

# Statewide High Speed Network

networkMaryland Advisory  
Group Meeting

March 21, 2006

Annapolis, Maryland





# MEETING AGENDA



- Welcome & Introductions
- State of the Network
- Status of Project
- Rural Broadband Cooperatives
- Other Business



# Welcome



- Introductions
- Jason Ross – Director
- Ellis Kitchen – State CIO
- Meeting Minutes Approval



# MEETING AGENDA



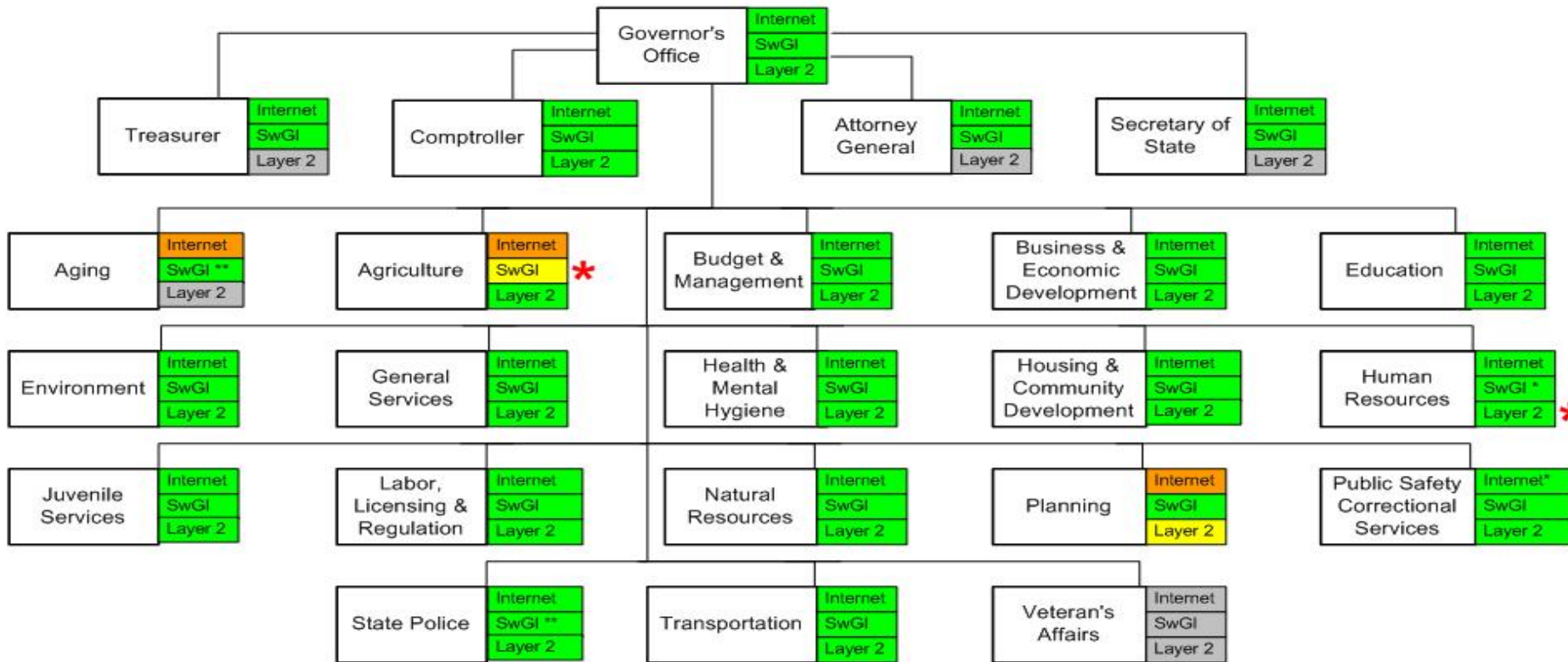
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# Operational Customers

- 55 Subscribers today
- Circuit Breakdown
  - 66 ISP Circuits
  - 66 SwGI Circuits
  - 866 Layer 2 Circuits

# Executive Branch networkMaryland Subscribers as of March 17, 2006



## Legend:

Agency is Not Receiving networkMaryland Service - A Cost Savings exists if networkMaryland provides service
Agency Expressed Interest in Receiving networkMaryland Service
Agency is in Process of Receiving networkMaryland Service (JCR submitted)
Agency is Receiving networkMaryland Service
Size of Agency is small and does not realize a significant cost savings by connecting to networkMaryland or the service is not required

\* - Denotes a change from the last Advisory Group Meeting Presentation  
 \* networkMaryland Provisioning has been completed, Department is in process of migrating to service  
 \*\* Agency is receiving networkMaryland service through parent, primary agency

