Nevada Governor’s Office of Science, Innovation and Technology (OSIT)

Phase I – High Speed NV Initiative
Agenda

- Overview of the State Goals
- High Speed NV Initiative Overview
- Digital Equity
Broadband Vision:

Universal Access to broadband that is
- Affordable
- Reliable
- Scalable

How We Get There:

- Collaboration and Partnerships
- Efficient use of funds
- Long-term Investments
PHASE I

Use of American Rescue Plan Act Funds for Broadband
State and Local Coronavirus Fiscal Recovery Fund (SLFRF)

• $1.8 billion available for the State
  • Broadband Infrastructure is an eligible use of funds- $200m allocated by the Legislature
  • Other Priorities: Affordable Housing, Education, Healthcare, Childcare

• Broadband infrastructure must go to unserved areas

• The State will follow a competitive process to distribute funds

• Best Use of Funds—Private Government WAN
**State/Local Facilities Overview**

<table>
<thead>
<tr>
<th>Category</th>
<th>Entities Connected</th>
<th>Miles of Fiber</th>
<th>Total Cost</th>
<th>Federal Match</th>
<th>State Funds</th>
<th>ARPA Request</th>
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*OSIT estimates of build costs and funding sources*
Map of State/Local Facility Locations
State Facilities in Douglas County

Overlaid with Local Government Facilities
State Facility RFP
A Preview
• Goal is to bring fiber to State Facilities (“Z” Location)
• State will contribute a significant portion of construction costs
• Resulting infrastructure can be routed through provider PoPs
  • Design of route is up to the provider
• Must terminate (“A” location) at near-by State PoP
• RFP released in next 60-90 days
• RFPs will be separated into geographic clusters
Service Options for State Agencies

- Dark fiber handoff in a demarcation room
- Layer 2 Lit Fiber (MAC Address Only) handoff in a demarcation room
- Layer 3 Lit Fiber (IP Routing) handoff in a demarcation room
- Want bids on all three for all facilities in an RFP cluster
- SLA will be comparable to BEAD SLA with more stringent latency requirements
  - 99.995% uptime
  - 25ms roundtrip latency to the State PoP
State Requirements

• A 36 strand – 30-year IRU on each new build
  • State Contribution includes:
    • All lease costs
    • 30 years of routine maintenance
    • Input on interconnect locations
  • Used for growth of demand for bandwidth
  • Used for anticipated data privacy requirements
  • Sublease if Provider fails to meet SLAs for State Facilities
  • Sublease if Provider fails to serve nearby unserved and underserved residential areas
Key Criteria for selections

• Cost of service (Highest weighted for E-rate and Rural Healthcare)
• Management, technical, operational ability to deliver projects
• Track record working with state facilities
• Meet all the criteria of the RFP
• Build timeline
• Willingness to serve surrounding residential and business
• Non-Discriminatory and Reasonable Access along middle mile
PHASE II

Use of IIJA BEAD Funds for Broadband
LOVELOCK, NV
Timelines and Next Steps
Needs for Digital Equity
Affordable Connectivity Program

- Benefit:
  - Up to $30/month discount for broadband service and associated equipment rentals;
  - Up to $75/month discount for households on Tribal Lands;
  - A one-time discount for $100 for a laptop, desktop, or tablet purchased through a participating provider