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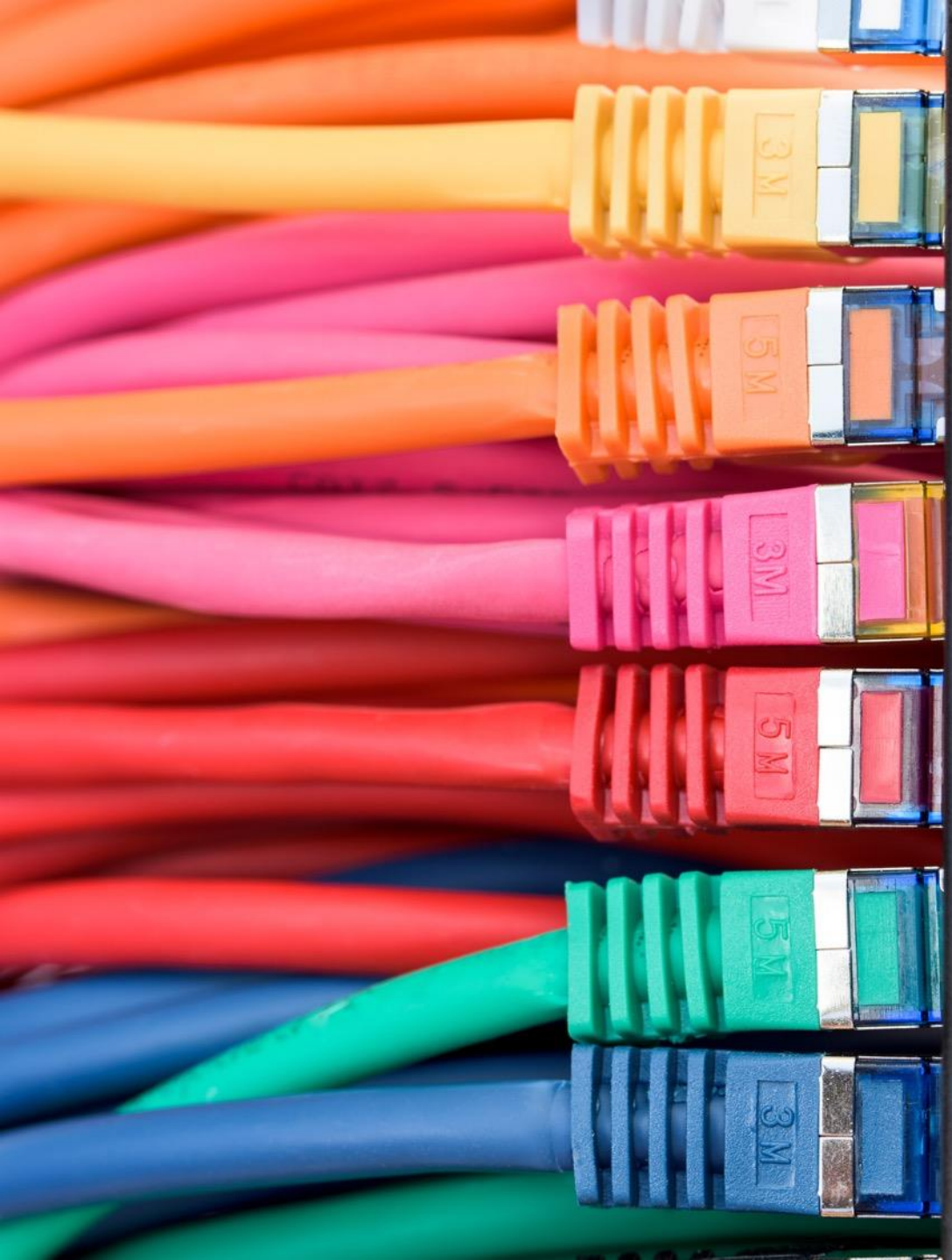
Small Cell and Outdoor WiFi How they work together

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About OCTO

- Central technology organization of the District of Columbia Government
- OCTO develops, implements, and maintains the District's technology infrastructure;
- Develops and implements major enterprise applications;
- Establishes and oversees technology policies and standards for the District
- Provides technology services and support for District agencies, and develops technology solutions to improve services to businesses, residents and visitors in all areas of District government.





