

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

Achieving Universal Access  
Through IJA Funding

# AGENDA

- Overview of the State Goals
- High Speed NV Phase I Recap
- BEAD NOFO Summary
- Overview of BEAD Grant Process
- Affordable Connectivity Program Update

# 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)

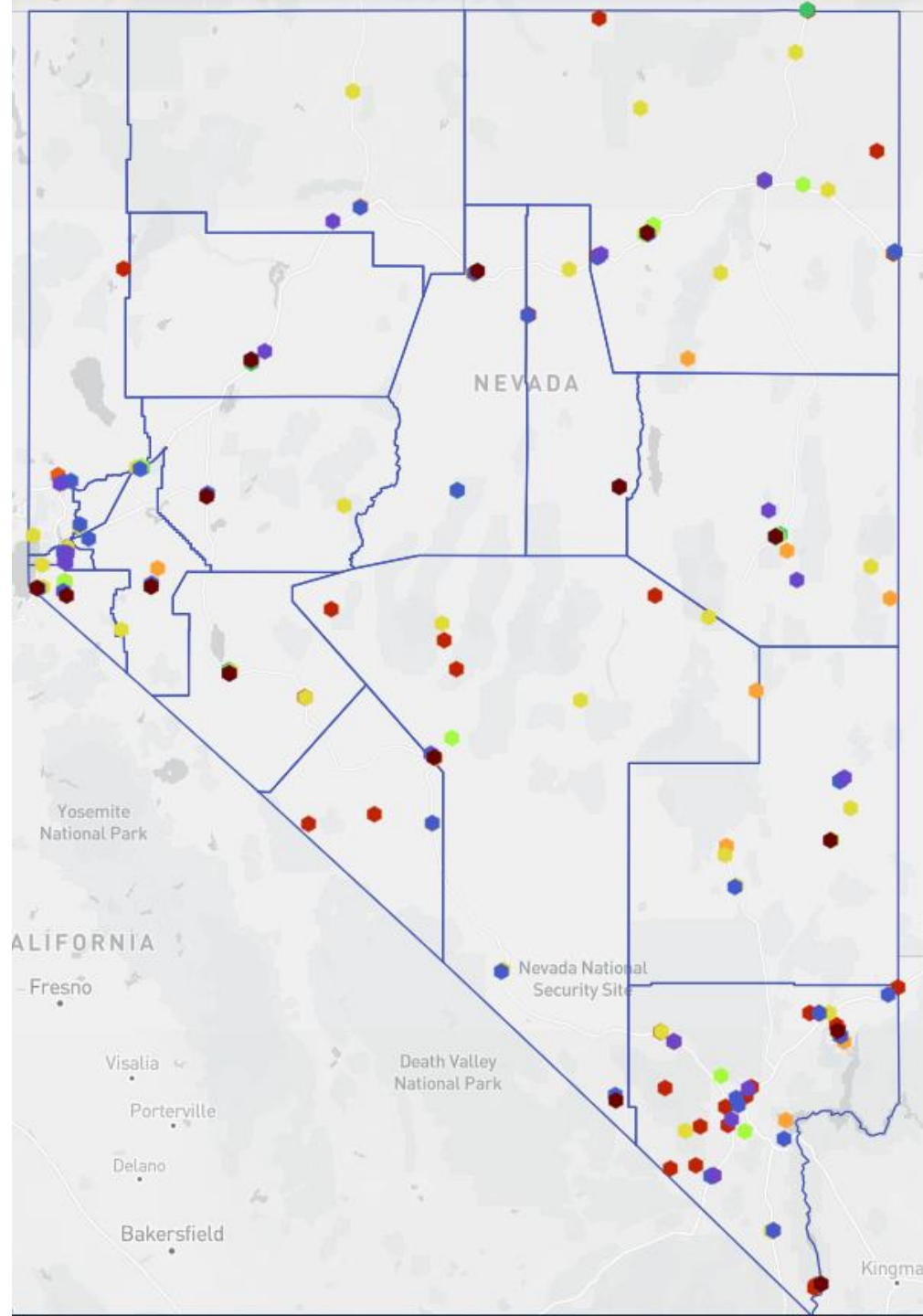
- \$1.8 billion available for the State
  - Broadband Infrastructure is an eligible use of funds- \$200m allocated by the Legislature
  - Other Priorities: Affordable Housing, Education, Healthcare, Childcare
- Broadband infrastructure must go to unserved areas
- The State will follow a competitive process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

