

DOE Broadband Projects

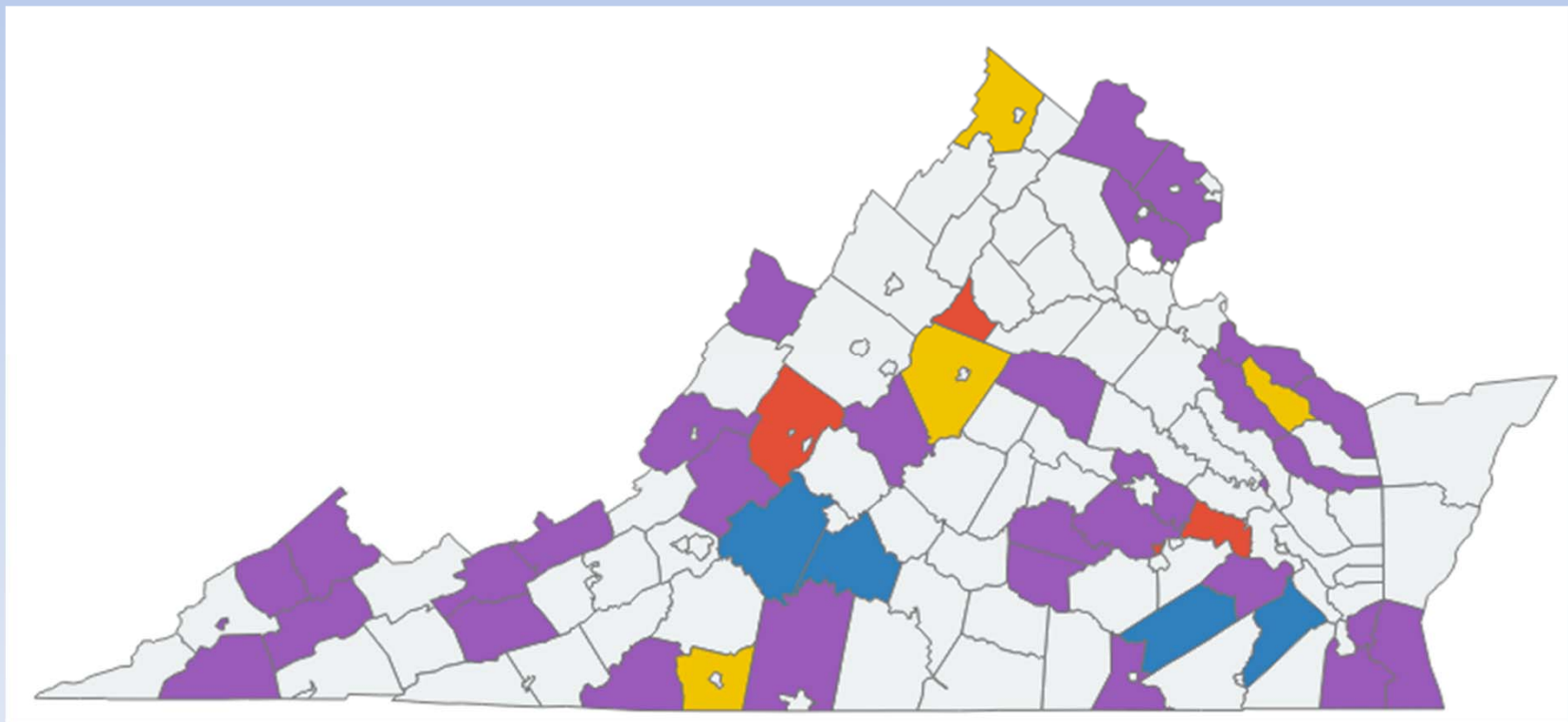
- Funding for broadband projects will be submitted to the Governor for inclusion in proposed budget to the General Assembly
- Project lead: Bobby Keener, Chief Technology Innovations Officer
- Builds on work done in partnership with Education Superhighway

DOE Broadband Projects

- Previous work with ESH involved determining Internet access and LEA access costs
 - eRate Item 21 Pricing Portal used
- Results of data collection provided to DOE and reported to the Board of Education
- Regional consortium meetings and tour around state done by ESH
- Regional summit held in Harrisonburg

Division Outreach

Category	Division
Appear to lack fiber (Red)	Charles City, Colonial Beach, Colonial Heights, Grayson, Rockbridge, Virginia School for the Deaf and Blind
Not utilizing MBC (Blue)	Bedford, Campbell, Isle of Wight, Sussex
Bright Spots (Yellow)	Albemarle, Frederick, Richmond Co., Henry Co.
Other priority divisions (Purple)	28 additional divisions that span the range of additional issues (total = 42)



How We Will Accomplish This

PHASE 1: Research and Assessment
Fall 2014

PHASE 3: Develop and Test Model Solutions to Improve Connectivity
Spring 2015 - Summer 2015

Researching and applying best practices to meet the specific needs of Virginia

PHASE 2: Division Engagement
Winter 2015

Listening campaign to understand the root causes of divisions' connectivity challenges and assess their desire for help from the state and ESH; begin outreach to providers

PHASE 4: Adoption and Implementation
Fall 2015 - Fall 2018

Support divisions and VDOE in implementing solutions

DOE Broadband Projects

- Next steps
- Proposal for funding of three separate projects will be presented to Governor for inclusion in next state budget
 - Fiber
 - Broadband Access
 - Wi-Fi (Managed Internal Broadband Services)

DOE Broadband Projects

- Fiber
 - Special fiber construction projects eligible for additional 10% matching funds from eRate program
 - Construction involves the laying of fiber
 - Dark and lit fiber
 - Monthly Internet access costs not included
 - Funding will be proposed by Secretary of Technology to include not just schools and libraries (municipalities, hospitals, etc.)

DOE Broadband Projects

- Broadband Access
 - Funding for potential statewide projects or regional consortia projects (such as Shenandoah Consortium)
 - Funding seeks to increase bandwidth needs
 - Federal definition of broadband changed from 4MB/s to 25MB/s
 - VITA will assist with creation of possible RFP from the DOE and will use the project to gain knowledge for future RFP from VITA for state master contracts
 - Bobby has worked with several VITA projects
 - In conjunction with The Friday Institute and ESH a survey of broadband needs has been sent (October 1) to LEAs
 - Survey sent October 1; response deadline of October 14
 - Sent to Information Technology Directors
 - The Friday Institute assisted New Jersey and other states on similar projects
 - Funding will include not just broadband access, but managed support

DOE Broadband Projects

- Wi-Fi (Managed Internal Broadband Services)
 - In conjunction with The Friday Institute and ESH, a needs assessment also sent to LEA for responses
 - Survey to determine school needs (within schools, not just division level)

DOE Broadband Projects

- Funding request to Governor includes:
 - A dedicated eRate position at the DOE
 - Technical Support for LEAs (3)
 - Network Designers (3)
 - Program Manager
 - School Security Position