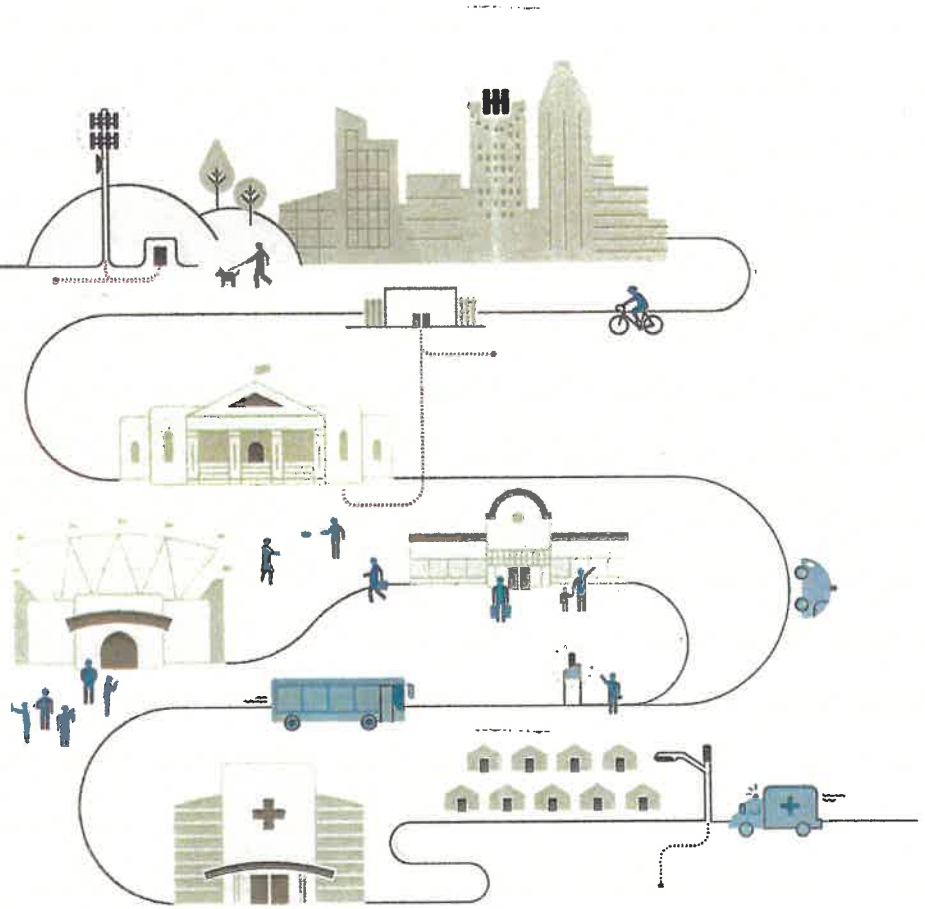
CROWN CASTLE

Preparing communities for the future

May 2023

The pathway to possible.

Our role in your world.



Connecting people, businesses and communities.

We own and operate the nation's most comprehensive portfolio of communications infrastructure. It all works together to meet unprecedented demand—connecting everything and everyone, erasing life's conventional boundaries.

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To support growing demand, it's estimated we'll need 800,000 small cells nationwide by 2026[1]—each supported by fiber.

[1]S&P Global Market Intelligence, *"Small Cell and Tower Projections through 2026,"* 2016

Benefits of connectivity.

Economic Impact

In MD's 4th congressional district, 5G will generate $3 billion+ in GDP growth, and create ≈10,000 jobs in the next 10 years.

Digital Divide

Mobile connectivity is critical for families who rely on their smartphones to get online and 5G opens new use cases for home service.

Healthcare

Greater connectivity expands innovation and telehealth promotes equity by reaching patients where they are.

Safety

80% of 911 calls are made on a cell phone.

5G will put lifesaving technologies at first responders' fingertips.

