District of Columbia Community Access Network
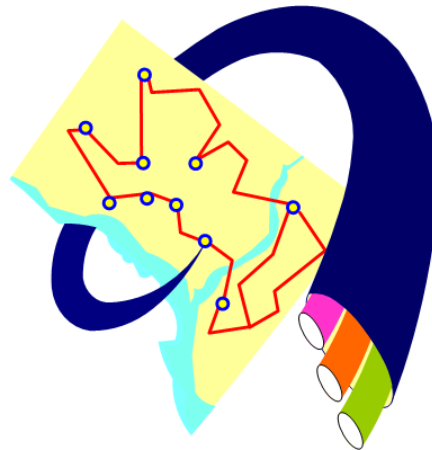
Ward 8 Town Hall

April 21, 2010

DC-CAN – Introductory Video

http://vimeo.com/22054226

What is Broadband?

Broadband

Adjective

A high data rate connection to the Internet

Benefits of Being Online

- For the community…
  - Broadband is a technology platform useful for attracting and retaining businesses
  - Faster access to government services
  - Online access to health care institutes and services
- For residents…
  - Distance learning opportunities via online courses
  - Career Opportunities
    - Post your resume on the Internet
    - Search for new jobs
    - Apply to positions online
  - Online Banking, taking control of your finances
  - Stay connected with family and friends
    - E-mail
    - Social Media
  - Express yourself
    - Twitter
    - Start a blog
    - Share your photographs, videos, art

Benefits of Being Online

- For business...
  - Allows your business to reach the global market place
    - Start a website
    - Online sales
    - Company branding and name recognition
  - Gives you more options to compare prices and shop for supplies
  - Saves you time through online purchasing
  - Helps you recruit job seekers
- For nonprofits...
  - Promotion
    - Use a website and social media to spread your message
    - Connect with volunteers
  - Outreach
    - Network with other organizations and your target community

DC-CAN

- Broadband infrastructure project focusing primarily on Wards 5, 7 and 8 – underserved areas of the city

- Brings affordable broadband to over 250 community anchors

- Creates high-speed middle-mile open-access network for last mile service providers

- Spurs broadband adoption and economic development in underserved areas

- 3 year, $25 million project to be complete by June 2013

Underserved Areas

Adoption Rates [*]

