

# Statewide High Speed Network

networkMaryland Advisory  
Group Meeting

July 18, 2006

Annapolis, Maryland





# MEETING AGENDA



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



# Welcome



- Introductions
- Gregory Urban – Director
- Ellis Kitchen – State CIO
- Meeting Minutes Approval



# MEETING AGENDA



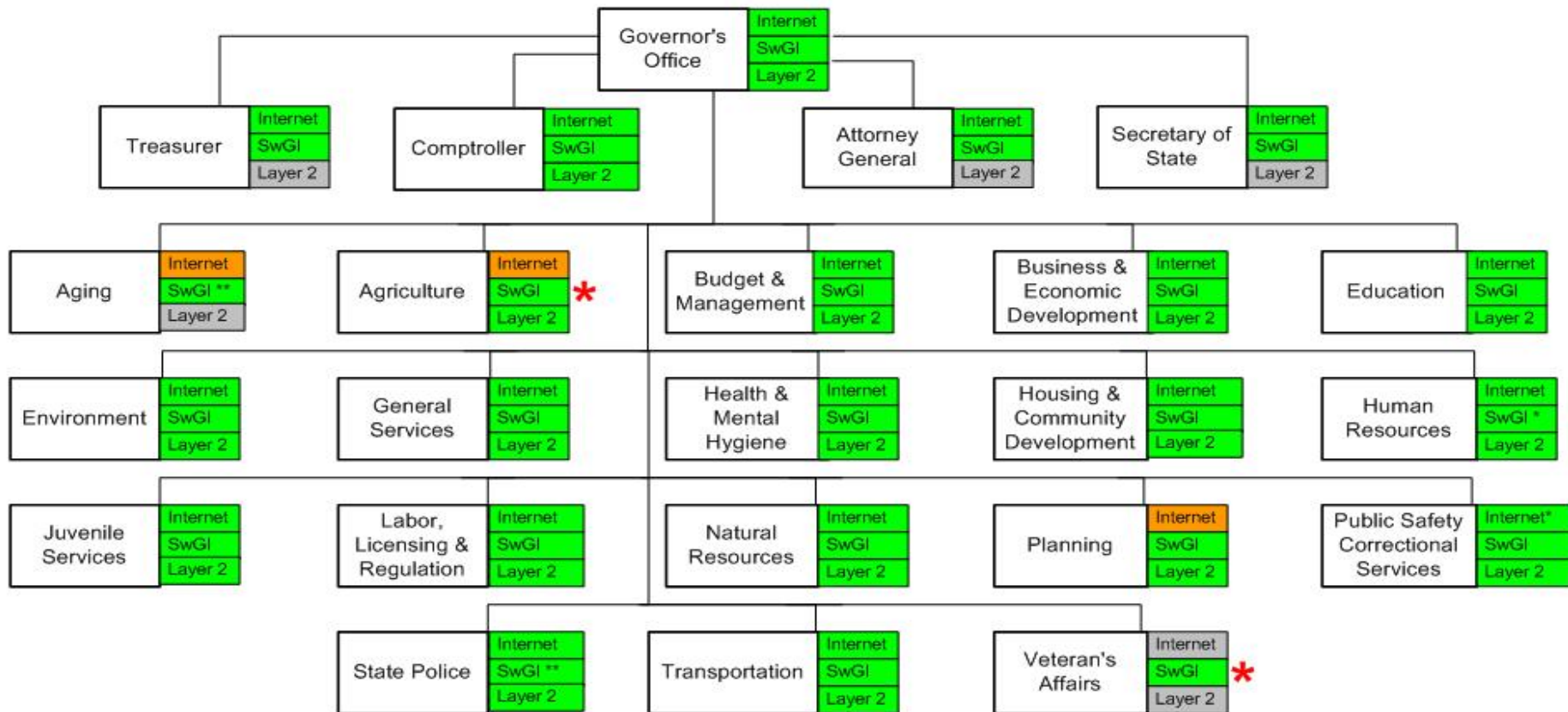
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# Operational Customers

