

District of Columbia Community Access Network



DC-CAN
January 2012

DC-CAN – Introductory Video

<http://vimeo.com/22054226>

DC-Net Overview

Service provider for government

Provides secure managed data, voice, video and wireless services for government and education institutions in DC

Extensive fiber network in DC

400+ mile fiber optic network providing core foundation and primary backbone for all DC government IT/Telecom services

Secure, reliable, proven

Serving over 30,000 users in more than 380 sites
Route Diverse fiber paths
99.999% availability

Customized service offerings

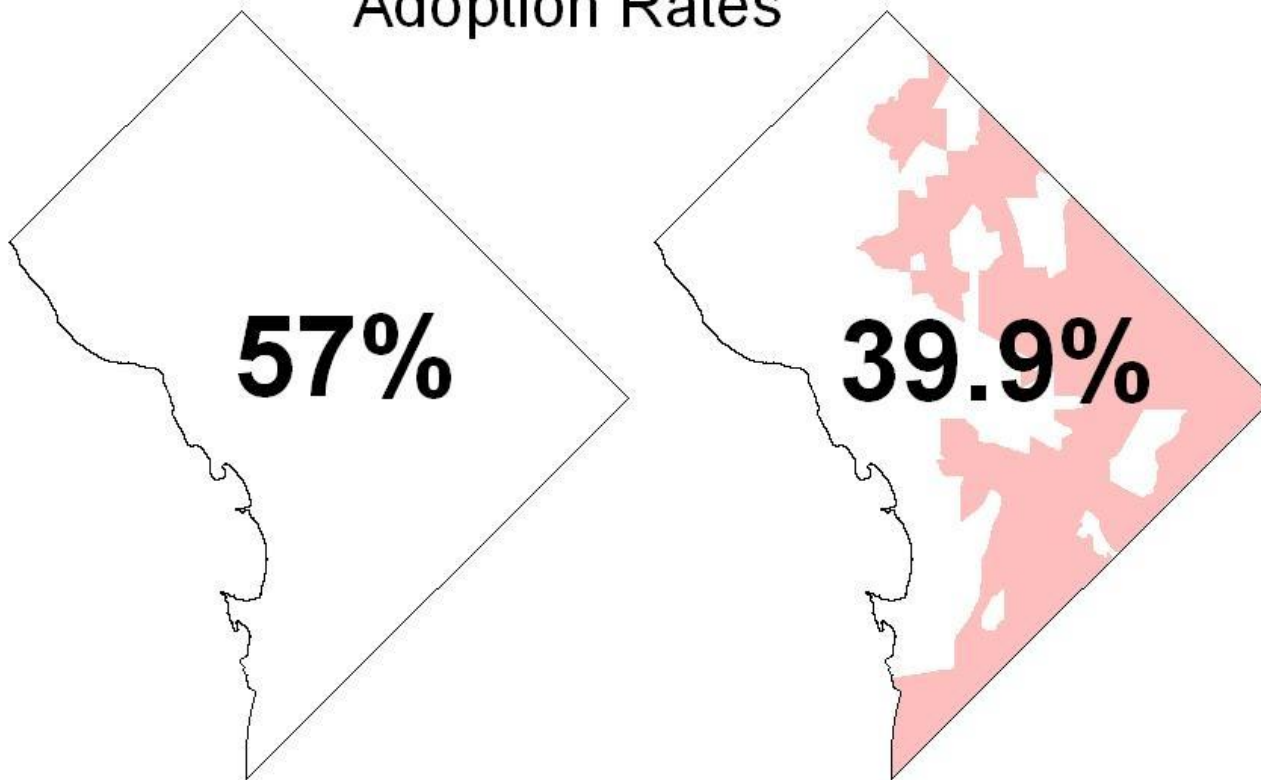
Service networks in cloud computing environment
UC Bundles and Triple play solutions at significant lower pricing

DC-CAN Overview

- 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 *



Entire District

Underserved Service Area

* Based on 2009 carrier provided data from PSC

For Community Anchors...