57%
Entire District
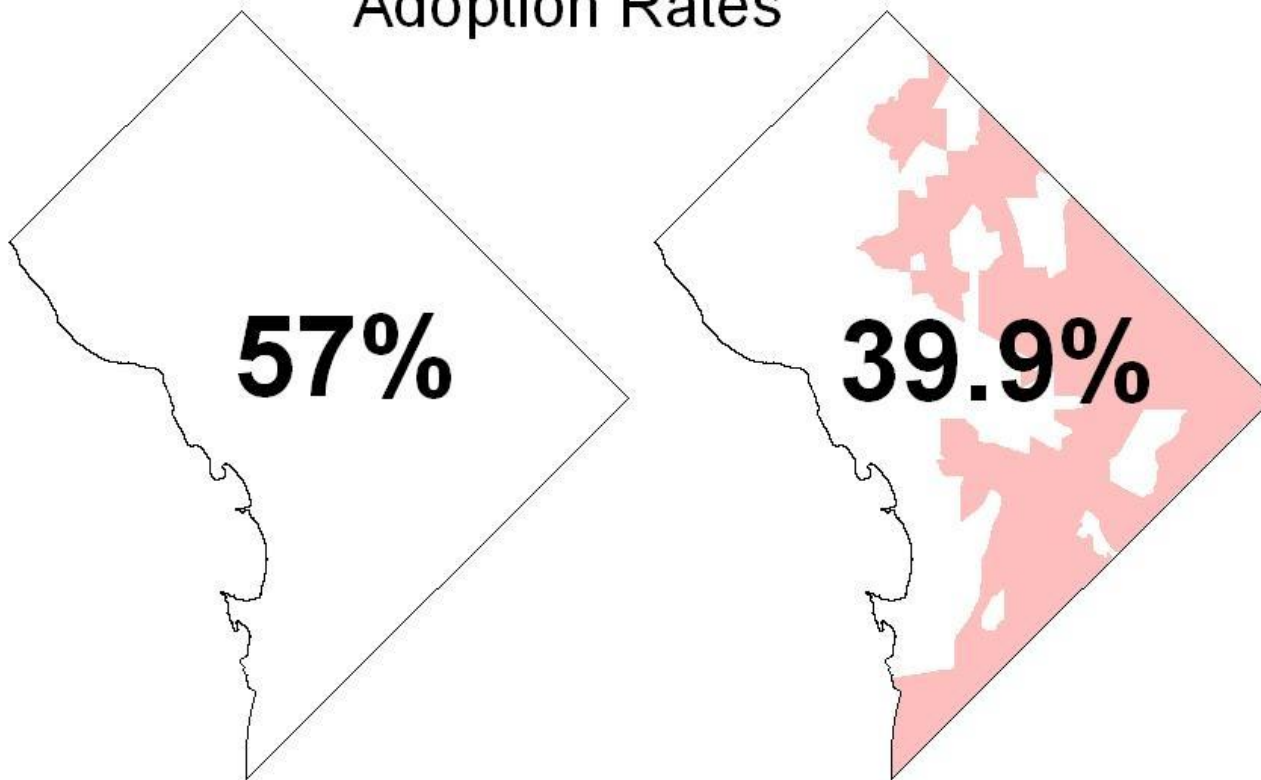
39.9%
Underserved Service Area
