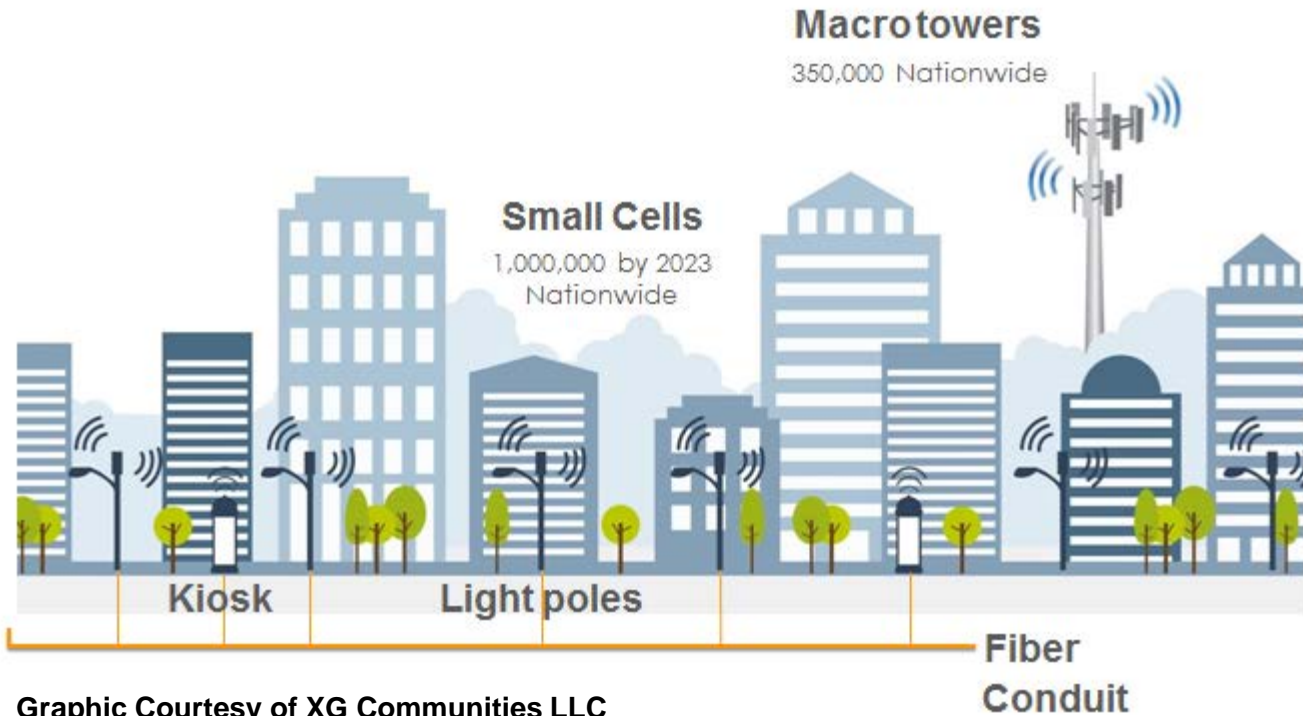
Small Cell Requirements

Carson City Public Works



What is Small Cell Wireless Technology?

SMALL CELL 4G to 5G WORLD



Graphic Courtesy of XG Communities LLC

Proposed



Proposed



Proposed



proposed antenna



Proposed

Deployment
without Design
Standards



Deployment
with Design
Standards





What others are doing

- City of Reno – currently drafting code, license agreement, and mock ups
- Douglas County – license agreement taken to BOC but not approved
- Clark County – has been working with small cell providers since 2006
 - Currently seeing a large increase in requests
 - Working to refine their requirements



Policy Direction

- ⦿ Must meet requirements of Title 20
 - Special Use Permit or Administrative Review
 - Setbacks, Height
- ⦿ Aesthetics will be a key component.
 - Preference is co-location. The placement of new poles is not desirable.
 - Non-antenna equipment and associated wiring must be concealed.
 - New above ground electrical is not allowed per CCDS 1.2.8
- ⦿ Encroachment Permit
- ⦿ License Agreement
- ⦿ Fees



Questions?

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- Stephanie Hicks, Real Property Manager
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