# Non-Executive Branch networkMaryland Subscribers as of March 17, 2006

Charles County Government	Internet SwGI Layer 2	Office of People's Council	Internet SwGI Layer 2	State Lottery	Internet SwGI Layer 2	University System of Maryland	Internet SwGI Layer 2	Frederick County Government	Internet SwGI Layer 2						
State Board of Elections	Internet SwGI * Layer 2	Maryland State Archives	Internet * SwGI Layer 2	Department of Assessment and Taxation	Internet SwGI Layer 2	MIEMMS	Internet SwGI Layer 2	Montgomery County Government	Internet SwGI Layer 2						
Commission of Human Relations	Internet SwGI Layer 2	Office for Children	Internet SwGI Layer 2	Office of Public Defender	Internet SwGI Layer 2	Office of Legislative Auditors	Internet SwGI Layer 2	Prince Georges County Government	Internet SwGI Layer 2						
Workers' Compensation Commission	Internet SwGI * Layer 2	State Retirement Agency	Internet SwGI Layer 2	Judiciary	Internet SwGI Layer 2	Alleghany County Board of Education	Internet SwGI Layer 2	Dept. of Rehabilitative Services	Internet ** SwGI** Layer 2						
MD Higher Education Commission	Internet SwGI Layer 2	College Savings Plans of Maryland	Internet SwGI Layer 2	Maryland State Retirement Plan	Internet SwGI Layer 2	Maryland Emergency Management Agency	Internet * SwGI Layer 2	Maryland School for the Deaf	Internet SwGI Layer 2						
Public Service Commission	Internet SwGI Layer 2	Baltimore City	Internet SwGI Layer 2	MD Insurance Administration	Internet SwGI * Layer 2	MD General Assembly	Internet SwGI Layer 2	College of Southern MD	Internet SwGI Layer 2						
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# Operations

## Milestones\New Business

- Internet Service Bandwidth Upgrade – 350 Mbps!
- DJS sites (migration to nwMD – 23 sites)
- MTA Light Rail sites (migration to nwMD – 18 sites )
- Connection to Prince George's County turned up
- Legacy FMIS migration underway
  - VPN Concentrator – initial configuration
- SMTP Mail Relay service at 6 St. Paul - functional
- DNS Server at UMCP – turned up and functional
- Legislative Audit – 2 major findings, all addressed
  - Contract Oversight
  - Disaster Recovery





# Upcoming Tasks



- Customers on the Horizon
  - AA County – physical connectivity established. Pending equipment procurement. Turn-up expected to be smooth.
  - MEMA – benefiting from Contract Mod for their migration
  - WCC – fortifying their core network with our assistance
  - DJS – Implementing remaining Layer 2 Services (Estimated 30 sites left)
  - DHR – Implementing Layer 2 Services (CHESSIE project)
  - MSDE Office of Child Care WAN build-out (14 sites)
  - Legacy FMIS customers (Estimated 33 sites)



# Circuit Provisioning and Acceptance

- 214 circuits are currently in the customer's testing/implementation phase
- 39 new circuits have been provisioned since the last meeting
- 39 circuits have been accepted by the customer since the last meeting