- 65 Subscribers today
- Circuit Breakdown
  - 70 ISP Circuits
  - 70 SwGI Circuits
  - 886 Layer 2 Circuits
  - 11 VPN Connections

# Executive Branch networkMaryland Subscribers as of July 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 July 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
<b>Legend:</b>		Agency Expressed Interest in Receiving networkMaryland Service		CAPWIN		Anne Arundel County Government		Howard County Government	
Agency is in Process of Receiving networkMaryland Service (JCR submitted)		Agency is Receiving networkMaryland Service		Carroll County Gov't		Office of Admin Hearings		MD Auto Insurance Fund	
Size of Agency is small and does not realize a significant cost savings by connecting to networkMaryland or the service is not required		* networkMaryland Provisioning has been completed, Department is in process of migrating to service		** Agency is receiving networkMaryland service through parent, primary agency		MD Stadium Authority		MD Public TV (MPT)	

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# Operations

## Milestones\New Business

- Legacy FMIS migration deadline arrived: June 30, 2006
  - Only 5 remaining customers
  - VPN Concentrator
    - LAN-to-LAN tunnels – 7 agencies connected!
    - VPN clients – 4 agencies operating today!
  - X-LATA T-1's have been submitted to VZ for DISCONNECTION! (10 pvc's!)
  - Challenges:
    - Agencies need funding assistance for labor & equipment
    - General Assembly delayed by Special Session & Year End Closing
- Ordering new SMTP Mail appliance to replace existing e-mail relay.
- Renewed maintenance contracts on existing platforms





# Upcoming Tasks



- Customers on the Horizon
  - CAPWIN (Capital Wireless Integrated Network) – subscribe to SwGI for inter-communications
  - Carroll County Gov't – ISP & SwGI
  - Baltimore County Gov't – pending MOU completion with MDOT
  - Baltimore City State's Atty's Office – connection at 6 St. Paul – ISP services
  - SAILOR Ethernet hand-off @ Elkton
  - Other counties: Calvert, St. Mary's, Howard, Garrett (once the PoP is established in their respective MSC's)
  - VoIP trial with MSP (Northeast to Easton)
    - Placed order for router



# Circuit Provisioning and Acceptance

- 234 circuits are currently in the customer's testing/implementation phase
- 24 new circuits have been provisioned since the last meeting
- 54 circuits have been accepted by the customer since the last meeting!



