

Board of Supervisors Workshop 2023

Broadband Objective



EXPANDED BROADBAND

Nevada County



Overview of Today's Presentation

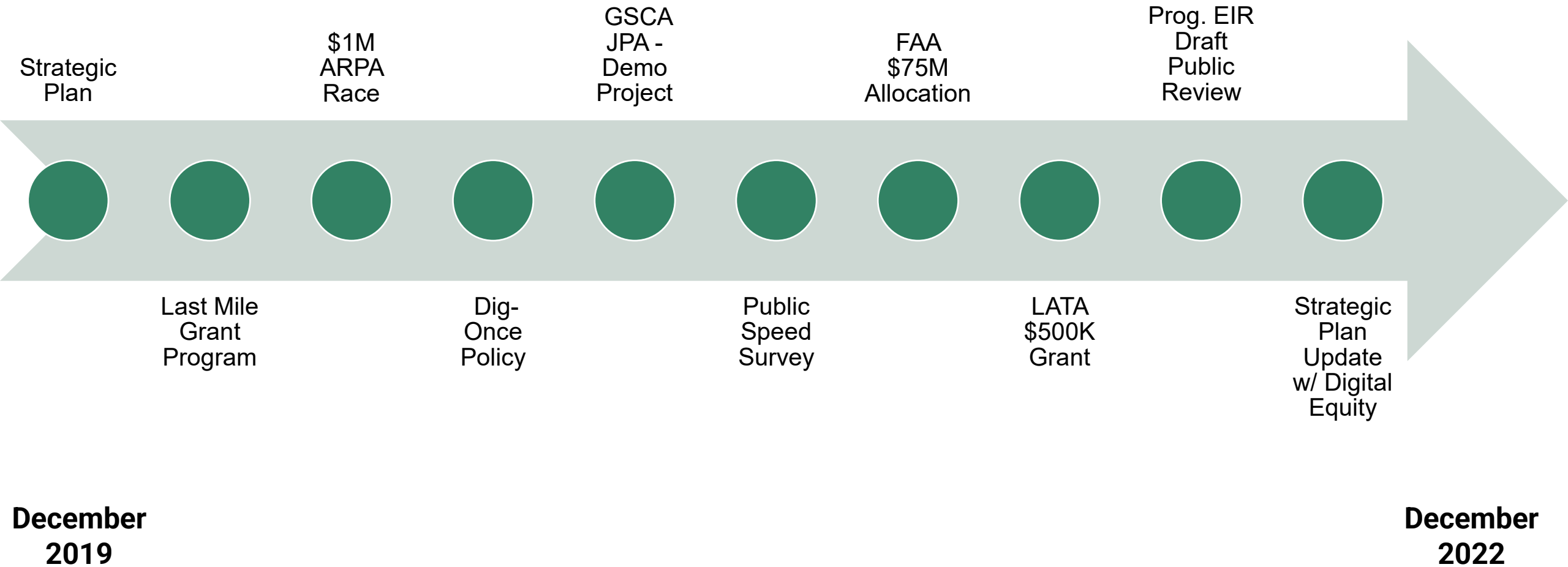
- **Broadband is Critical Community Infrastructure**
- **Major Milestones**
- **Funding and Background**
- **Local Survey and FCC Data Challenges**
- **State, Federal, & Industry Trends Impacting Broadband**
- **Golden State Connect Authority Projects**
- **2022 ClearPoint Objectives**
- **2023 Proposed Objectives for consideration**