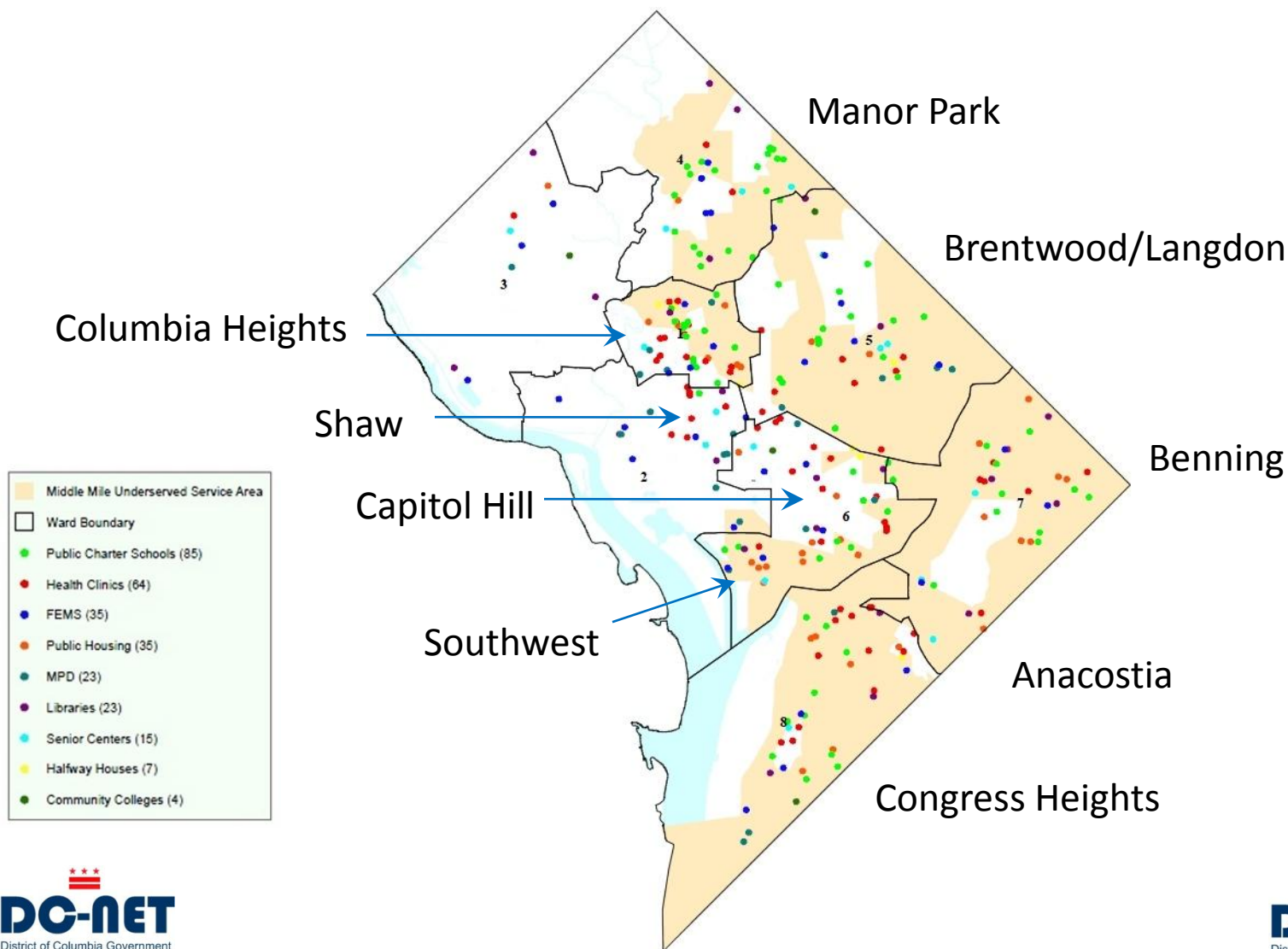
* Based on carrier provided data from PSC