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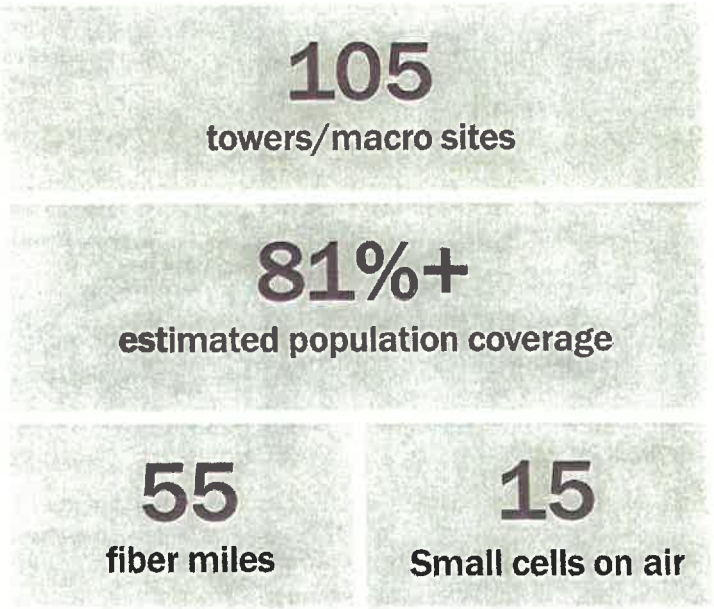
We're invested in Prince George's County.