Broadband is Essential Infrastructure

- Availability
- Affordability
- Adoption



Broadband Major Milestones



Funding and Background

PAST

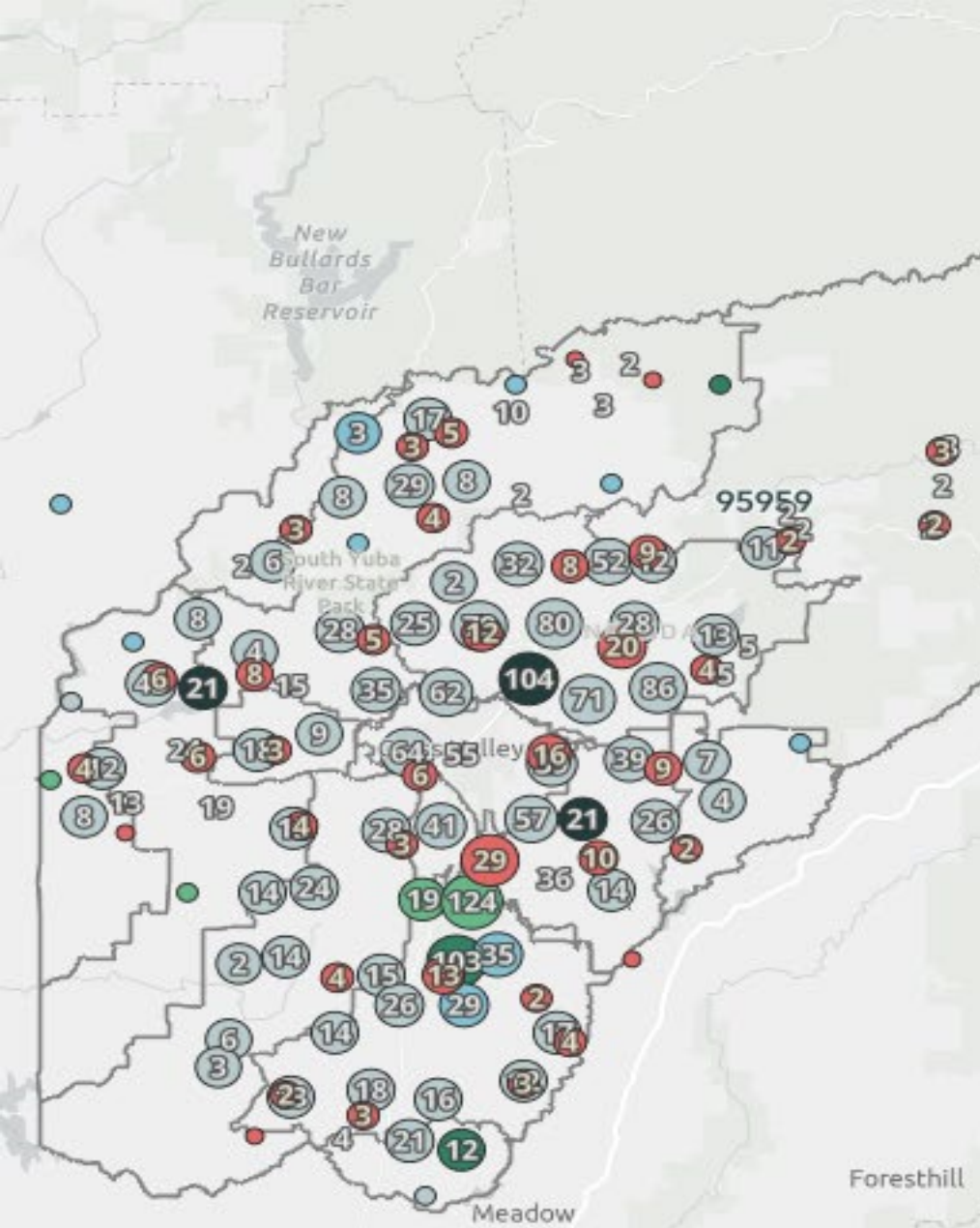
- Coronavirus Aid, Relief, and Economic Security Act (CARES)

CURRENT

- American Rescue Plan Act (ARPA) funding
- County Economic Development (TOT) funding

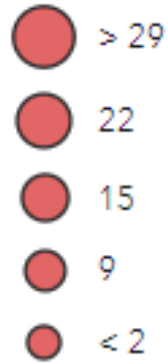
FUTURE

- State's Federal Funding Account (FFA) funding
- California Advanced Services Fund (CASF)
- FCC Broadband Equity, Access, and Deployment (BEAD)



