



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



**HIGH  
SPEED NV**

Use of American Rescue Plan Act Funds for Broadband



# State and Local Coronavirus Fiscal Recovery Fund (SLFRF)

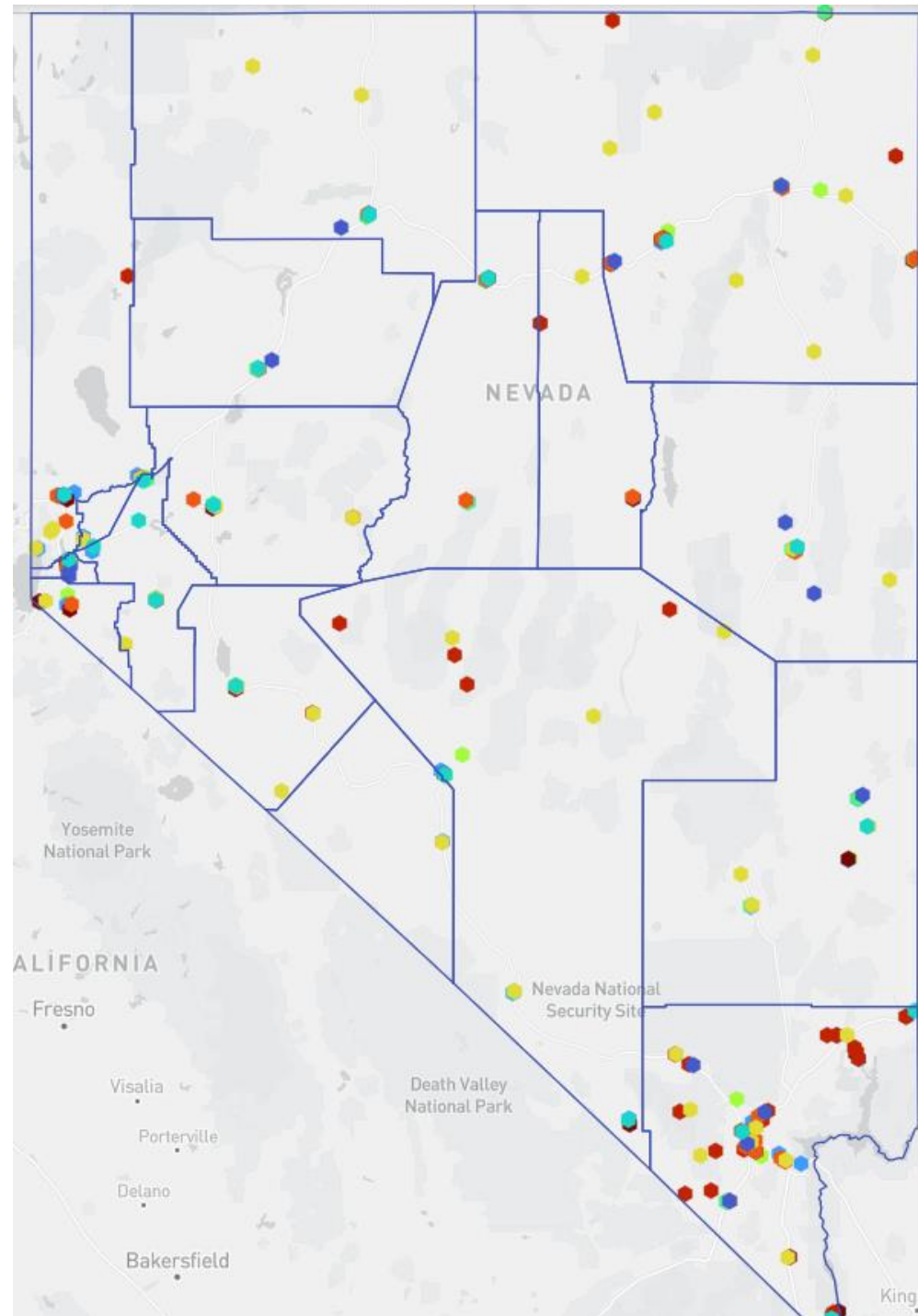
- \$1.8 billion available for the State
  - Broadband Infrastructure is an eligible use of funds- \$200m allocated by the Legislature
  - Other Priorities: Affordable Housing, Education, Healthcare, Childcare
- Broadband infrastructure must go to unserved areas
- The State will follow a competitive process to distribute funds
- Best Use of Funds– **Private Government WAN**