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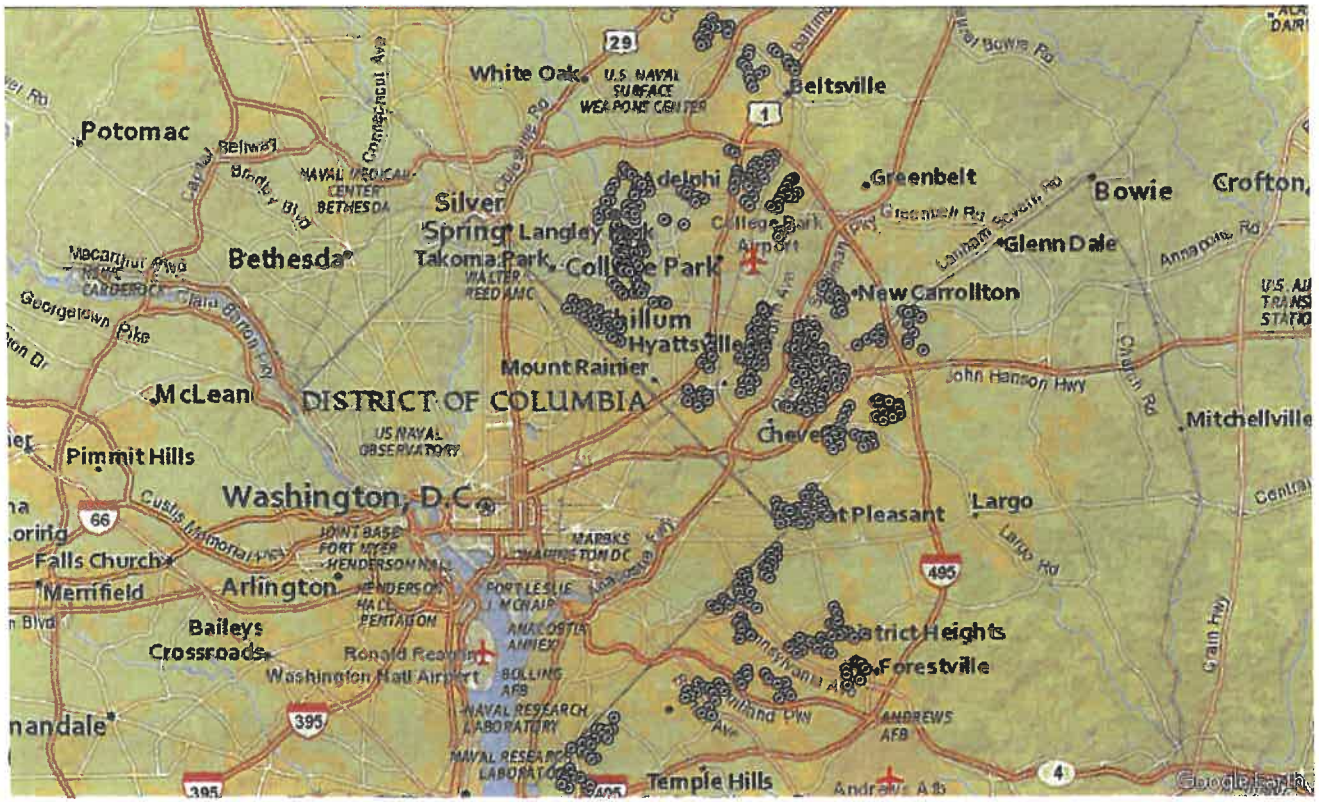
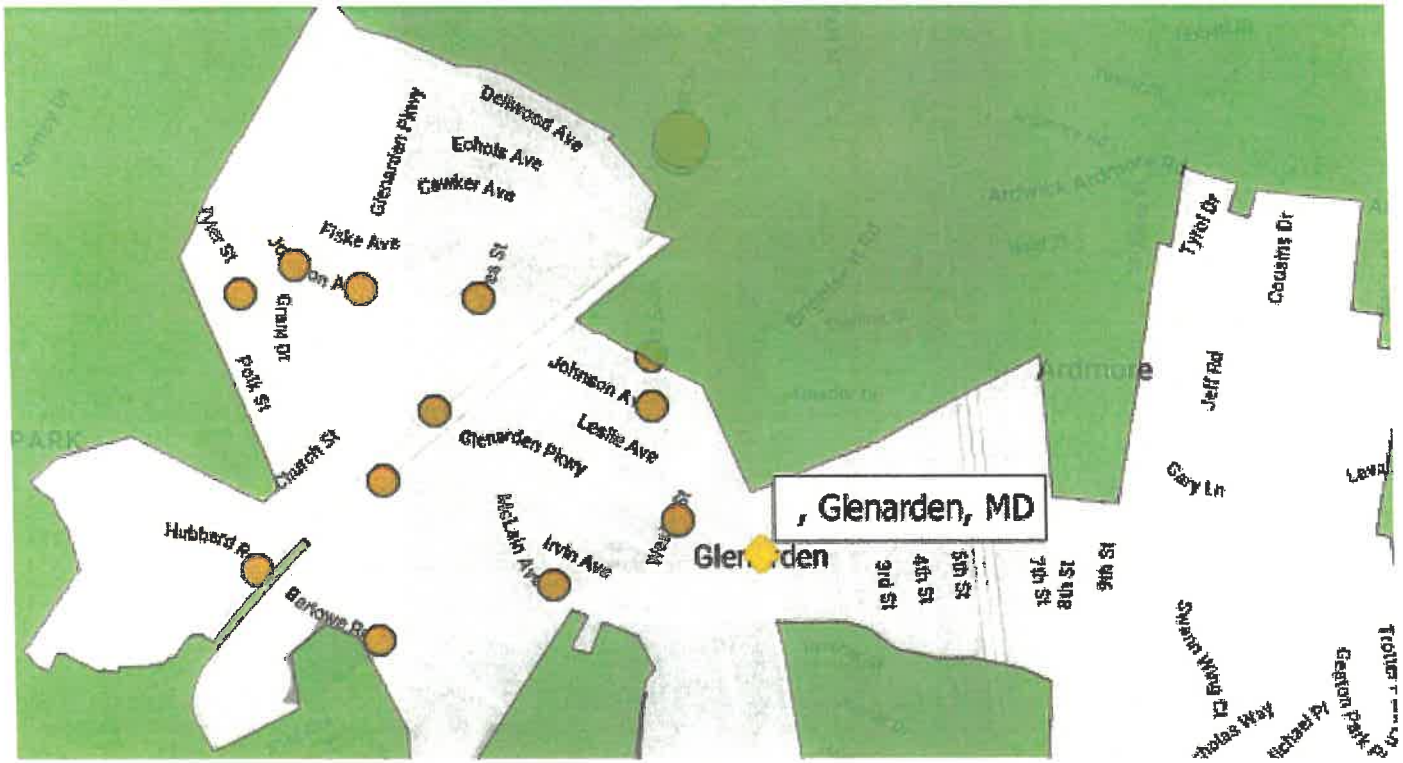
Planned small cells Prince George's County.