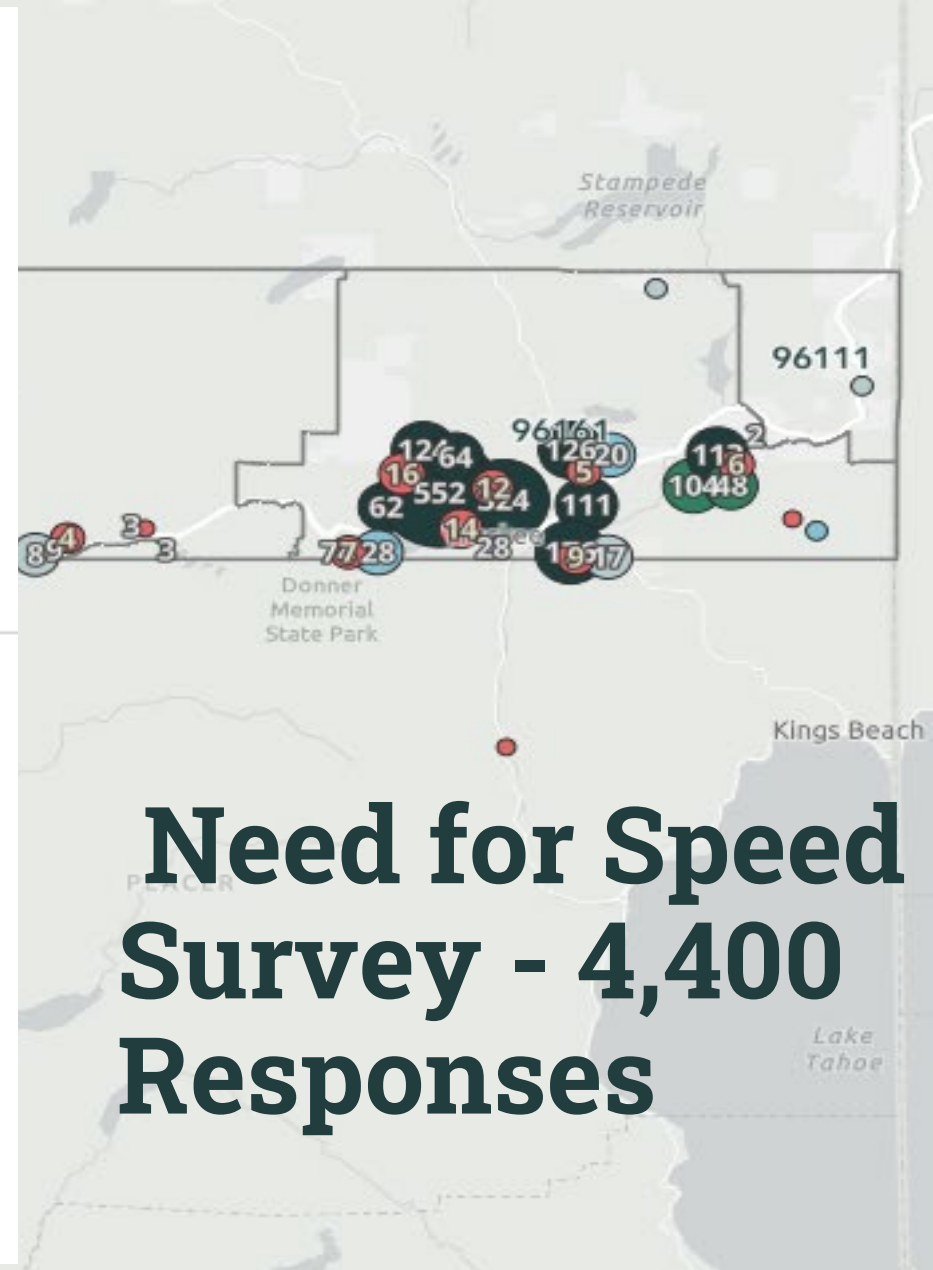
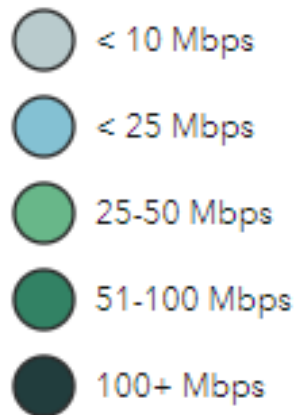
Responses with No Internet