For Community Anchors…

- DC-CAN brings broadband to over 250 community anchor institutions, including:
  - Health Clinics
  - Senior Wellness Centers
  - Public Charter Schools
  - CCDC and UDC campuses
  - Early Childhood Learning Centers
  - Community Service Centers
  - Public Housing Locations
- Upgrades public libraries, FEMS and MPD stations
- Covers cost of capital build out to sites

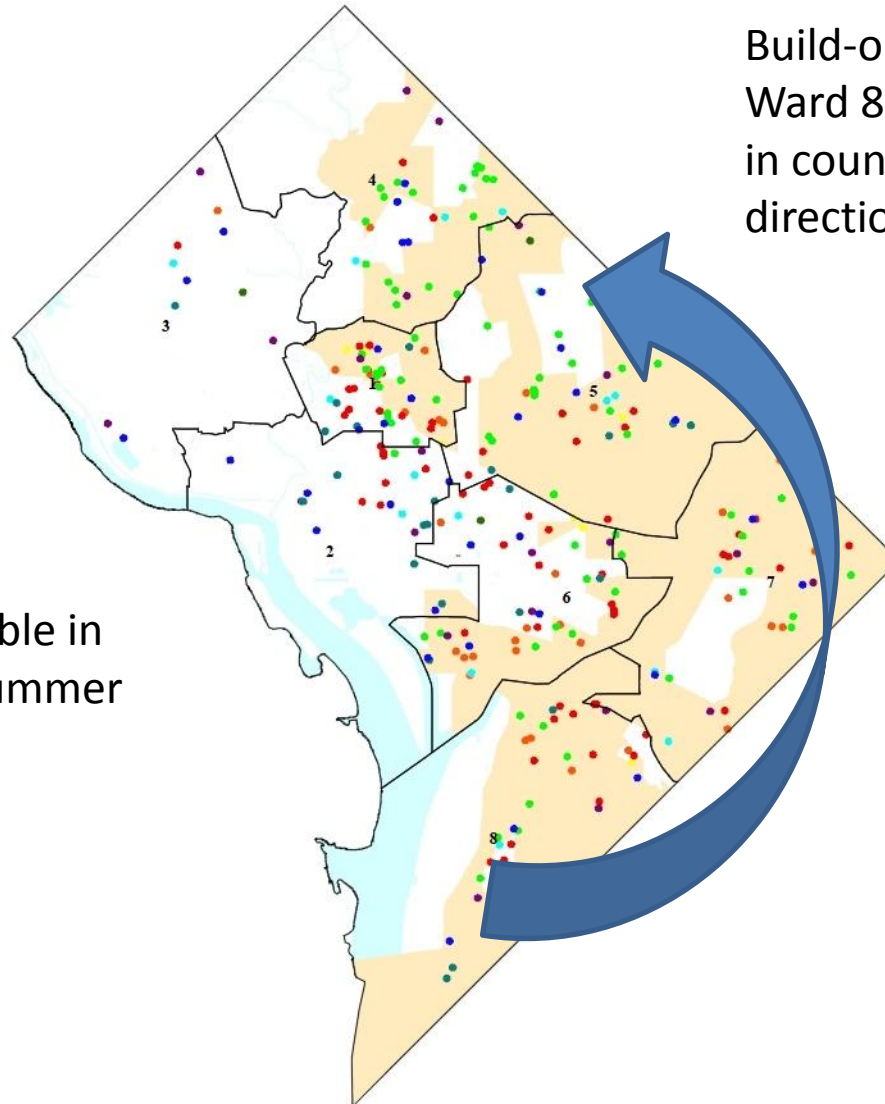# Community Anchor Services

- Internet Access – 10 Mbps to 1 Gbps symmetrical
- Data Transport – 10 Mbps to 10 Gbps
- Voice services
  - VoIP
  - Web conferencing services
- Wireless LAN access for voice, data, and video services
- Video conferencing, streaming, and recording

Community Anchor Build Out

Legend:
- Middle Mile Underserved Service Area
- Ward Boundary
- Public Charter Schools (85)
- Health Clinics (64)
- FEMS (35)
- Public Housing (35)
- MPD (23)
- Libraries (23)
- Senior Centers (15)
- Halfway Houses (7)
- Community Colleges (4)