# STATE/LOCAL FACILITIES OVERVIEW\*

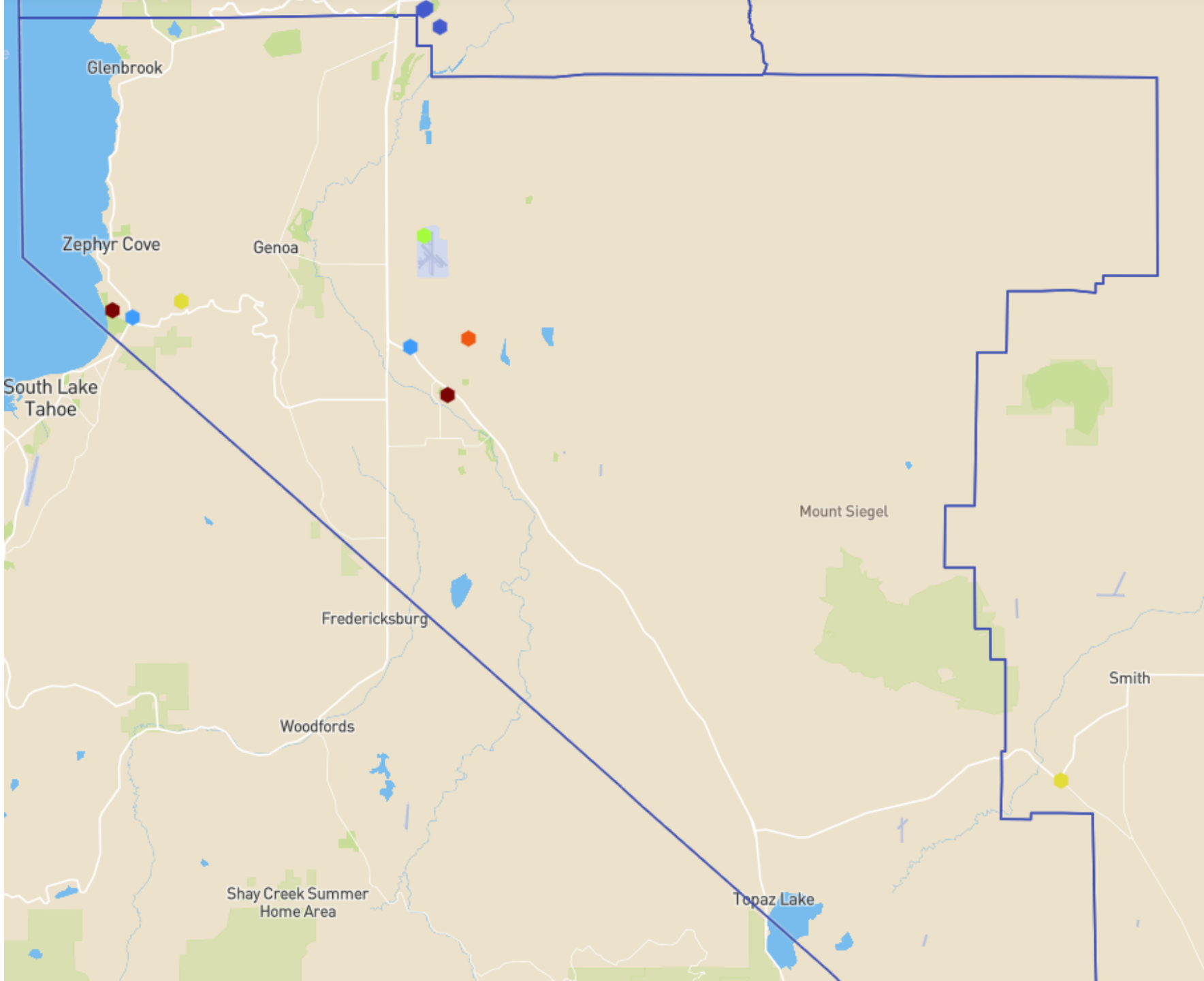
Category	Entites Connected	Miles of Fiber	Total Cost	Federal Match	State Funds	ARPA Request
Schools/Libraries	53	66.99	\$ 73,594,890.00	\$ 67,479,895.50	\$ 1,933,000.00	\$ 4,181,994.50
Corrections	22	203.00	\$ 32,155,200.00	\$ 18,975,528.00	\$0.00	\$ 13,179,672.00
Courts	55	312.85	\$ 33,609,840.00	\$0.00	\$0.00	\$ 33,609,840.00
EITS	13	2.47	\$ 550,800.00	\$0.00	\$0.00	\$ 550,800.00
Behavioral Health	26	1.00	\$ 264,848.13	\$152,951.28	\$0.00	\$ 111,896.85
NDOT	42	143.67	\$22,757,880.00	\$0.00	\$0.00	\$ 22,757,880.00
NSHE	N/A	1.00	\$16,330,000.00	\$0.00	\$0.00	\$ 16,330,000.00
NDPS	12	14	\$2,285,563.20	\$0.00	\$0.00	\$ 2,285,563.20
<b>Totals</b>	<b>223</b>	<b>745.41</b>	<b>\$ 181,549,021.33</b>	<b>\$ 86,608,374.78</b>	<b>\$ 1,933,000.00</b>	<b>\$ 93,007,646.55</b>