About DC-Net

- Over **700 Miles of Fiber**
- 100 Gigabit core connecting over **650 government buildings**
- Voice operations support more than **80 million phone calls and 740 Million emails** in a year
- **Free Wi-Fi** program leads the country – we already have **11% of populated area covered**
- **40,000** people connect to DC-Wifi daily, **14 Million connect annually**
- Maintains **99.999% availability**

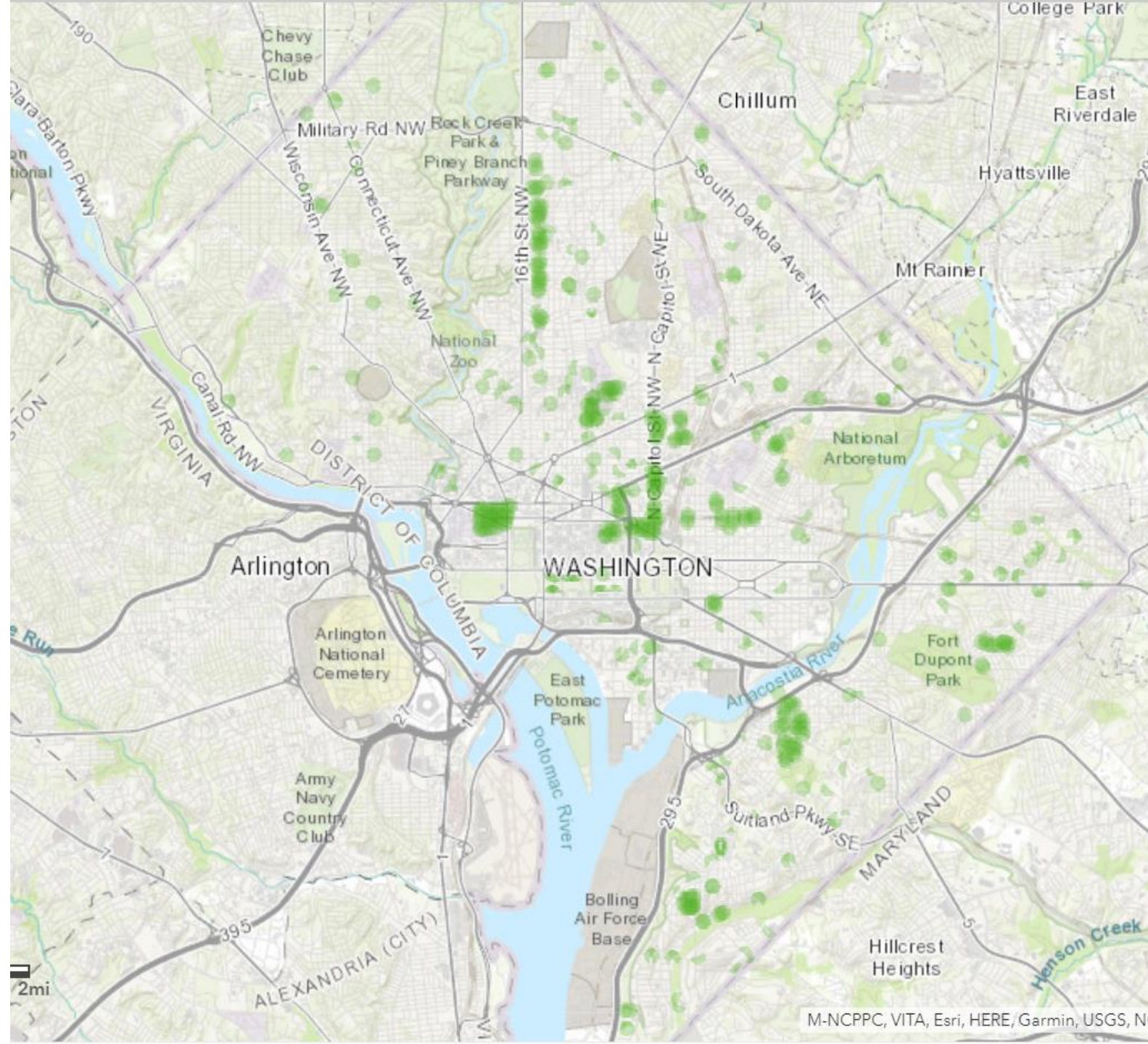


Why Free Wifi?

- Economic Development
- Bridge the Digital Divide
- Tourism
- Convenience
- Public Safety

Where Are We Now?