Map labels: Manor Park, Brentwood/Langdon, Columbia Heights, Shaw, Benning, Capitol Hill, Southwest, Anacostia, Congress Heights
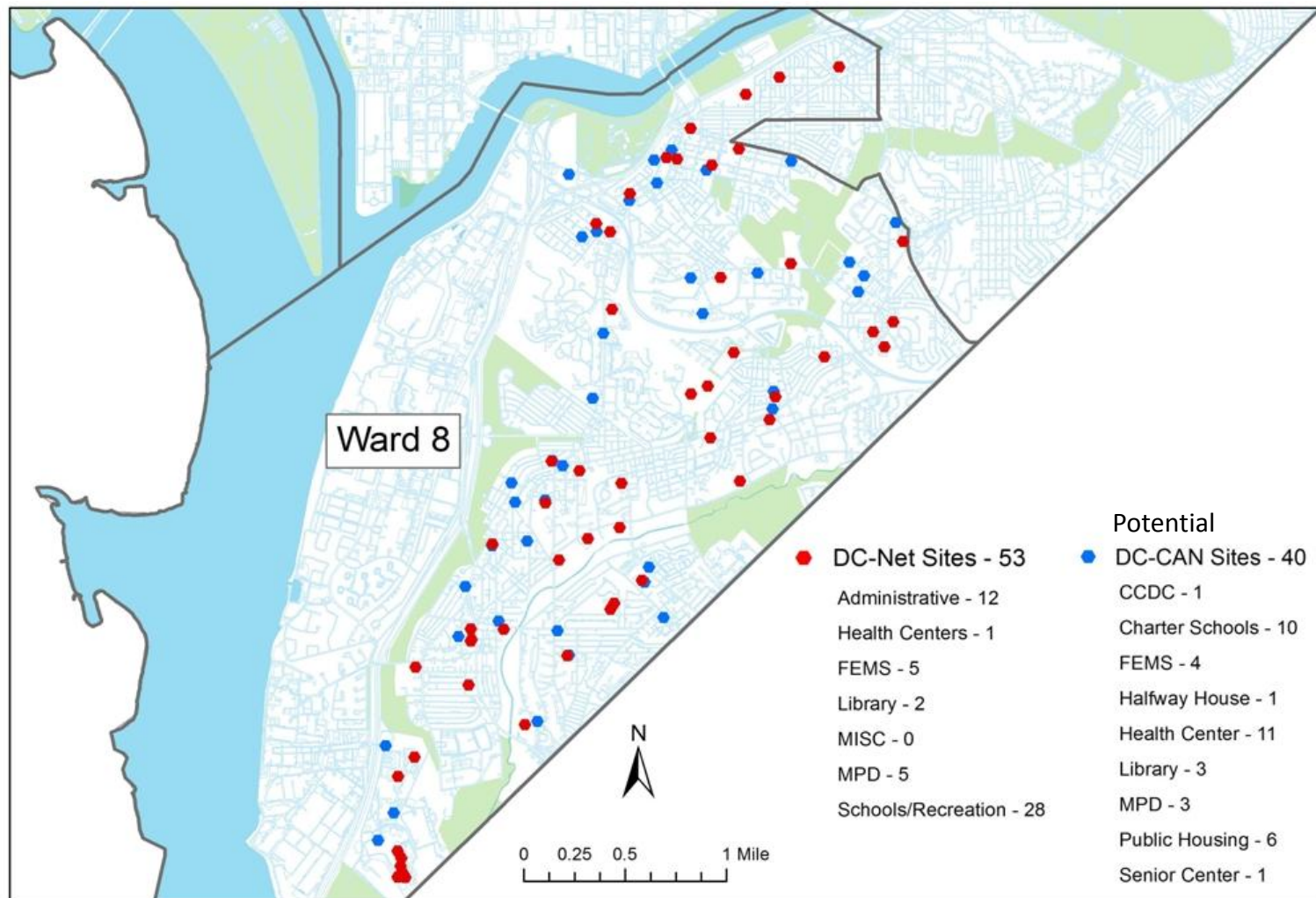
Community Anchor Build Out

Build-out started in Ward 8 and will proceed in counter-clockwise direction

Services to be available in Ward 8 beginning Summer 2011

DC-CAN and DC-Net Sites – Ward 8

Ward 8

Potential

● DC-Net Sites - 53
- Administrative - 12
- Health Centers - 1
- FEMS - 5
- Library - 2
- MISC - 0
- MPD - 5
- Schools/Recreation - 28

● DC-CAN Sites - 40
- CCDC - 1
- Charter Schools - 10
- FEMS - 4
- Halfway House - 1
- Health Center - 11
- Library - 3
- MPD - 3
- Public Housing - 6
- Senior Center - 1

0   0.25   0.5   1 Mile

N

DC-NET
District of Columbia Government
Citywide Network

DC-CAN
District of Columbia Government
Community Access Network

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Community Anchor Build Out

Neighborhood Loop	CAI Service Availability Date
Anacostia	Late Spring 2011
Congress Heights	Summer 2011
Benning	Fall 2011
Brentwood/Langdon	Early Winter 2012
Manor Park	TBA
Columbia Heights	TBA
Shaw	TBA
Capitol Hill	TBA
Southwest	TBA

Hotspot Pilot Project – Barry Farm

Project
Start Point
Birney School

Hotspot Pilot Project – Barry Farm

- Free wireless Internet for 3 months at estimated user speeds up to 5 Mbps download and up to 2 Mbps upload

- Estimated 25 Wi-Fi outdoor wireless access points provided by vendor, managed by DC-Net

