

Preparing communities for the future

May **2023**

The information contained herein contains trade secrets, is confidential and proprietary, and is not subject to disclosure pursuant to Md. Code, GP § 4-335.

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.





We're invested in Prince George's County.



¹Estimated using 700MHz contours ²United States Census Bureau Data represents quarterly approximations and is subject to change.



Our nationwide portfolio of communications infrastructure connects cities and communities to essential data, technology and wireless service—bringing information, ideas and innovations to the people and businesses that need them.

- > 40,000+ towers
- > ~120,000 nodes on air or under contract
- > ~85,000 route miles of fiber
- More than 25 years of experience owning and operating network assets
- > -50 offices
- > 4,000+ employees
- > S&P 500 company listed on the NYSE



To support growing demand, it's estimated we'll need 800,000 small cells nationwide by 2026¹—each supported by fiber.

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

What are small cell solutions?

Small cell solutions (SCS) are a complement to towers that add much needed coverage and capacity to urban and residential areas, venues and anywhere large crowds gather.

> The cabinet holds equipment that processes signal for wireless operators

Optical fiber carries data to and from data centers, allowing a significant amount of bandwidth

Antennas connected to nodes

from smartphones

receive and transmit signal to and



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.



80% of 911 calls are made on a cell phone. 5G will put lifesaving technologies at first responders' fingertips.

CCCCCASTLE

7 Proposed sites in Bladensburg





Prince George's County small cell process

Meets FCC standards:

- Emissions
- Size
- Radiofrequency

Meets Prince George's standards:

- Inspection
- Location
- Height
- Appearance
- Attachment preference
- Historic specifications



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. Submit to Tower Committee
- 3. Tower Committee reviews
- 4. Tower Committee provides recommendation or approval
- 5. Once approved, goes to DPIE or independent jurisdiction



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.





For further information please contact:

PGCpermitting@crowncastle.com

Or visit <u>https://www.crowncastle.com/communities/prince-george-county-md</u>