- Green is existing outdoor WiFi
- Currently have 405 Outdoor Access Points in Operation
- Each Access Point covers up to 450 feet in any direction



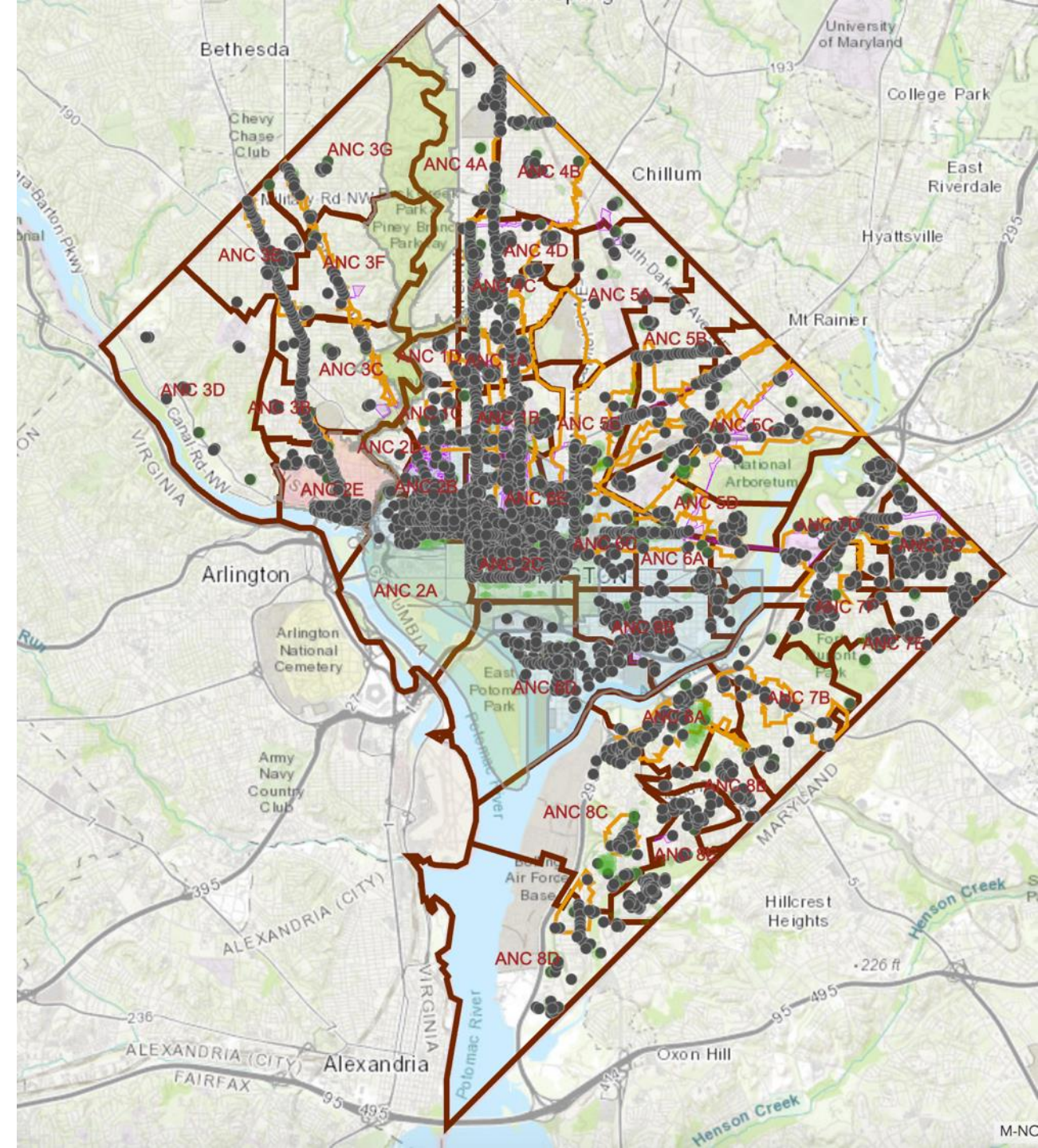


Priority Locations for DC-Wifi

- Where We Have Existing Fiber
- Underserved Communities/Public Housing
- Public Safety (MPD/DCFEMS)
- **High Community Interest**
- Farmers Markets
- Great Streets
- Main Streets
- Parks and Recreations
- Transportation Hubs

Where Are We Going?

- \$1.4 Million for FY19
- We can't afford all the dots
- We have 300 Access Points in Stock and 300 more on order





What Drives Cost?

- Fiber
- Labor
- Access Points
- Reducing cost = more Free Wifi

- Power/maintenance

The Plan to Expand

- **Master License Agreement with Small Cell Carriers**
- 'Ride Along' for D.C. APs
- 'One Touch' Cost Savings
- Areas Where Priority Areas Overlap with Vendor Plans

- **Street Light Project with DDOT and OP3**
- 'Ride Along' for D.C. Aps
- Remaining priority areas OCTO can afford.