- Support for public safety and other government applications

- Evaluating sustainable, low-cost service models via public/private partnership
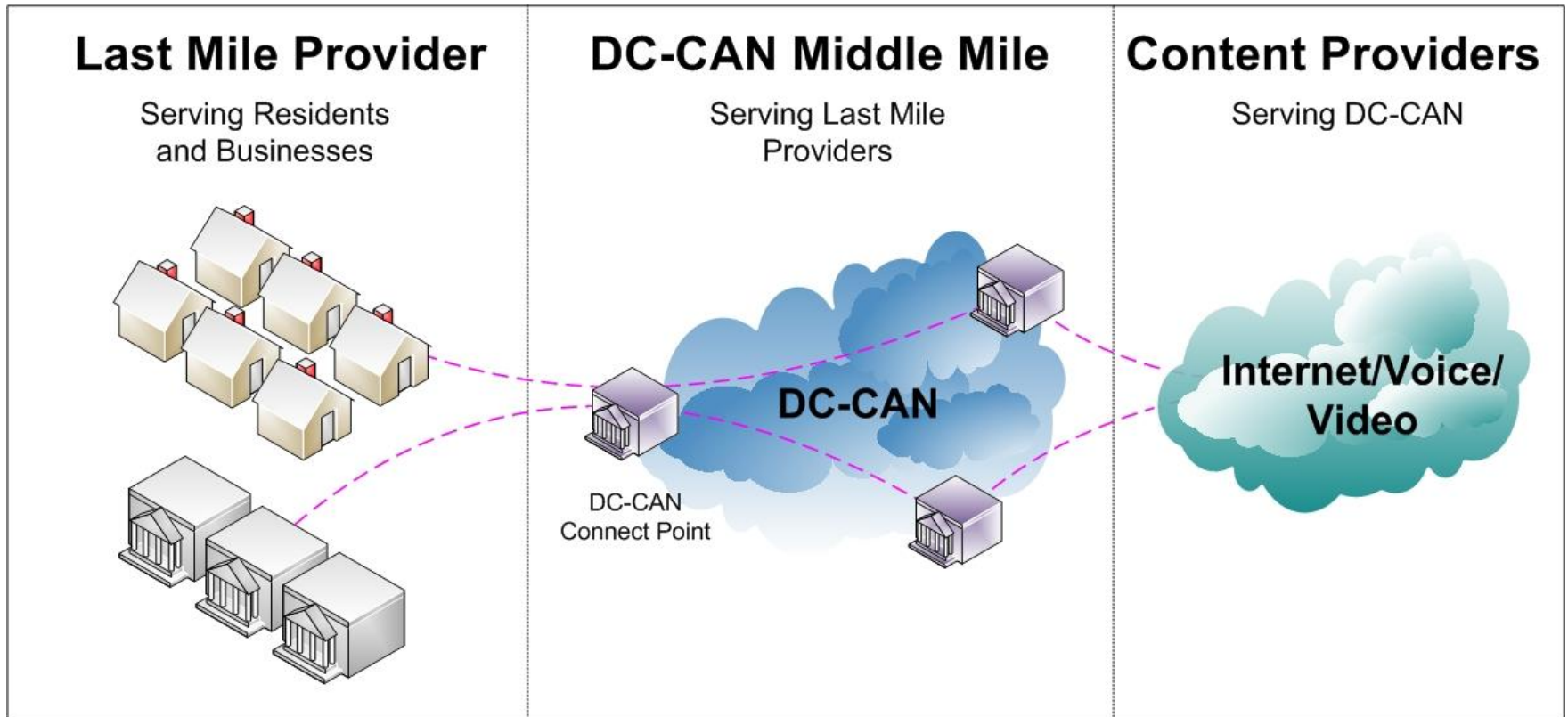
For Service Providers…

- DC-CAN provides wholesale middle-mile broadband services over fiber optic infrastructure
  - In-kind support for build out in underserved areas
- Network open to any qualified service provider in the District
- Does not fund last mile build out or other startup costs