# STATE/LOCAL FACILITIES OVERVIEW\*

Summary of State/Local Facilities						
Category	Entites Connected	Miles of Fiber	Total Cost	Federal Match	State Funds	ARPA
Schools/Libraries	58	583.30	\$ 90,160,345.52	\$ 82,995,363.85	\$ 1,933,000.00	\$ 5,231,981.68
Corrections	22	203.00	\$ 32,155,200.00	\$ 18,975,528.00	\$0.00	\$ 13,179,672.00
Courts	55	208.85	\$ 33,609,840.00	\$0.00	\$0.00	\$ 33,609,840.00
EITS	13	4.44	\$ 748,800.00	\$0.00	\$0.00	\$ 748,800.00
Behavioral Health	25	1.00	\$ 264,848.13	\$152,951.28	\$0.00	\$ 111,896.85
NDOT	33	143.67	\$22,757,880.00	\$0.00	\$0.00	\$ 22,757,880.00
NSHE	18	5.00	\$16,964,860.00	\$0.00	\$0.00	\$16,964,860.00
NDPS	13	14	\$2,285,563.20	\$0.00	\$0.00	\$ 2,285,563.20
NDOW	13	8	\$12,208,470.00	\$0.00	\$0.00	\$12,208,470.00
<b>Totals</b>	<b>250</b>	<b>1163.70</b>	<b>\$ 198,947,336.85</b>	<b>\$ 102,123,843.13</b>	<b>\$ 1,933,000.00</b>	<b>\$ 107,098,963.72</b>

\*OSIT estimates of build costs and funding sources

MAP OF  
STATE/LOCAL  
FACILITY  
LOCATIONS



# PHASE II

Use of IIJA BEAD Funds for Broadband



# HIGH SPEED NV





# Infrastructure Investment and Jobs Act (IIJA)- BEAD Fund

## Infrastructure

- \$42.5B in broadband formula grants to States- BEAD Fund
- \$1B Middle Mile competitive grant program
- \$2B for Tribal Broadband competitive grants

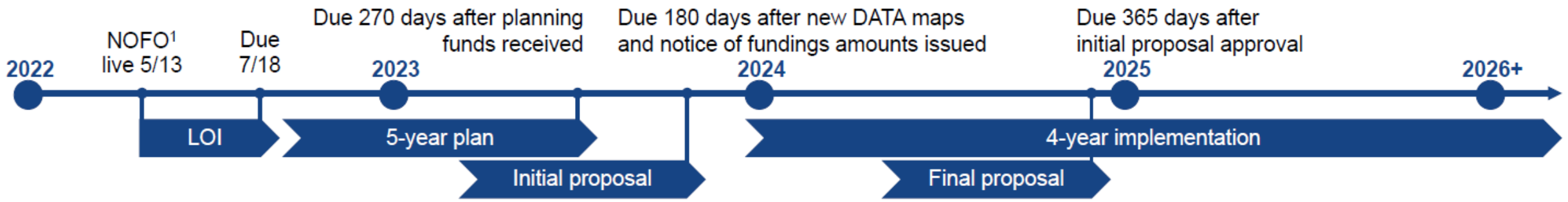
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## Affordability and Digital Equity

- \$14.5B Affordability Connectivity Program – Subsidy to go to \$30/month for non-Tribal | \$75/month for Tribal- individual application
  - \$2.75B in broadband adoption/digital equity programs
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## ESTIMATED TIMELINE

Timeline approximate unless exact date specified





# Infrastructure Investment and Jobs Act (IIJA)- BEAD Fund

## Priority 1

- Complete Coverage of **unserved\*** locations (including deploying Wi-Fi to multi-family buildings)

## Priority 2

- Complete coverage of **underserved\*\*** locations (where funding permits)

## Priority 3

- **Community Anchor Institutions** that lack 1 Gbps symmetrical

\*Unserved defined as below 25 Mbps download 3 Mbps upload

\*\*Underserved defined as above unserved and below 100 Mbps download 20 Mbps upload

# Key Definitions

**Eligible Entity**- The State of Nevada. Eligible Entity will receive BEAD grants and distribute funds to subgrantees.

**Subgrantee**- The Entity that receives grant funds from the Eligible Entity to carry out eligible activities.

**Broadband Service** - meaning it is a mass-market retail service by wire or radio that provides the capability to transmit data to and receive data from all or substantially all internet endpoints, including any capabilities that are incidental to and enable the operation of the communications service, but excluding dial-up internet access service.