A Look at Minnesota Ave and Vicinity

Details Basemap

Share Print ▾ Measure ▾ Find address or place

About Content Legend

Legend

DC_SELECTED_POLES BY PROJECT

- Great Streets/Main Streets
- DCPS
- DC Housing Authority
- MPD
- FEMS
- Unity Healthcare
- DPR Parks and Recreation
- DC Owned
- Farmers Markets

DC_SELECTED_POLES OTHER

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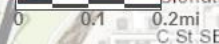
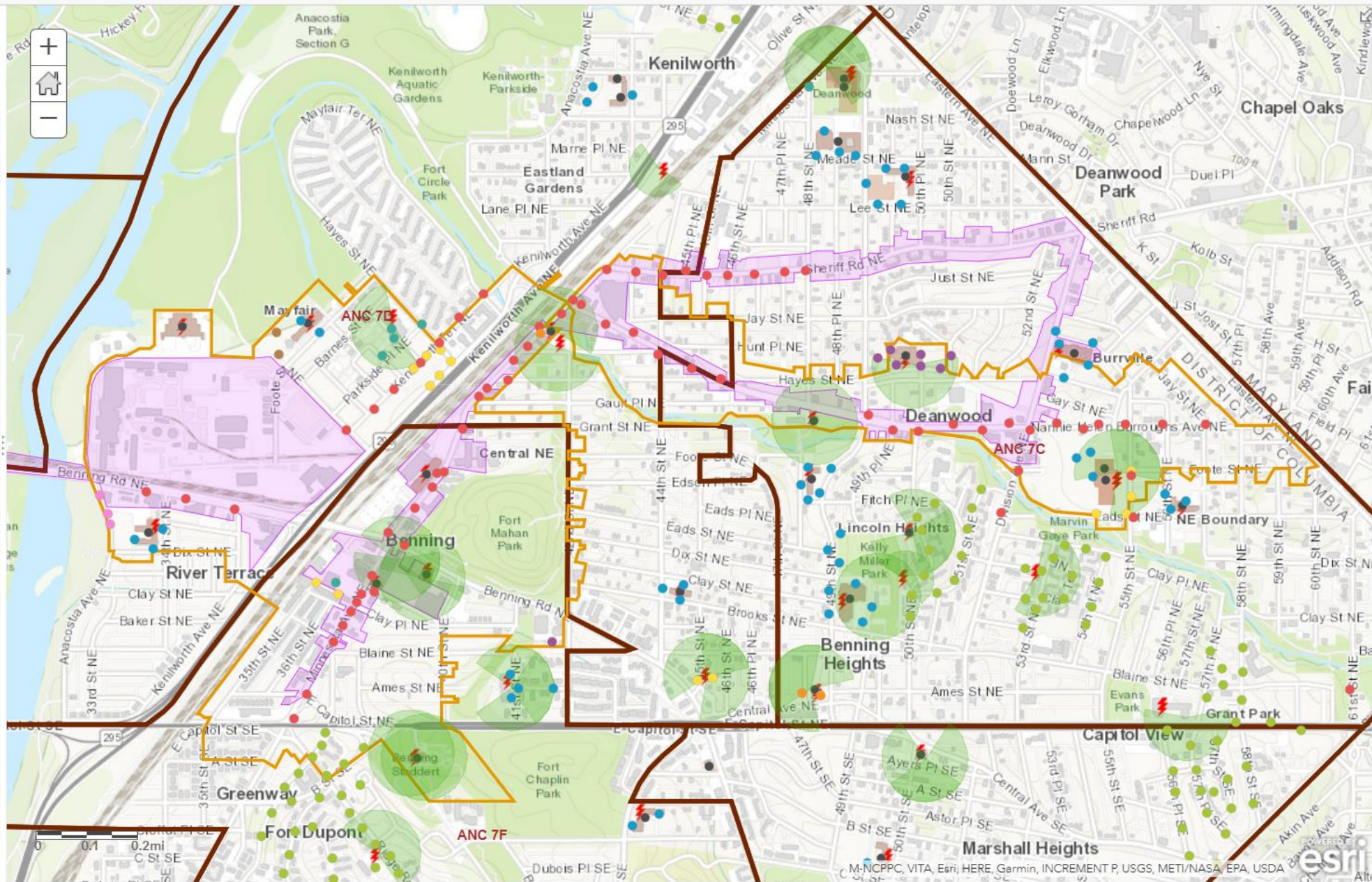
WifiOutdoorCoveragePoly



IndoorWifiCentralPts



IndoorWifiPly



Questions?