Number of features



Internet Download Speeds

cluster_type_download_speed

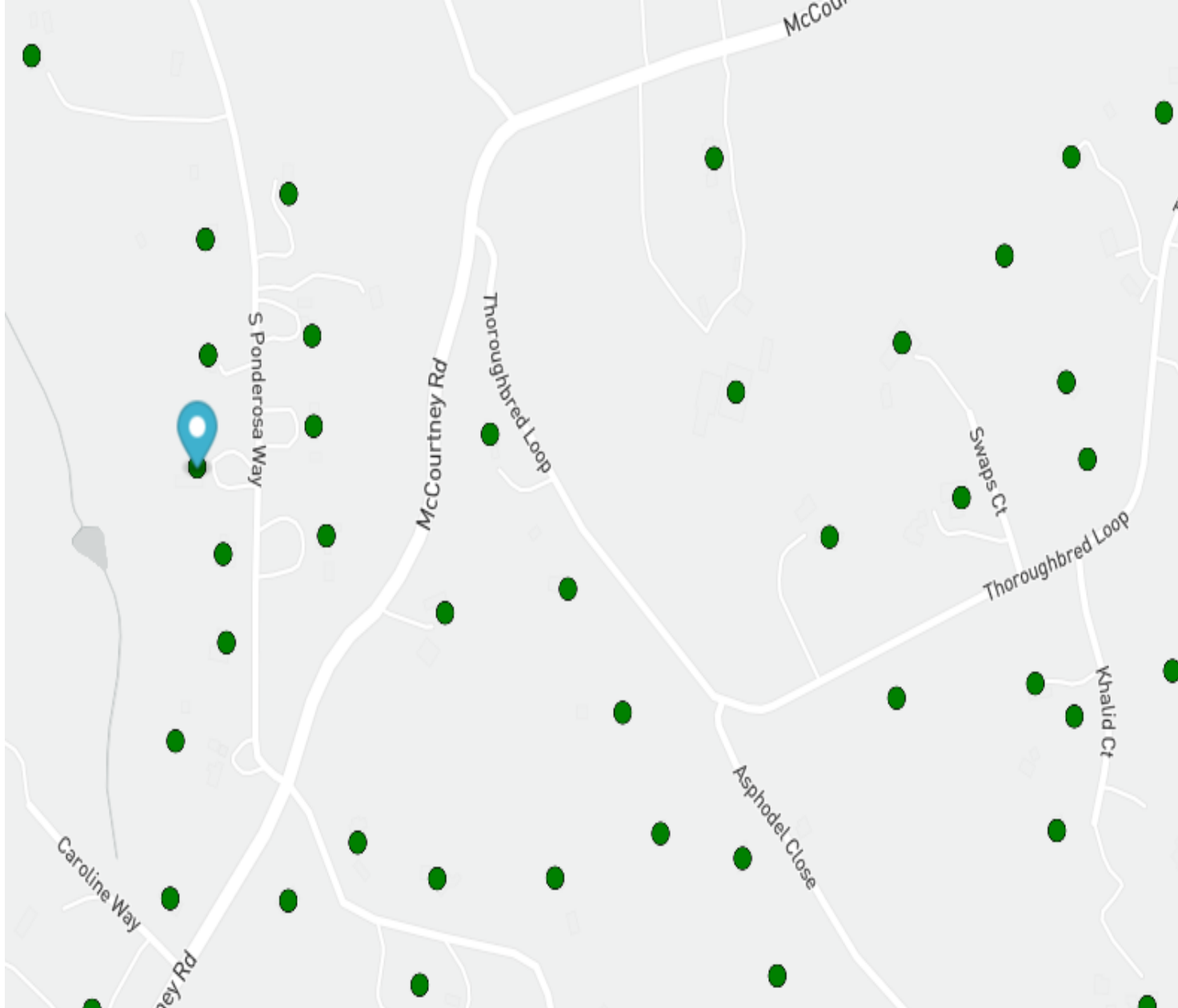


Need for Speed Survey - 4,400 Responses



FCC National Broadband Map





Status: **Served** | Residential | Unit Count: 1

Broadband



Type Residential
Technology Any Technology
Speed 25/3 Mbps or greater
Data As Of Jun 30, 2022 (Last Updated: 12/20/22)

Residential | Business

Availability Challenge

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
▶ DigitalPath, Inc.	Unlicensed Fixed Wireless	200	20	
▶ Hughes Network Systems, LLC	GSO Satellite	25	3	
▶ SmarterBroadband, Inc.	Unlicensed Fixed Wireless	25	5	
▶ Space Exploration Holdings, LLC	NGSO Satellite	100	10	
▶ T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2	

Board Discussion



State, Federal, & Industry trends impacting broadband

- California Advanced Service Fund Changes
- FCC BEAD Program
- Digital Equity Requirements
- Federal and State Service Map Data Quality
- Industry Supply Chain and Labor