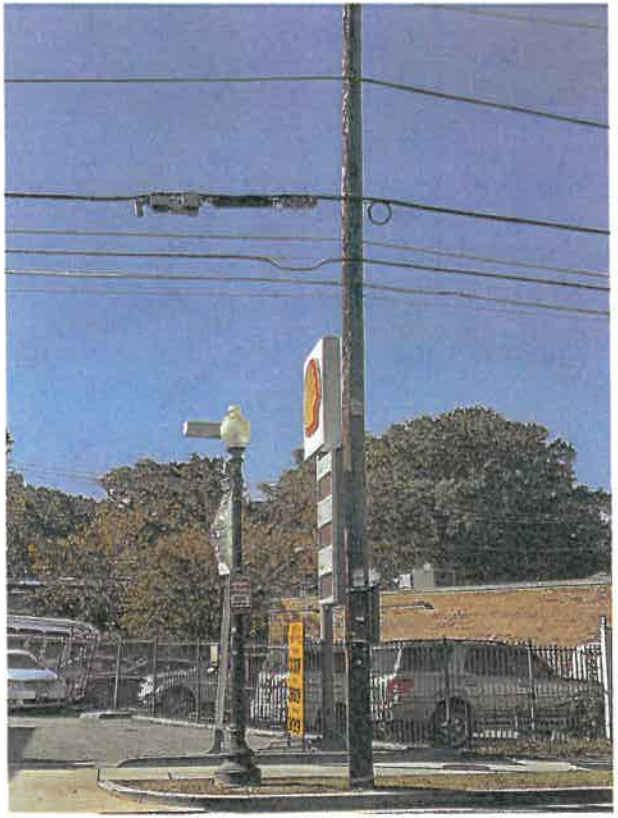


154 Nodes planned for 2023

Proposed Locations



Proposed Deployment



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An innovative compact design, utilizing current infrastructure in the Right-of-Way.

Prince George's County small cell process

The county Council enacted CB-58 in 2019, which provides for:

1. Stringent inspection, certification and compliance measures to ensure that small wireless facilities are operated in a manner that adheres to FCC standards for radiofrequency emissions
2. Provisions that regulate the location, height and appearance of small wireless facilities, including:
    - Limitations on deployments near schools and residences
    - Measures to ensure minimally intrusive appearance in protected areas such as historic districts
3. Requirements that will encourage the use of existing support structures, as opposed to the construction of copious new poles throughout the County
4. Preservation of the existing Telecommunication Transmission Facility Coordinating Committee (Tower Committee) process that applies to traditional towers,
5. A provision that encourages the use of small-, minority-, and disadvantaged-owned businesses for all industry deployment activities.

Application process

1. Required notices
   - At least thirty (30) calendar days prior to the acceptance by the Tower Committee of an Application for a new facility, every applicant shall send an informational mailing to:
     a) all adjoining property owners
     b) every municipality located within one mile of the new facility
     c) the County Council member of the District where the new facility is proposed
     d) All at-large Council members
     e) All civic associations within one mile of the new facility
   - Recipients may request a briefing

2. Review and recommendation by Tower Committee

Small cell requirements

Colocation

Attachment to an existing structure unless the applicant can show that enforcing this requirement would violate applicable law.