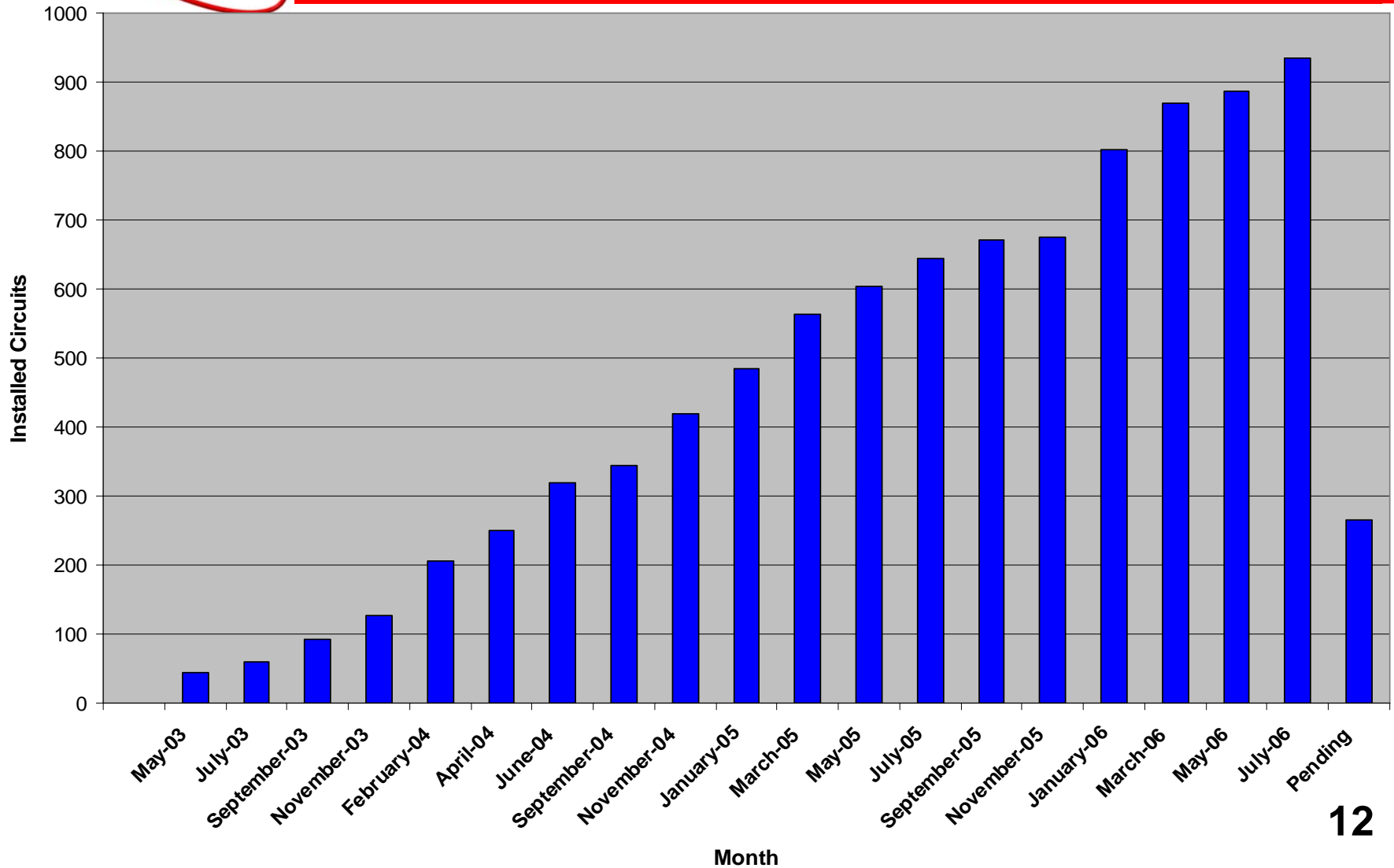
# Network Operational Status



- Growth Chart



## networkMaryland Installed Circuit Chart





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# Project Status



- Western Maryland
  - Garrett County MSC PoP build out is underway.
    - PMP completed
    - Parts to be ordered
  
- Stabilizing the Core:
  - Annapolis spur:
    - Fiber pull for Segment 2 delayed
      - Due to path blockage along Rowe Blvd
      - Alternate path to be determined
    - Fiber termination by CSC to immediately follow.





# Project Status



- Eastern Shore Microwave Backbone
  - Working on Last Mile Projects (MRV gear has arrived!)
  - Deployments should begin shortly
- Teltronics Contract – Microwave link management
  - Awarded in May
  - Will monitor microwave links between ES sites
  - Initial meeting with Teltronics & CSC in June
  - Contact info exchanged
  - Sharing of data and information on signal loss to determine source\cause



# Project Status



- JIS Data Center:
  - AMAN2 Design near completion (based on JIS's & DBM's requirements)
  - Project Management Plan will be started shortly to add this Data Center to the AMAN2
- Elkton MSC: Will be connected via a Leased circuit. (On-going)
- Leonardtown MSC: Will be connected via a Leased circuit. Able to gain 2<sup>nd</sup> pair of fiber for remote management purposes. (On-going)
- Ellicott City MSC: Will be connected via a Leased circuit. Waiting on electricians to install power outlets at PoP. (On-going)