DC-CAN Connection Points
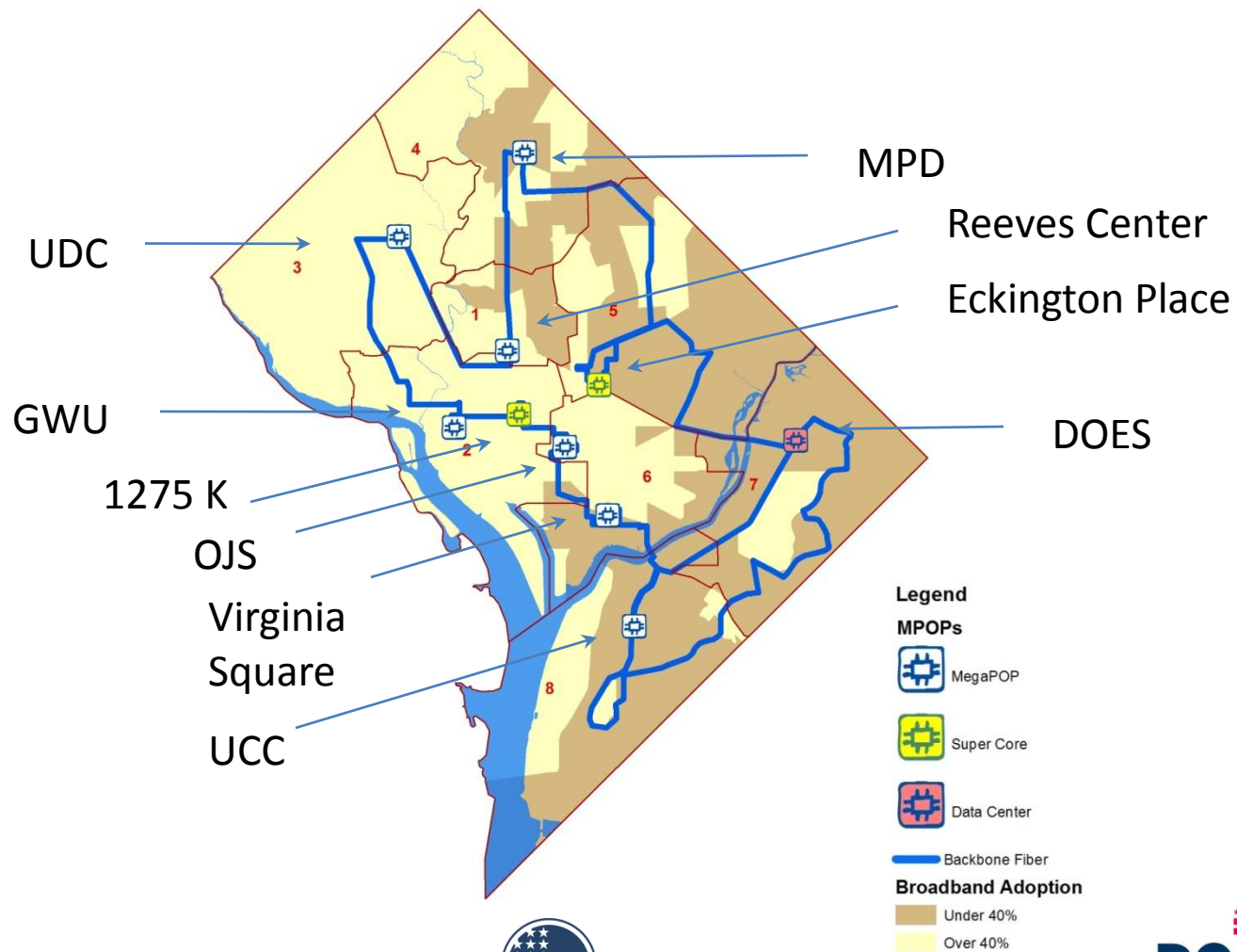
Last Mile Service Scenario

Next Steps

- Spread the word – inform community anchors in your area about DC-CAN services

- Communicate with Councilmember Barry's Constituent Services Office

- Check the DC-Net website for service availability and information

Contact Information

- **Web:** www.dcnet.dc.gov

- **Email:** dccan@dc.gov

- **Sales Support:** dcnetbu@dc.gov