RURAL COUNTY REPRESENTATIVES OF CALIFORNIA

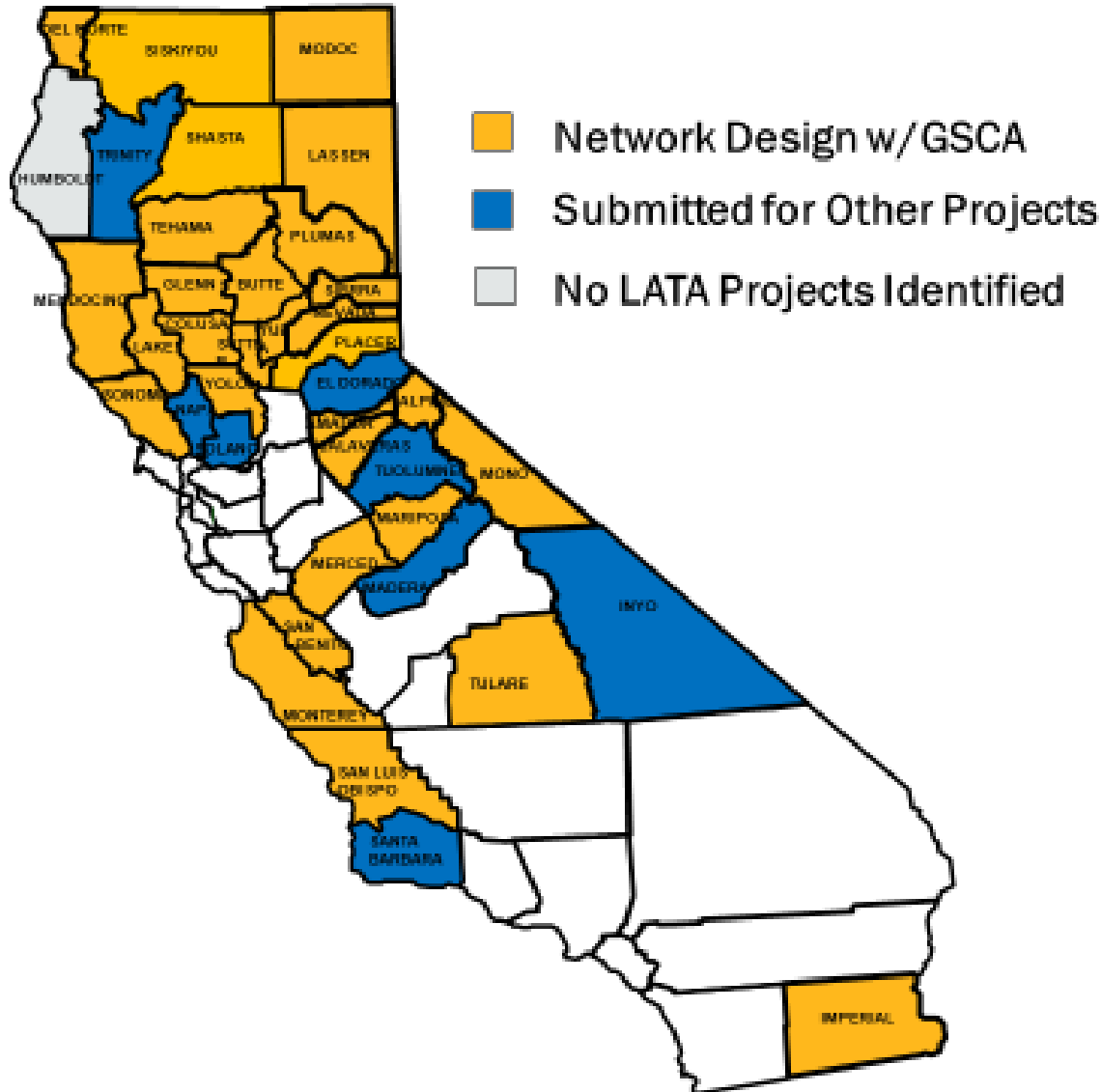
PATRICK BLACKLOCK
RCRC PRESIDENT AND CEO



GSCA



Equitable Access



- **Broadband Strategic Plans**
 - 26 Member Counties – Fed EDA Funds
- **Technical Assistance**
 - LATA Grants
 - 39 GSCA Member Counties
 - 36 – GSCA Administered LATA Grants (member counties and cities therein)
- **Broadband Deployment**
 - Open access municipal network