\*OSIT estimates of build costs and funding sources

# MAP OF STATE/LOCAL FACILITY LOCATIONS



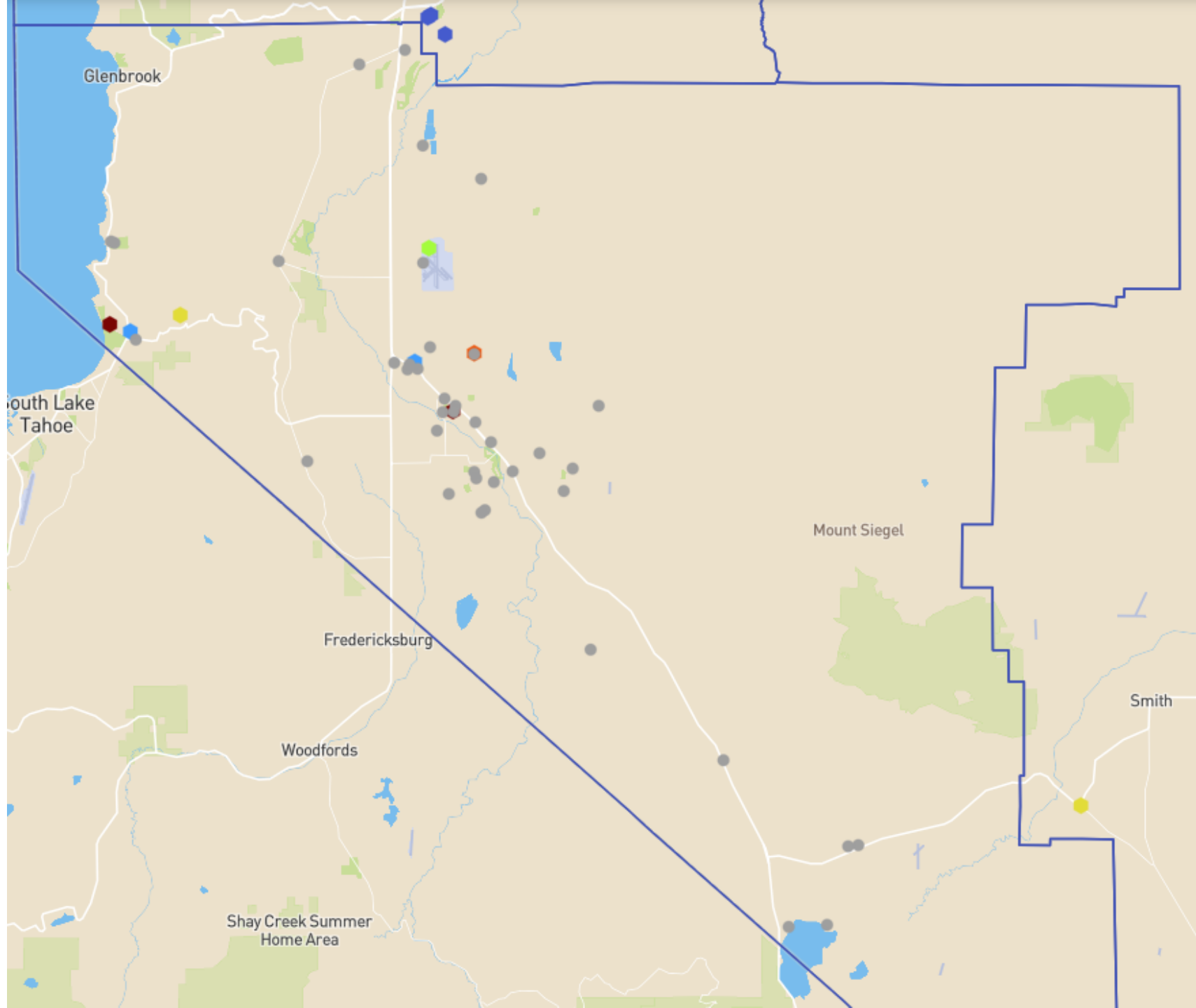
# STATE FACILITIES IN DOUGLAS COUNTY





**STATE  
FACILITIES IN  
DOUGLAS  
COUNTY**

**OVERLAID  
WITH LOCAL  
GOVERNMENT  
FACILITIES**



# State Facility RFP A Preview

# State of Nevada ARPA Coronavirus Fiscal Recovery