Otherwise
- Replacement pole with a streetlight, or
- New pole or structure (in that order)

Location

- Not within 30 feet of a residential dwelling
- Not within 250 feet of an elementary or secondary school
- Not on any County owned and operated traffic signal
- Not within 150 feet of another small wireless facility
- Not within 15 feet of an existing tree
- Not attached to a decorative pole

Height

- Existing Pole - Cannot extend pole by more than 10 feet
- New or Replacement Poles
  - Protected areas - Cannot exceed 30 feet in height
  - Everywhere else - Cannot exceed 50 feet or 10 feet greater than the tallest existing pole (whichever is higher)

RF Emissions

- **Must be compliant with FCC standards**
- **Must be capable of immediate shutoff in the event of an emergency or for public works to be performed**

Inspections

- **Post-Installation Certification and Inspection**
- **Annual**
- **Other Periodic**

Noise

- **Must comply with the County's noise ordinance**

Prince George's County small cell process

Resources

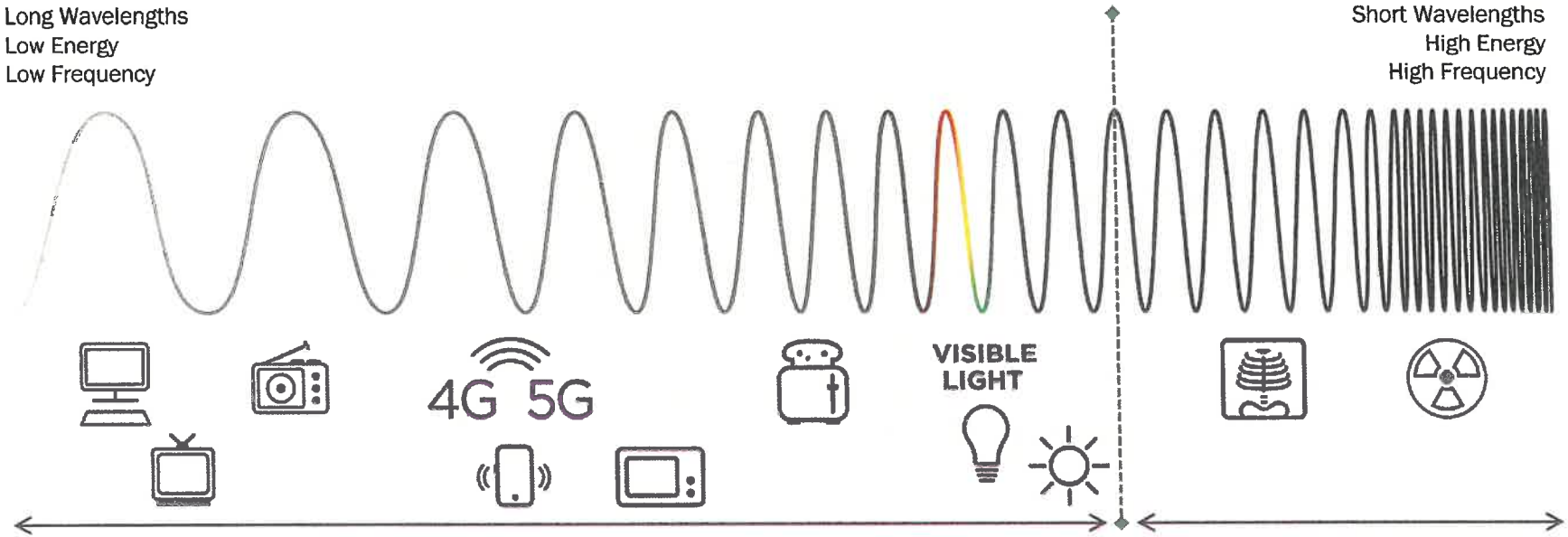
Prince George's County small cell design manual, which governs items such as:

- Setbacks from buildings, schools, and trees
- Minimum spacing between small cells
- Aesthetics
- Equipment volume
- FCC radiofrequency compliance

Prince George's County Government website on Small Wireless facilities

Telecommunications Transmission Facility Coordinating Committee Website

Where 5G fits on the electromagnetic spectrum.



NON-IONIZING SPECTRUM
These wavelengths do not have enough energy to break DNA bonds and are considered safe.

5G, like 4G, is well within the non-ionizing zone.

IONIZING SPECTRUM
These wavelengths have more energy and can damage cells. You should limit your exposure.

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Next steps

Following approval from Tower Committee, work with Glenarden to secure ROW permits for 10 applications

Thank you

For further information please contact:

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