Further in the NOFO – Unlicensed wireless and Satellite are outside this definition.

**Community Anchor Institution (CAI)**- a school, library, health clinic, health center, hospital or other medical provider, public safety entity, institution of higher education, public housing organization, or community support organization that facilitates greater use of broadband service by vulnerable populations, including, but not limited to, low-income individuals, unemployed individuals, children, the incarcerated, and aged individuals.

**Eligible Entities may propose additional CAIs outside this definition in their territories**

# Eligible Entity Obligations

- I. Consider All Provider Types**
- II. Ensure Subgrantee Accountability**
- III. Local Coordination – Must show evidence of wide swath of outreach**
  - I. Geographic coverage (Tribal, rural, suburban, urban)
  - II. Diverse stakeholders; multiple outreach mechanisms
  - III. Transparency
  - IV. ISPs
  - V. Public Housing
- IV. Equitable and non-discriminatory Distribution of Funds**
- V. Ensure fair labor practices and recruitment/retention of a highly skilled workforce**
- VI. Civil Rights and nondiscrimination law compliance**
  - I. Series of Federal Laws like the Civil Rights Act, Title IX, Americans with Disabilities Act, EEO
- VII. Climate Resilience**

# Sub-Grantee Qualifications

- I. General
  - I. **Compliance with Federal, State and Local Laws**
  - II. **Financial and Managerial capacity to meet the requirements of the subgrant**
    - I. Public Entities may issue bonds to support match
    - II. Letter of Credit to cover 25% of match
    - III. Audited Financial Statements from prior fiscal year
    - IV. Sustainability of project-Pro Forma Budget
  - III. **Technical and operational capacity to meet the requirements of the subgrant**
    - I. Resumes of key personnel
    - II. Technical – network design, project costs, build-out timeline and milestones
      - I. All certified by a Professional Engineer (PE)
    - III. Existing Provider-Two years operating a broadband network; Filing of 477's and DATA
    - IV. Financials prepared by a financial institution
    - V. New Entrant - Resumes including provider experience; planned subcontractors
    - VI. Detailed ownership information
    - VII. Other Federally funded broadband projects and track record

# Sub-Grantee Obligations

- I. **SLA**
  - I. Speed: 100Mbps/20Mbps for residential & 1G Symmetrical for CAIs
  - II. Latency – 95% of tests must fall at or below 100ms round-trip time
  - III. Uptime-Outages cannot exceed 48 hours over a 365-day period or 99.9945% uptime
- II. **Project Deployment**
  - I. 4 years
  - II. Interconnect points disbursed
  - III. Spare conduit or space
- III. **Service Obligations**
  - I. Middle Class Affordability
  - II. Low-Cost Option
  - III. Consumer protections
  - IV. No data caps
  - V. Universal Service
  - VI. Non-discriminatory interconnection
- IV. **Cybersecurity and Supply Chain Risk Management**
  - I. National Institute of Standards and Technology (NIST) Cybersecurity recommendations
  - II. NIST Supply Chain Risk Management Guidance

# STATE ROLE

1. Engage communities throughout the state
2. Build local capacity and provide tools
3. Define a State grant plan with objective priorities, specifically identified projects, and an awards process, based on federal rules
4. Seek federal approval for local projects
5. Distribute funds and assist with project implementation



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# COUNTY BROADBAND ACTION TEAM ROLE

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- 1. Identify Needs:** Identify community needs for broadband infrastructure and affordability programming with an eye towards Universal Access
- 2. Prioritize:** Create a list of priorities based on the needs identified
- 3. Identify Provider Partner:** Solicit partnerships to meet priorities from service providers in a fair, open, competitive, neutral manner
- 4. Jointly Respond to OSIT's BEAD RFP:** Develop infrastructure and digital equity proposals together with service provider partner(s) that align to the State Connectivity Strategy and the federal funding requirements

# BEAD APPLICATION AND AWARD PROCESS

- Eligible Applicants:
  - A “Covered Partnership” defined as a local government/private provider partnership.
  - Local Government could submit multiple applications with multiple different provider partners
- Local Government Takes Lead and Defines Priority Areas, Selects Service Provider Partner, Submits Application to OSIT
  - 25% match required



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# SERVICE PROVIDER SELECTION

- Goals-USAA
  - Universal Service
  - Scalability
  - Affordability
  - Accountability
- Fair and equitable process - CERQ
  - Consistent questions and deadlines
  - Equal access to data for all providers
  - Response deadline consistency
  - Quantitative and Qualitative selection process
    - Service level agreement (Quantitative)
    - Affordability (Quantitative)
    - History and quality of work in the area (Qualitative)
    - Cultural fit (Qualitative)

# Key Questions



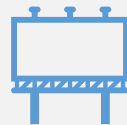
Is the network scalable?