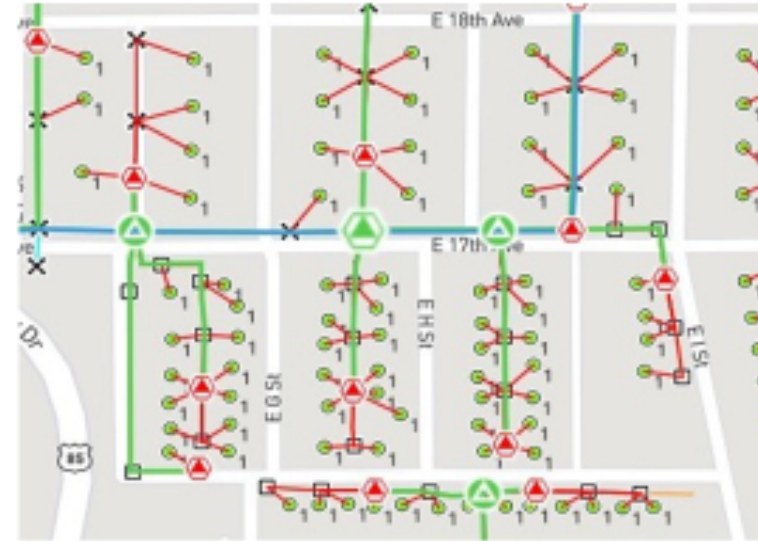
golden state
connect
authority

www.goldenstateconnect.org

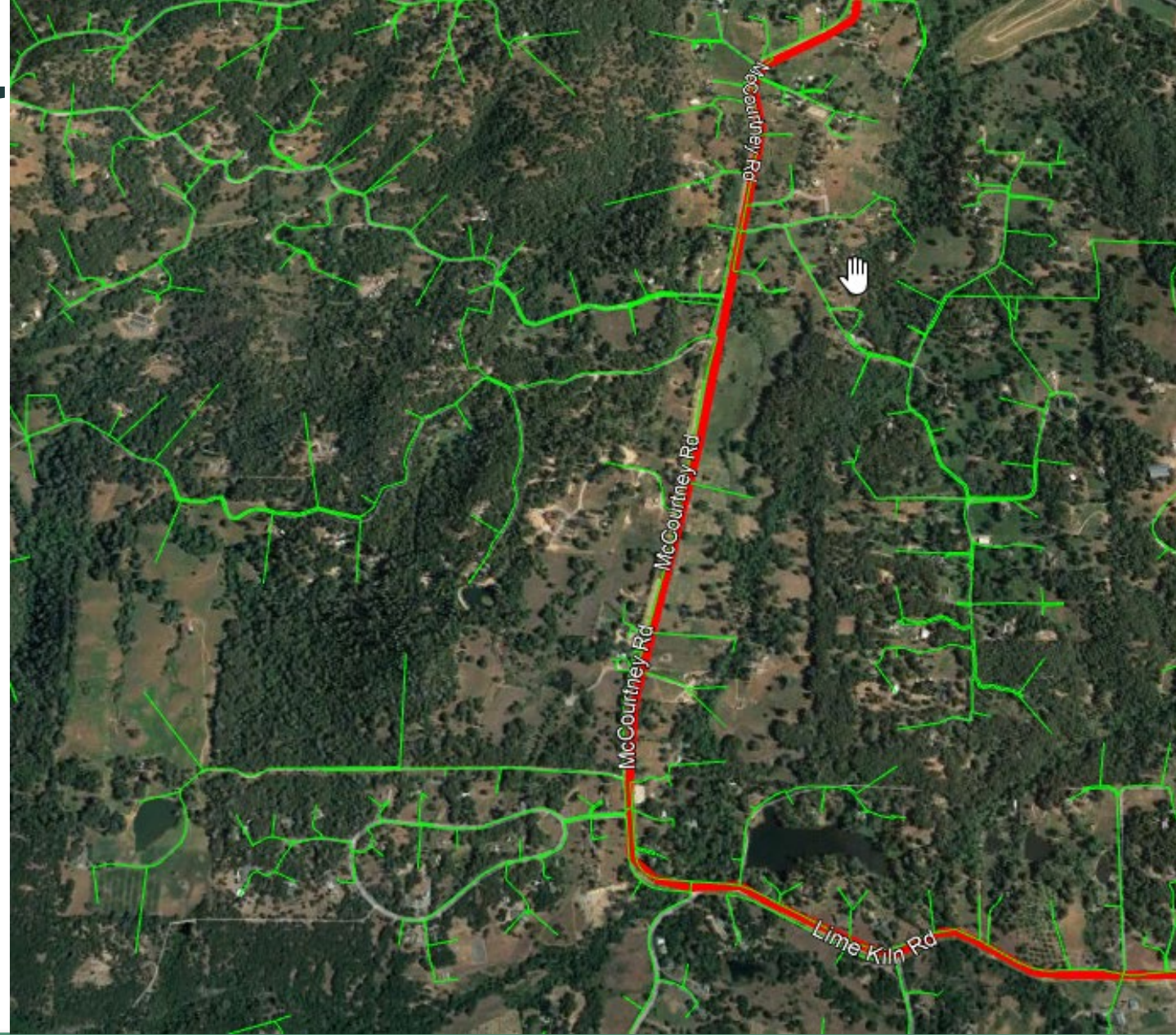
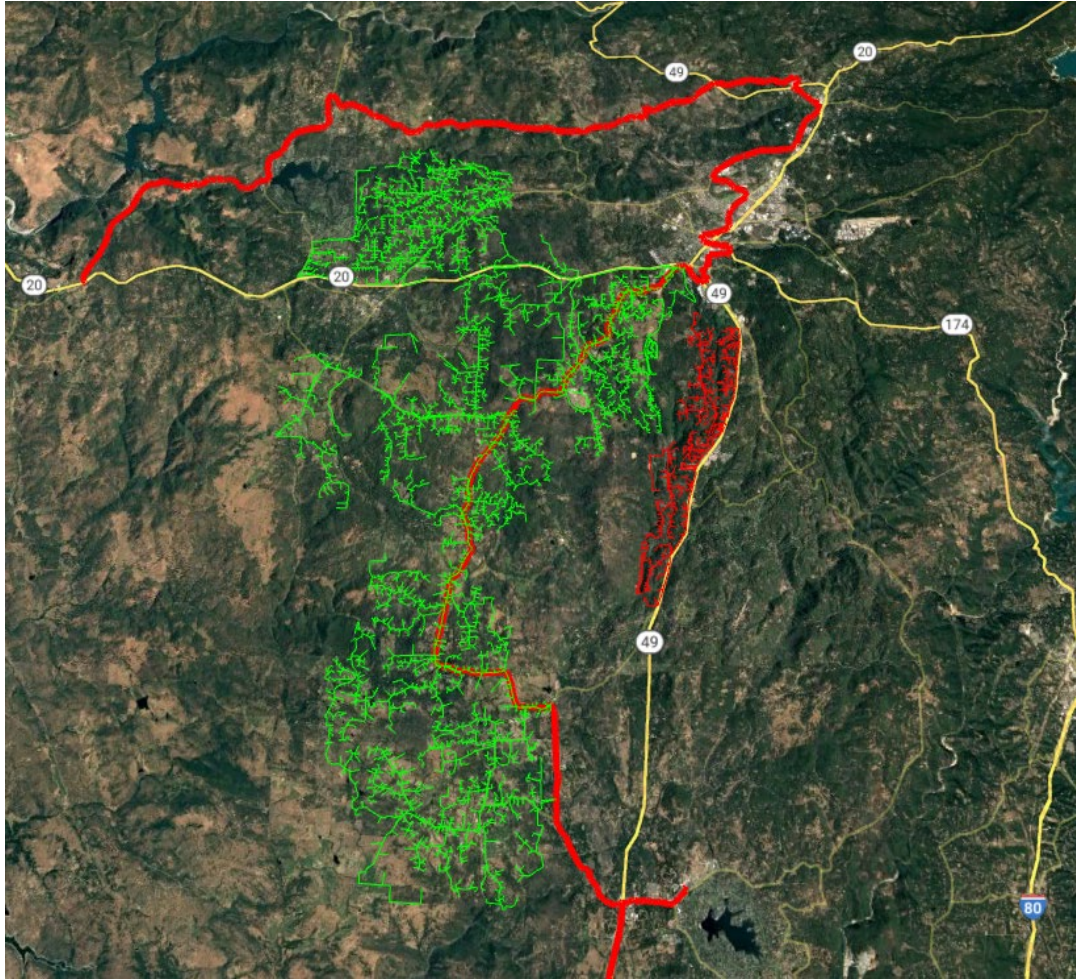
- LATA Grant - Network design and engineering
- FAA/Last Mile Program - Open Access Municipal Broadband demonstration project

Conceptual Design – Definition and Functions

- Low-cost method to provide an initial proof of concept document
- Allows all interested parties to provide input, ask questions, and understand better the engineering process
- Like an architect's rendering of a building that helps visualize the end product, but does not include any weighty or intricate engineering activity