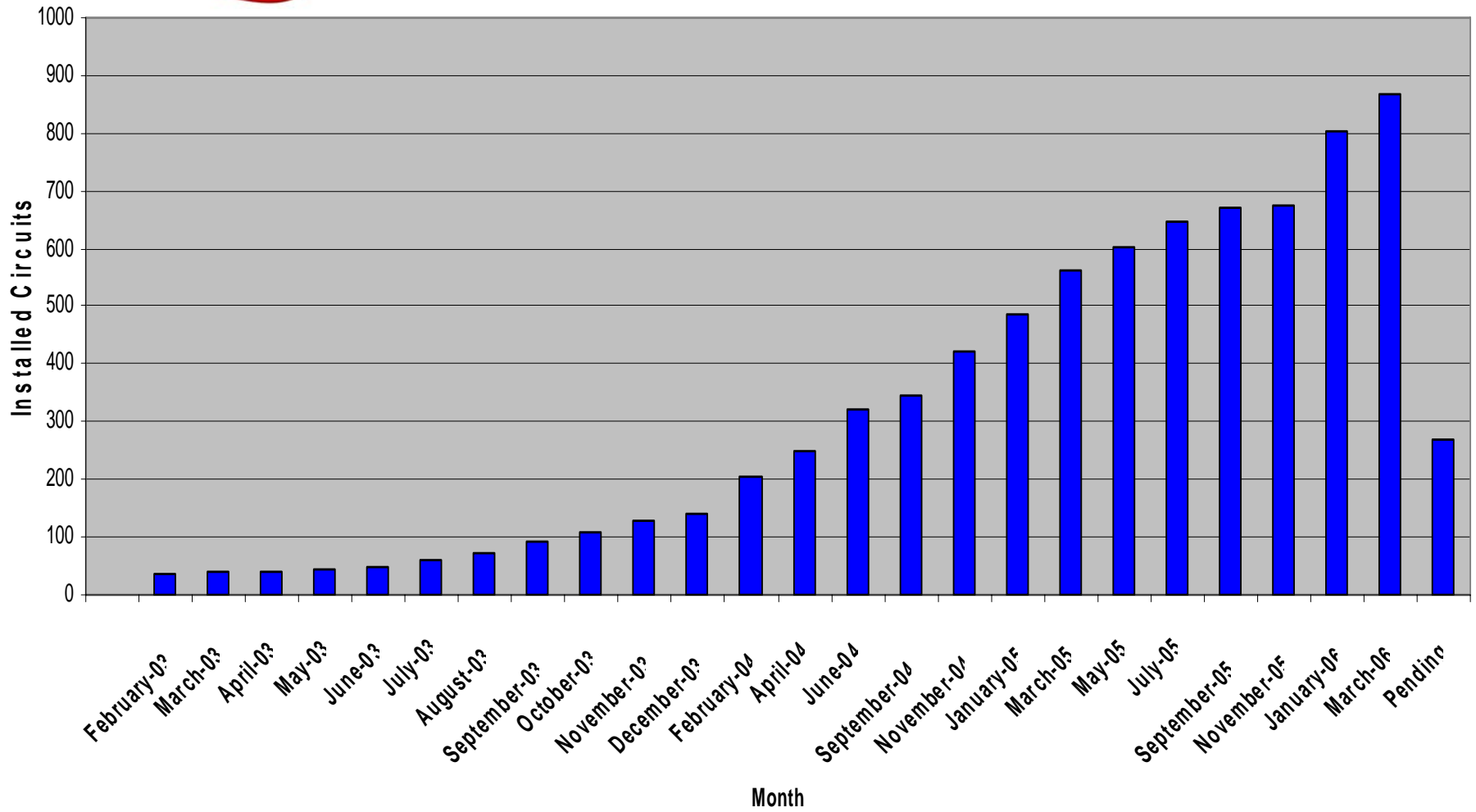
# Network Operational Status



- Growth Chart



# networkMaryland Installed Circuit Chart





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# Project Status



- Western Maryland
  - Backbone is complete
- Southern MD
  - Backbone is complete
- Stabilizing the Core:
  - Annapolis spur:
    - Conduit installed for Segment 1 and Segment 2
    - 30 days for completion of the build to the Parole Tower
    - 60 days for completion of the build to Annapolis



# Project Status



- Eastern Shore Microwave Backbone
  - Working on Last Mile Projects
- I-270 PoP
  - Migration tentatively scheduled for this week.
  - Need final approval from the customer for the outage.



# Project Status



- Westminster MSC: Using a combination of Fiber and Microwave to create the Carroll County PoP
  - Serves the MSC, State Police, MVA and County
  - Fiber route build complete in Hereford (I-83 to Hereford SHA shop)
  - Microwave Hop scheduled to be aligned this week to complete the path
- JIS Data Center:
  - Construction underway to tie them into AMAN





# Project Status



- Elkton MSC: Will be connected via a Leased circuit, future direct fiber connection site.
- Leonardtown MSC: Will be connected via a Leased circuit. Working on a fiber route and Pole attachment agreements
- Ellicott City MSC: Will be connected via a Leased circuit.