Fund

- 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

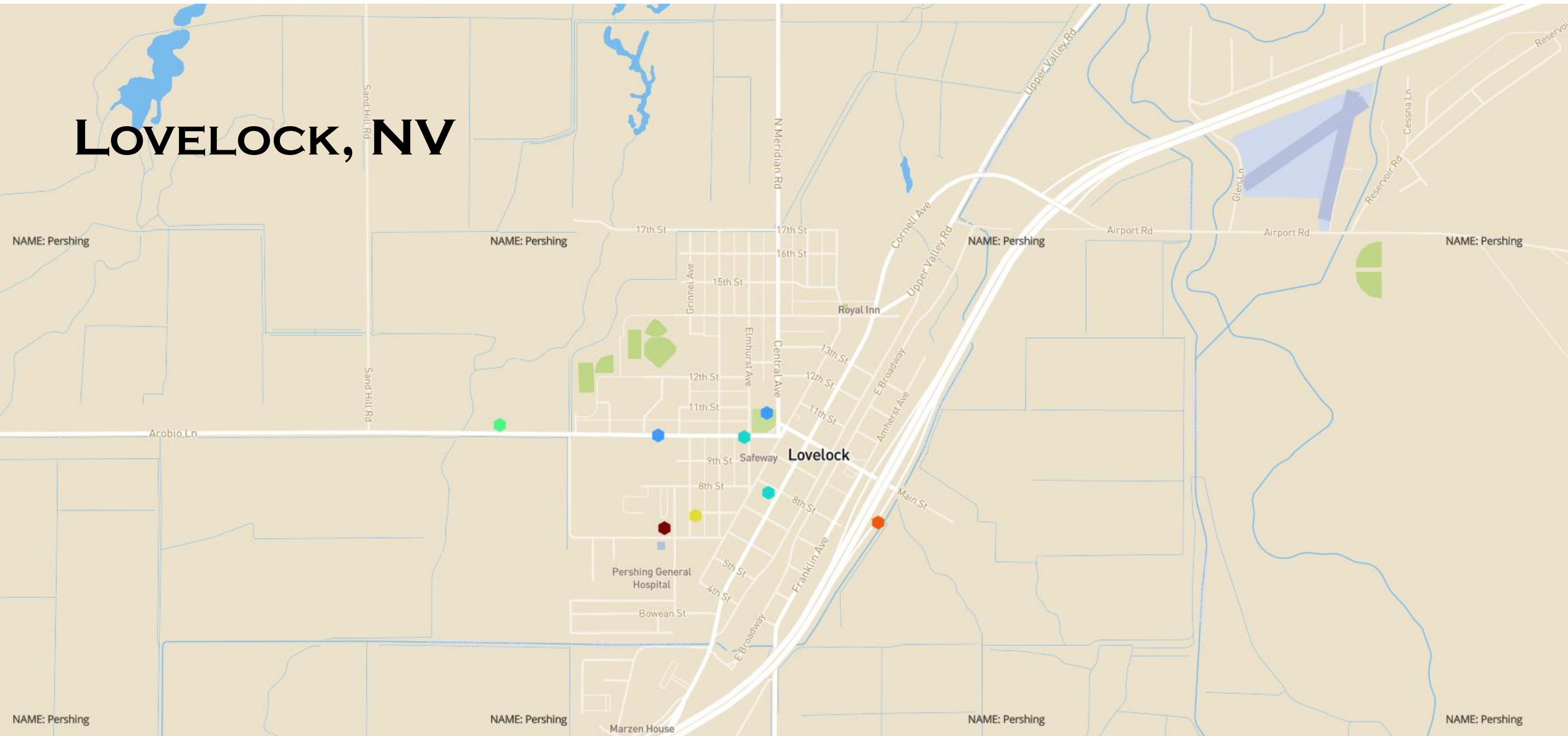
# PHASE II

Use of IIJA BEAD Funds for Broadband



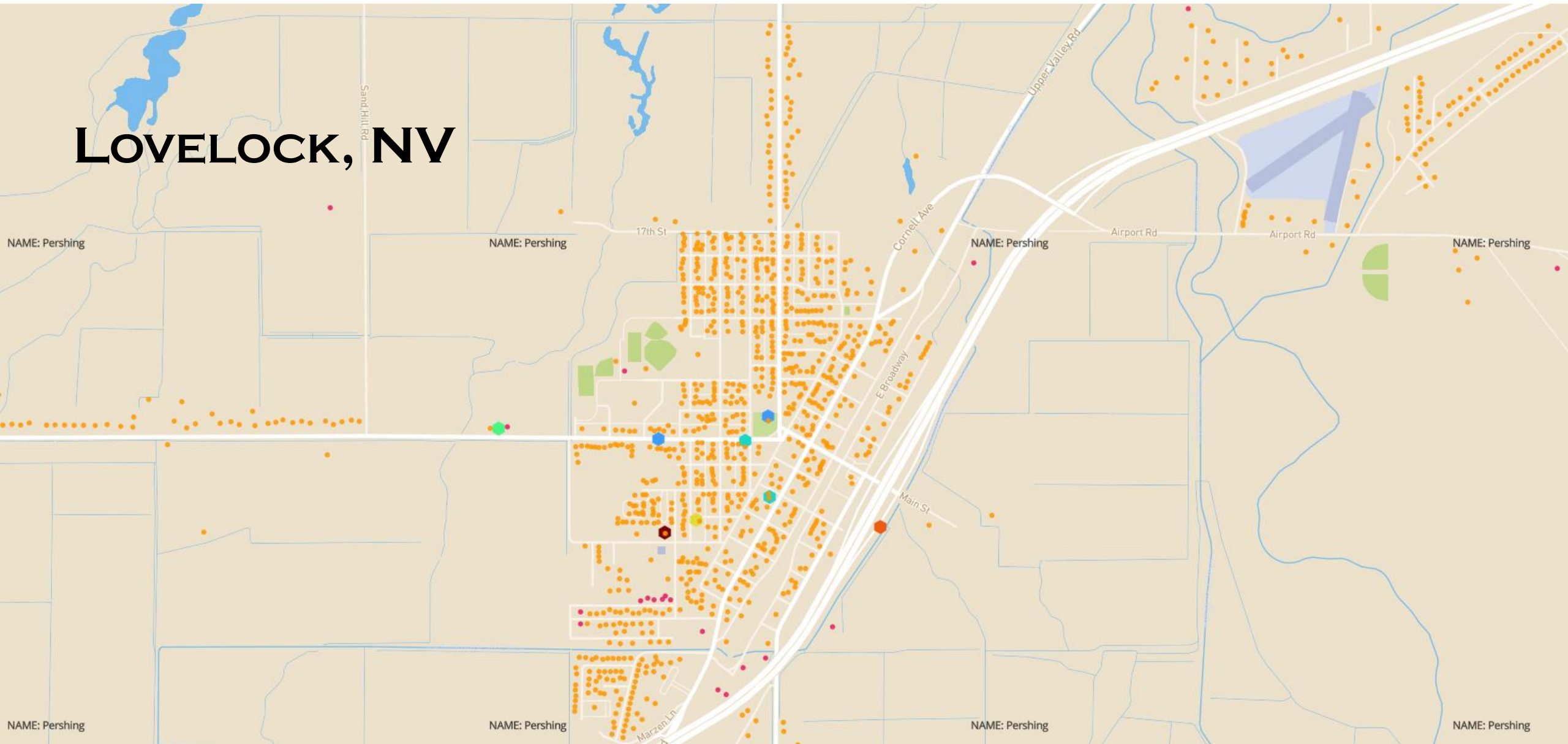
# HIGH SPEED NV

# LOVELOCK, NV





# LOVELOCK, NV





# TIMELINES AND NEXT STEPS



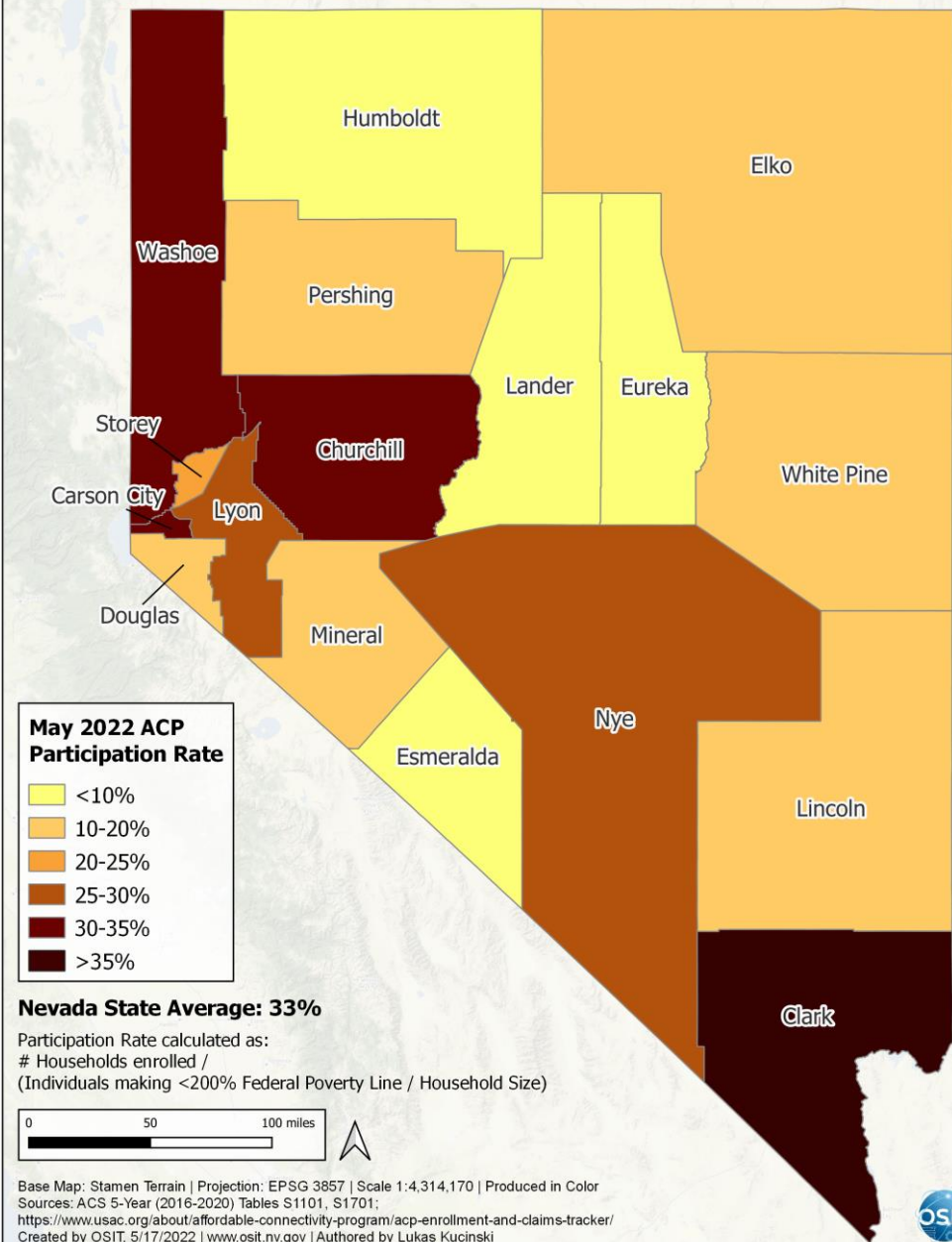
# NEEDS FOR DIGITAL EQUITY

# 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

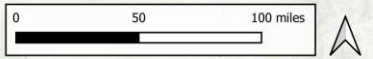
# Affordable Connectivity Program (ACP) Nevada Participation Rates (May 1, 2022)



**May 2022 ACP Participation Rate**

- <10%
- 10-20%
- 20-25%
- 25-30%
- 30-35%
- >35%

**Nevada State Average: 33%**  
 Participation Rate calculated as:  
 # Households enrolled /  
 (Individuals making <200% Federal Poverty Line / Household Size)



Base Map: Stamen Terrain | Projection: EPSG 3857 | Scale 1:4,314,170 | Produced in Color  
 Sources: ACS 5-Year (2016-2020) Tables S1101, S1701;  
<https://www.usac.org/about/affordable-connectivity-program/acp-enrollment-and-claims-tracker/>  
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