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

<table>
<thead>
<tr>
<th>Category</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appear to lack fiber (Red)</strong></td>
<td>Charles City, Colonial Beach, Colonial Heights, Grayson, Rockbridge, Virginia School for the Deaf and Blind</td>
</tr>
<tr>
<td><strong>Not utilizing MBC (Blue)</strong></td>
<td>Bedford, Campbell, Isle of Wight, Sussex</td>
</tr>
<tr>
<td><strong>Bright Spots (Yellow)</strong></td>
<td>Albemarle, Frederick, Richmond Co., Henry Co.</td>
</tr>
<tr>
<td><strong>Other priority divisions (Purple)</strong></td>
<td>28 additional divisions that span the range of additional issues (total = 42)</td>
</tr>
</tbody>
</table>
How We Will Accomplish This

PHASE 1: Research and Assessment
Fall 2014

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 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 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 form 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