- DC-CAN brings broadband to over 250 community anchor institutions, including:
 - Health Clinics
 - Senior 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 and recording

Internet Service Features

- Fully dedicated bandwidth – the bandwidth you buy is what you get, no “up to” speeds
- Fully symmetrical upload and download speeds
- Dependable – backed by Service Level Agreement

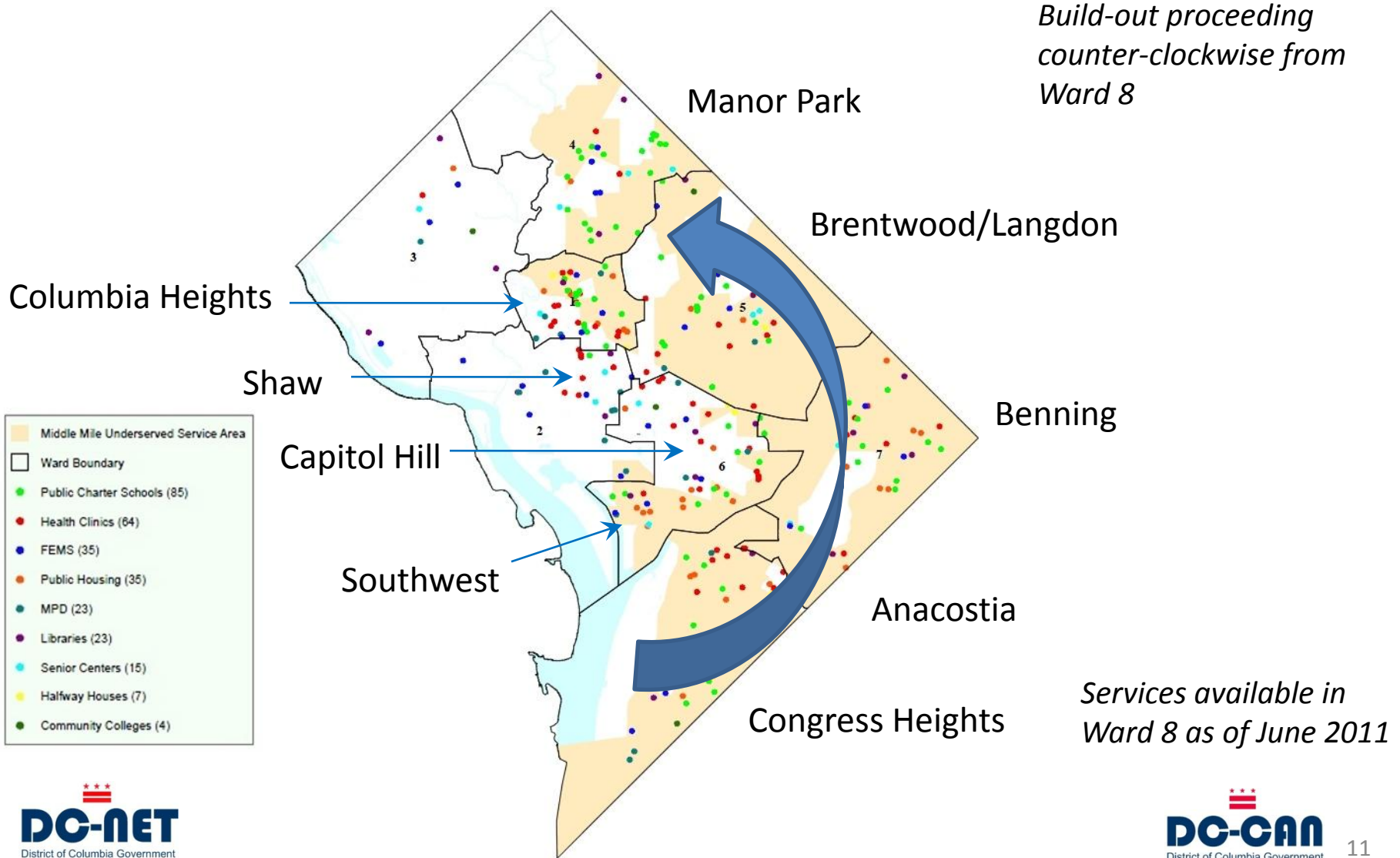
Who Benefits the Most from DC-CAN?

- Anchors using T1 or higher data services
 - DC-CAN 10 Mbps at \$470 per month is about 7 times the capacity for price of a T1 circuit
 - DC-CAN 100 Mbps at \$995 per month is about 60% cheaper than comparable commercial service
- Anchors with SIP-enabled IP-PBX phone system supporting 20 or more phone lines

Benefits to Health Care Providers

- Dedicated bandwidth connections over a private network to mission critical applications (such as e-Clinic Works)
- Supports HIPAA-compliant transmission of electronic health records and access to applications for health providers in DC RHIO
- Cost effective Internet, data, voice, and wireless services – removes bandwidth, reliability, and affordability limitations

Community Anchor Build Out



Network Build-Out Schedule

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

Next Steps

- Spread the word – inform community anchors in your area about DC-CAN services
- Check the DC-CAN website for service availability and information:

www.dcnet.dc.gov/dc-can

Contact Information

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