Is the construction flow logical and sequenced correctly?

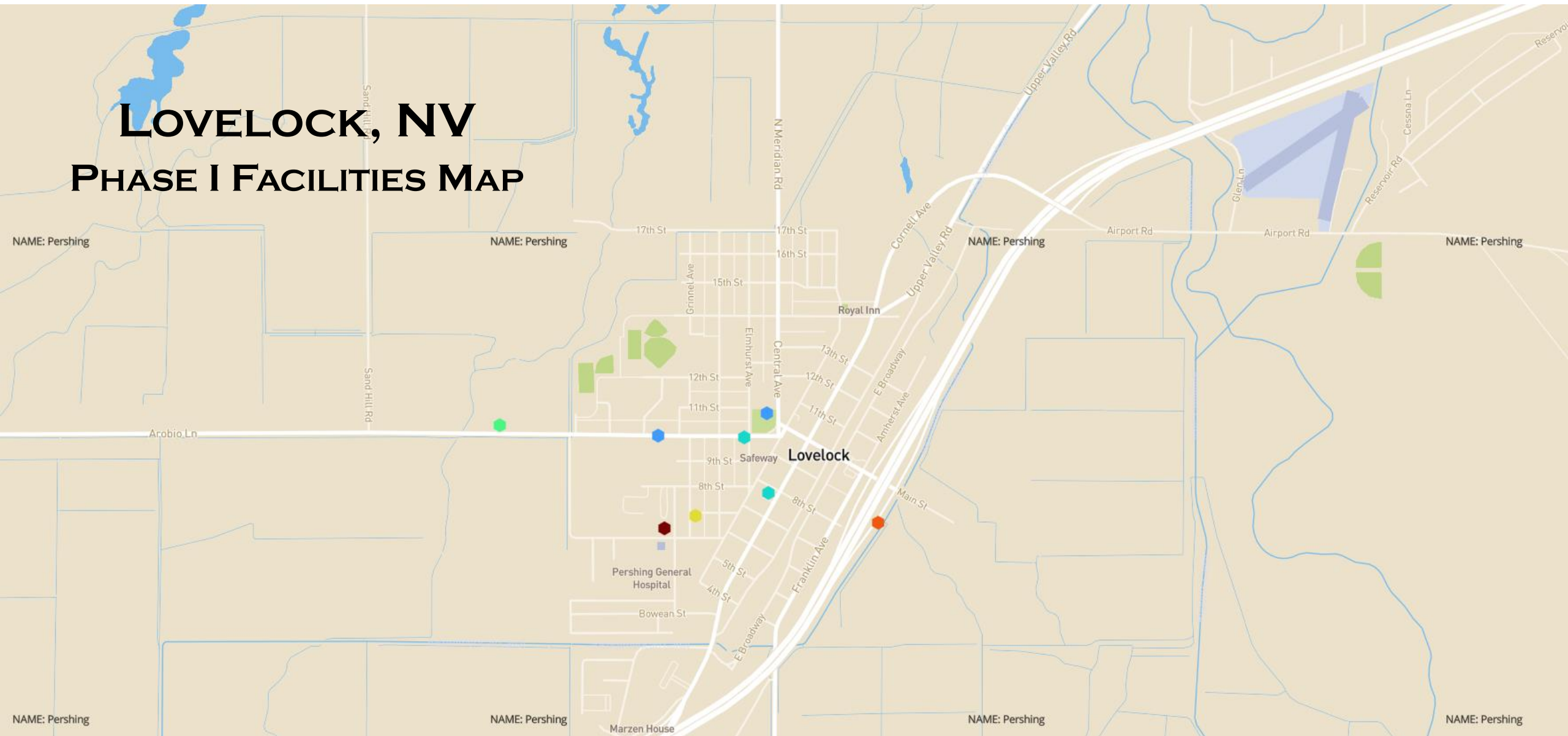


Business model: will revenues sustain operation?



