Broadband Access for Idaho Schools (K-12)

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IEN ➔ HSBP ➔ EORC

• IEN (2008 – Spring 2015)
  • Idaho Education Network

• HSBP (Spring 2015 – June 2016)
  • High School Broadband Program

• EORC/Broadband Program (July 2016 – Present)
  • Education Opportunity Resource Committee

• BIIG (July 2016 - Present)
  • Broadband Infrastructure Improvement Grant
• Idaho Code §33-5601 - §33-5605

• Broadband program oversight committee (schools and libraries)

• Serve E-rate eligible entities’ broadband needs
  • Technical guidance, security guidance, E-rate guidance, procurement guidance, funding
  • Related services
  • 1 Gbps per 1,000 Students/Staff (expandable)
  • Evaluate and recommend (bandwidth utilization)

• Broadband program covers cost of internet/WAN not discounted by E-rate
Bandwidth Over Time

Bandwidth Reimbursed vs. Cost per Mbps

FY2014 (FY1)
FY2015 (FY2)
FY2016 (FY3+$50M+MSP)
FY2017
FY2018
FY2019

Cost per Mbps
Bandwidth Reimbursed

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Overview

• E-rate
  • Provides discounts for
    • Category 1 - Internet Access and Wide Area Networks
    • Category 2 - Internal Connections (wireless, cabling, switching)
  • Must follow competitive bidding process
  • SDE E-rate Coordinator provides support and assistance to schools with the E-rate process
    • Regional training
    • One-to-one support
    • Online training
  • All 167 district and charter connections reimbursed through EORC filed for E-rate
## E-rate

### 2019 – 2020 Requested

<table>
<thead>
<tr>
<th>Category</th>
<th>E-rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1 (Internet/WAN)</td>
<td>$ 14,522,085</td>
<td>$ 18,551,587</td>
</tr>
<tr>
<td>Category 2</td>
<td>$ 4,938,976</td>
<td>$ 7,078,888</td>
</tr>
</tbody>
</table>

### 2018 – 2019 Funded

<table>
<thead>
<tr>
<th>Category</th>
<th>E-rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1 (Internet/WAN)</td>
<td>$ 8,430,328</td>
<td>$ 11,332,832</td>
</tr>
<tr>
<td>Category 2</td>
<td>$ 3,938,149</td>
<td>$ 5,829,801</td>
</tr>
</tbody>
</table>
167 reimbursed IA connections serving ~900 buildings
- 111 Fiber Ethernet
- 143 connections >= 100 Mbps
- 41 connections >= 1 Gbps
- 5 connections do not meet broadband definition (< 25Mbps) - 3 of which are non-instructional facilities
Broadband Infrastructure Improvement Grant (BIIG)

- Idaho Code §33-910
- Number of approved projects to date: 19
- Number of buildings impacted: 58
- Total cost of projects: $10,664,274
- BIIG funds committed: $884,209
- Anticipated cost to LEAs for these projects: $0
Examples of projects to underserved locations

- Examples of projects completed or underway
  - Idaho City – Fiber project recently completed. Provider is also serving community.
  - Leadore – Microwave project completed. Provider is also serving homes.
  - Clark Fork – Recent project laid fiber across Lake Pend Oreille to serve school
  - Avery – In process: fiber build to Calder, ID (through St. Maries)
  - Orofino – Two fiber projects are connecting Weippe and Pierce to Orofino
  - Riggins – Fiber project completed to school
  - Jefferson County – Project underway to connect all schools with fiber WAN
  - Boundary County – Completed project connects all schools with fiber WAN
  - Forrest Bird Charter – Completed project connects school to fiber internet
  - COSSA (Wilder) – Completed project connects school to fiber internet

- Examples of potential upcoming projects this E-rate cycle
  - Melba
  - Culdesac
  - Nezperce
  - Craigmont
  - Potlatch
  - Wendell
  - White Pine School District (Deary/Bovill)
  - Emmett School District (Emmett/Sweet/Ola)
Questions

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