

Broadband and Wi-Fi... What's Going on in Blacksburg

Virginia Institute of Government and
Virginia Tech
"Last Mile" Series



Town of Blacksburg

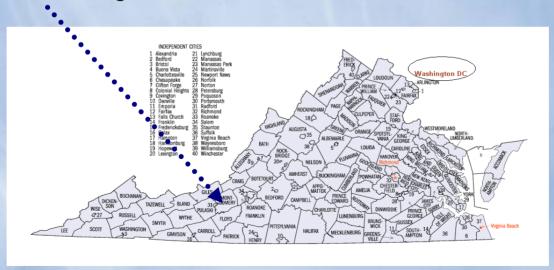
- Who is this guy?
 - Steve Jones, Director of Technology
 - 540-558-0726
 - sjones@blacksburg.gov
- What is Blacksburg
 - 15th largest municipality in Virginia
 - Home of Virginia Tech University
 - -41,000 residents (26,000 VT Students)



Town of Blacksburg

- Where is Blacksburg?
 - New River Valley 42 miles from Roanoke

Town of Blacksburg





Broadband and Wi-Fi

Today's Presentation

- What are we doing regarding Broadband
- How are use Wi-Fi
- What are we planning with Wireless
- Questions



What are we doing?

- Extensive Partnering
 - Virginia Tech
 - Other Government Entities
 - Private sector
- Planning District Commission (PDC) initiative
 http://www.nrvpdc.org/NRVTelecomPlan/NRVTelecomPlan.html
- Evangelism to elected officials AND staff
- Local Meet Point MSAP
 - Multimedia Services Access Point http://www.bev.net/services/msap.php
- Conduit projects of opportunity...













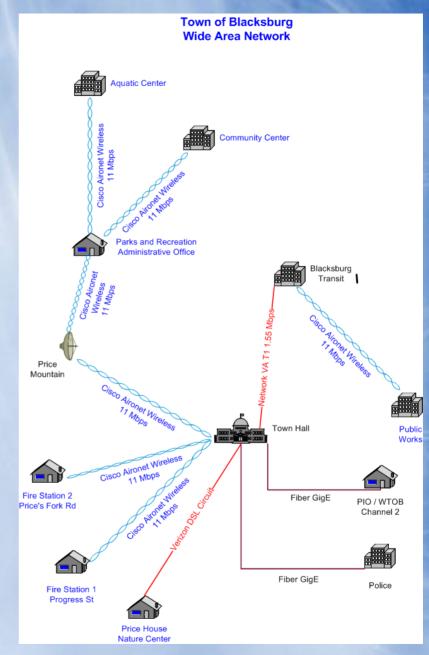


Blacksburg Wi-Fi

- Four year old Wi-Fi network Backbone
 - -802.11b
 - Connecting eight sites (100+ employees)
 - Project ROI less than 2 years
- Replacing with fiber and 802.11a
 - We need more bandwidth!



TOB Wireless Network





Blacksburg Wi-Fi

- Instrumented City
 - 900 MHz to synchronize traffic signals
 - Route Data Modeling
- In-building Wireless 802.11a,b, g
- Home wireless for elected officials, staff
- Purchase of Wi-Fi enabled laptops, PDA's



Blacksburg Wireless

- Wireless Data Infrastructure RFP
 - Cable Modem speed wireless for:
 - Citizens increase competition
 - Public Safety Police, Fire, Rescue
 - Mobile product data in the field
 - Government services bus, inspections, AVL
 - Economic development
 - Near 100% coverage of Town
 - Replicate through New River Valley
 - Should be in place in next 12 months



Questions?

With the right planning and creativity
Broadband and Wireless should not cost...