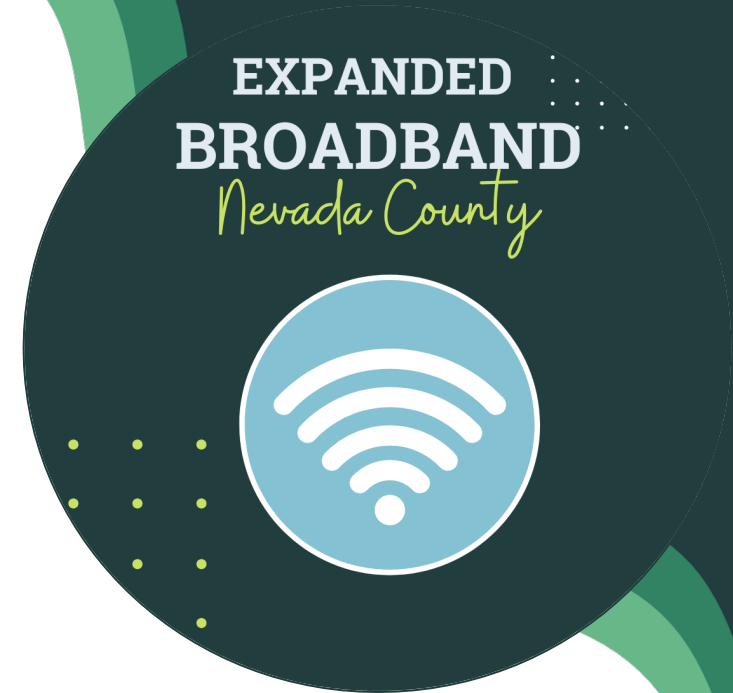


Example Only



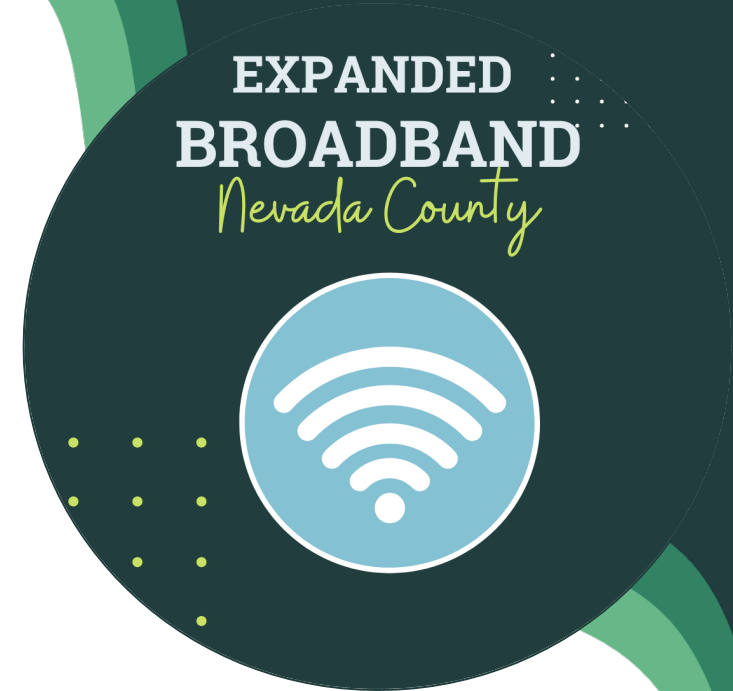
ClearPoint Initiatives

- ✓ Complete the Programmatic EIR.
- ✓ Manage the "Last-Mile" Broadband Grant Program
- ✓ Update the County's Broadband Strategy
- ✓ Fund and implement the Dig-Once Policy
- ✓ Engage and inform the community about County efforts to expand broadband
- ✓ Seek grant funding and advocate at state and federal level for broadband
- ✓ Establish partnerships to advance and undertake broadband construction project



2023 Proposed Objectives for Board Consideration

1. Complete the Internet service provider "tool kit" to help facilitate broadband expansion
2. Manage County-funded grants programs to support local broadband expansion
3. Implement the County's broadband strategy
4. Engage and inform the community about County efforts to expand broadband
5. Seek grant funding and advocate at the State and Federal levels for rural broadband expansion and digital equity
6. Establish partnerships to advance and undertake broadband expansion and digital equity projects



The background of the slide is a photograph of a natural landscape. It features a dense forest of green trees in the upper portion, and in the foreground, there are tall green grasses and several purple flowers, possibly lupines, growing in a field. The overall scene is bright and natural.

Broadband Objective:

Equitably expand broadband to support economic development, distance-learning, telework, telemedicine, and general quality of life for all residents by championing the implementation of Nevada County Broadband Strategy Plan policies and last-mile infrastructure projects.