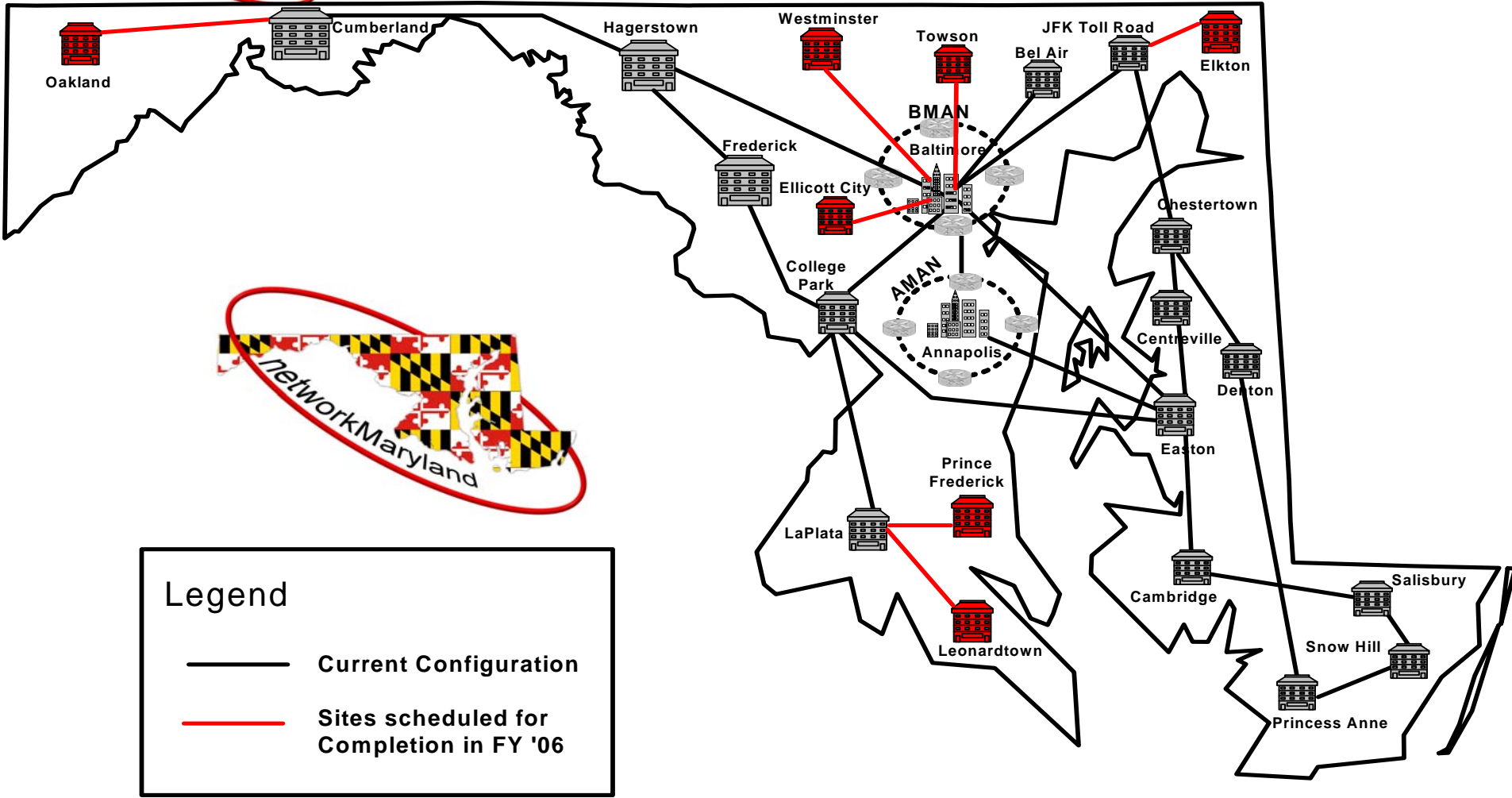
# Project Status



- Prince Frederick (Calvert County): Working with County Government to install Verizon DS-3. Tower space has been provided by the County for a future microwave connection once the LaPlata SHA tower is constructed.
- Towson (Baltimore County): Working with MDOT on the MOU.
- DWDM Ring
  - Partnership with USM, MDOT
  - Adding additional fiber route for diversity
  - Hardware decision has been made (MRV).



# networkMaryland Overview (March 2006)





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# Rural Broadband Coop.



- HB1511/SB789
- Authorizing the creation of a State Debt not to exceed \$2,000,000, the proceeds to be used as a grant to the Board of Directors of the Lower Shore Broadband Cooperative, Inc. for the planning, design, acquisition, construction, and installation of a statewide fiber optic network; providing for disbursement of the loan proceeds, subject to a requirement that the grantee provide and expend a matching fund; establishing a deadline for the encumbrance or expenditure of the loan proceeds; etc.



# Rural Broadband Coop.



- HB1156/SB753
- Establishing the Rural Broadband Coordination Office in the Department of Business and Economic Development; requiring the Office to coordinate with specified entities for the establishment of rural broadband telecommunication services in rural and underserved areas; establishing a Rural Broadband Assistance Fund (\$10 Million) as a special fund in the Office for specified purposes; authorizing rural broadband nonprofit cooperatives to organize under the laws of the State; etc.



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# Other Business



- CSC MSC Contract Modification Complete
  - Add NOC and Engineering Services for other State agencies as a service of networkMaryland
    - Offering Three Support Tiers to meet the users needs
      - 1.) 24/7 NOC Monitoring and Trouble Ticketing
      - 2.) Above plus remote Engineering support and troubleshooting
      - 3.) Above plus Onsite support and Provisioning Services
  - Add Outside Plant construction to allow for the completion of the network build and facilitate partnering





# Thank You



- Meeting Adjourned