

Arlington
Community Facilities Study

A resource and facilities plan for our future

ConnectArlington
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Study Committee Meeting #10 – June 24, 2015



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- Stimulus
 - Expiration of the Comcast Cable Franchise resulting in loss of free unlimited use of County/Schools Network Services
- Purpose
 - Build a County Owned telecommunications network for Voice, Data and Video for Government and School
- Built by Leveraging Planned Initiatives (*Dig Once – Build Twice*)
 - Refreshment of the Traffic Management System
 - Continuity of operations for the Public Safety Radio System (911)
 - Upgraded Power Grid Enhancements – Dominion
 - New Construction
- Financing
 - Federal Grants
 - Bonds
 - PayGo / Capital Expenditures – (ACG and APS)

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- **Two Varieties of ConnectArlington**
 - Government and Education Network
 - Economic Development

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1. Government and Education Network

- 59 miles network
- Connection 95 County and School facilities
- Benefits
 - Security – (County Managed infrastructure)
 - Resiliency – (92% underground)
 - Scalability – (Speed and Capacity limited only the electronics)
 - Cost Avoidance – (no intra county phone or data charges)
- Expected Completion – Fall of 2017

ConnectArlington: Government & Education – 59 miles



-  Major Business Districts
-  Community Facilities
-  Education Facilities
-  Emergency Services
-  Hospital

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2. Economic Development

- 22 miles – running through Commercial corridors
 - Stage I – 10 miles (Crystal City, Rosslyn, Ballston)
 - Stage II – 12 miles (Completion dependent on future funding)
- County Managed infrastructure
- Services provided through licensing of infrastructure by 3rd Parties
- Benefits
 - Choice and Competition – (increase number of providers available)
 - Security – (County Managed Infrastructure)
 - Resiliency – (100 per cent underground)
 - Scalability – (limited only by the electronics)
 - Intelligent City – (many new communities amenities possible)
- Expected Availability – November 2015

ConnectArlington: Economic Development – 22 miles



- Major Business Districts
- Community Facilities
- Education Facilities
- Emergency Services
- Hospital

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- Take Away Messages
 - Proven Model used across the nation and the world
 - Facility Siting should consider footprint of network
 - Cost of connecting significant
 - \$50 a foot if underground which is preferred
 - \$20 a foot if on poles with recurring annual cost which is not preferred
 - ConnectArlington has already had demonstrated impact on attracting and retention of businesses and institutions
 - It is a distinguishing factor for the Community as evidenced by consecutive Intelligent Community Foundation Top 7 Awards