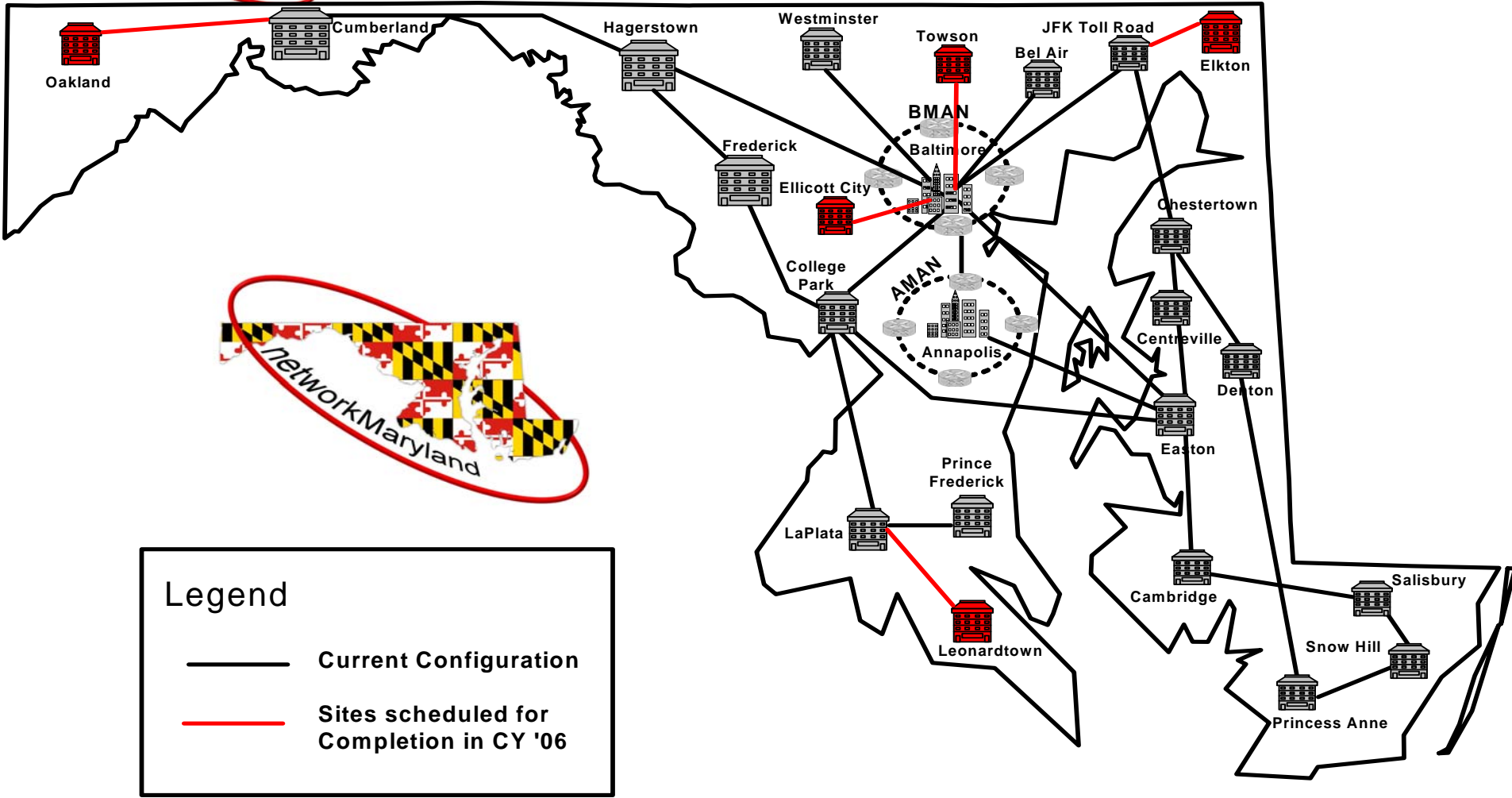
# Project Status



- Prince Frederick (Calvert County):
  - Complete; Pending Acceptance
- DWDM Ring
  - Partnership with USM, MDOT
  - Adding additional fiber route for diversity
  - Equipment installation has started
  - Currently waiting for Baltimore City fiber completion



# networkMaryland Overview (July 2006)



**Legend**

- Current Configuration
- Sites scheduled for Completion in CY '06





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# Other Business



- Items for discussion from the Group
- Closing Questions or Comments





# Thank You



- Meeting Adjourned