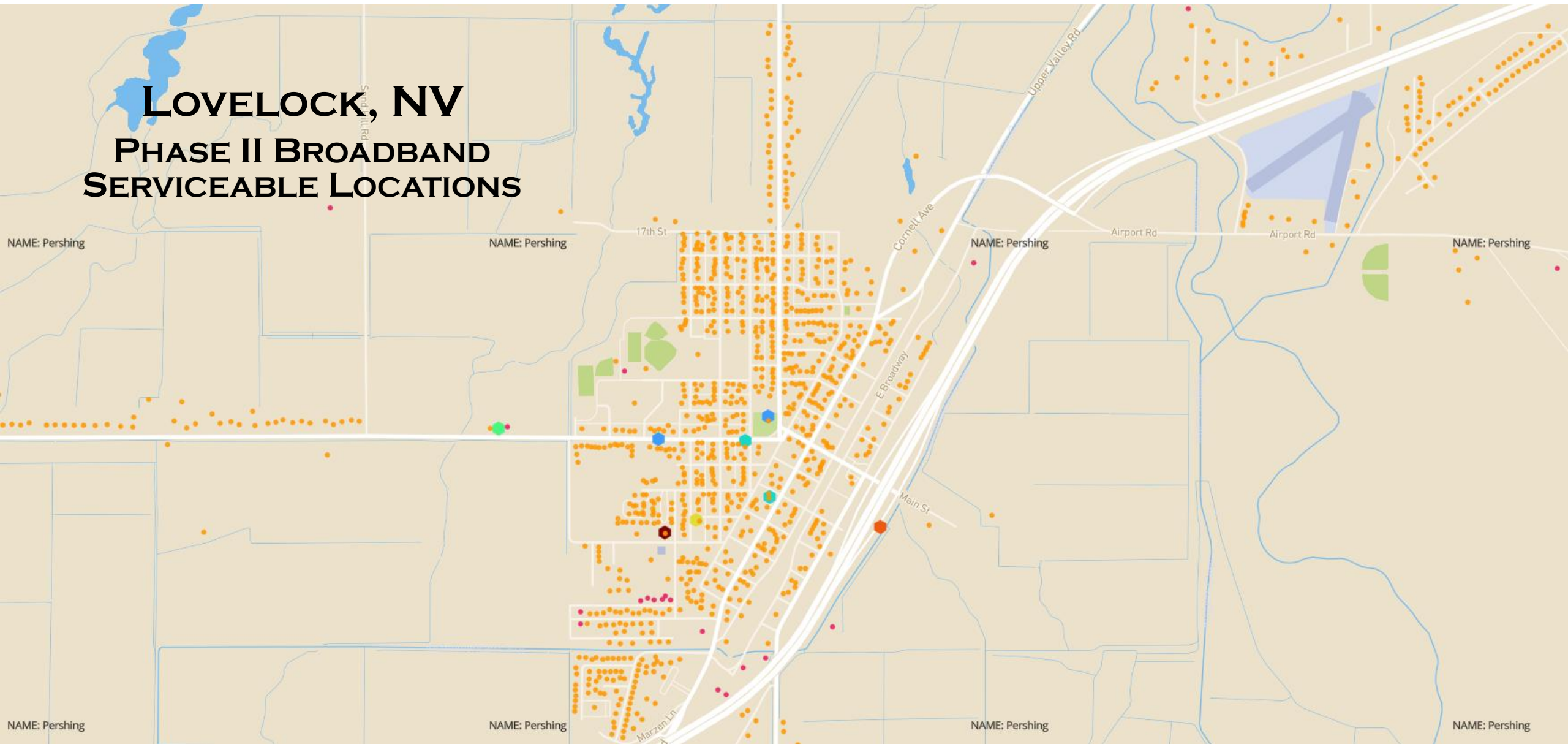
How will marketing be done?

# LOVELOCK, NV PHASE I FACILITIES MAP



# LOVELOCK, NV

## PHASE II BROADBAND SERVICEABLE LOCATIONS



# Data Collection



- An accurate depiction of NV's unserved locations
  - Formula  $NV \text{ Unserved} / \text{Total US Unserved} \times \$35B$
- FCC data collection effort begins on 6/30/22 and closes on 9/1/22
- FCC assistance website
  - Broadband data collection assistance center
  - <https://help.bdc.fcc.gov/hc/en-us>



# NEEDS FOR DIGITAL EQUITY

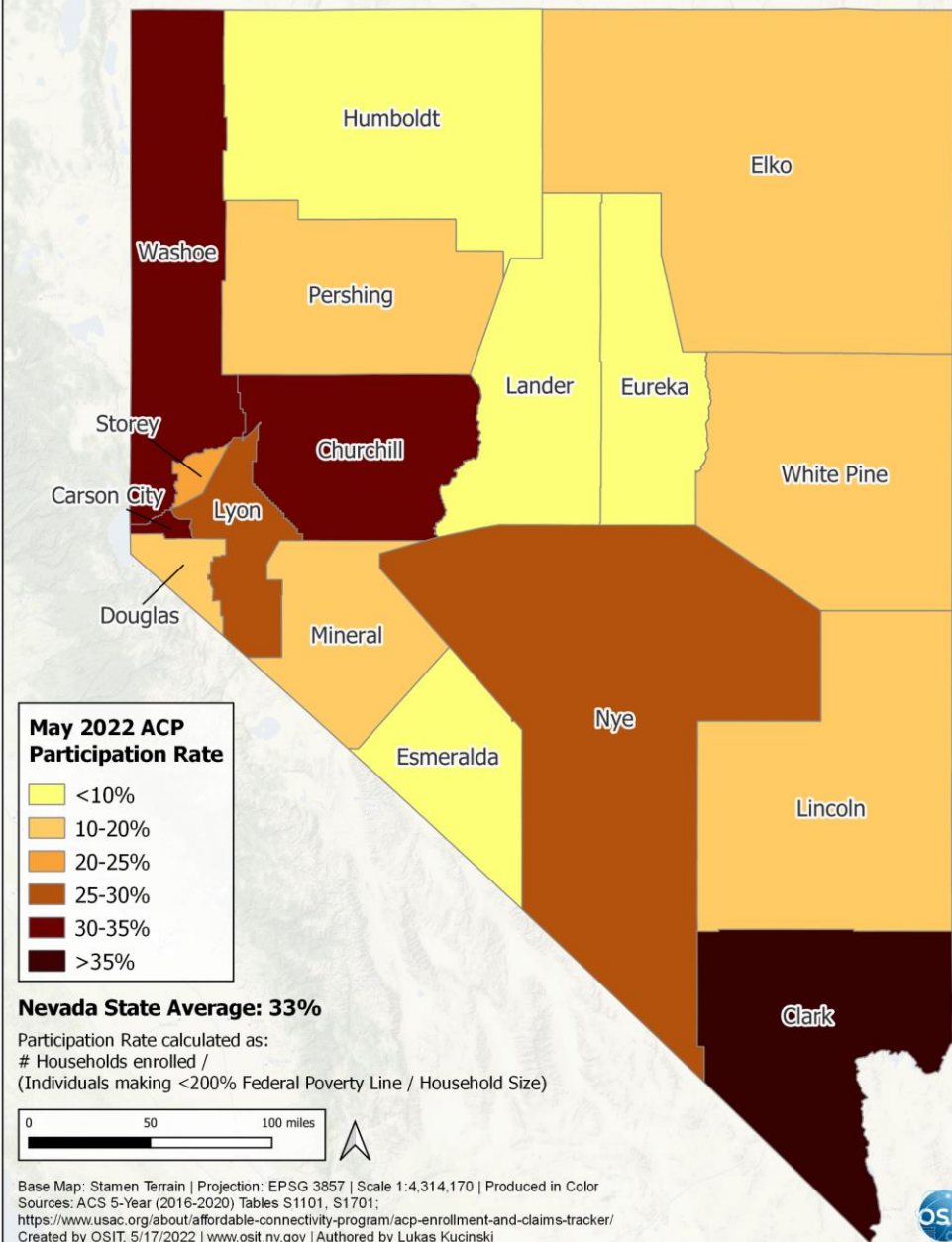


# Affordable Connectivity Program



- 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

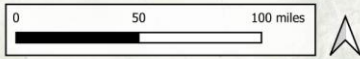
# Affordable Connectivity Program (ACP) Nevada Participation Rates (May 1, 2022)



**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/>  
 Created by OSIT, 5/17/2022 | www.osit.nv.gov | Authored by Lukas Kucinski



# Affordable Connectivity Program- Eligibility Website Widget



Email: [ACProgram@usac.org](mailto:ACProgram@usac.org) with the subject line "ACP Widget."



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