2022 BROADBAND UPDATE

Federal, State, and Local Overview

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IT Director

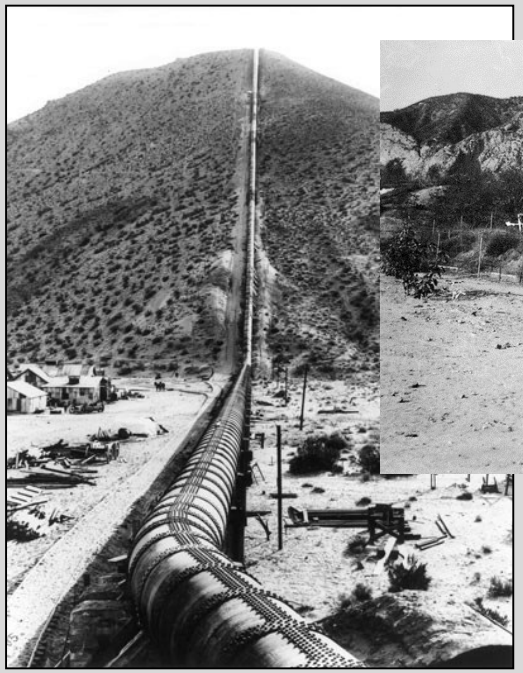
Mammoth Lakes Town Council
January 19, 2022

AGENDA

- **Background**
- **Legislation, programs, and funding overview**
  - SB 156 & 20-09-001
  - Other State and Federal programs
- **Local impacts & opportunities**
- **Policy considerations**
- **Next steps**

TRANSFORMATIVE INFRASTRUCTURE IN A REMOTE LANDSCAPE

Los Angeles Aqueduct : 1908 - 1913



1930s

2013 -

2013

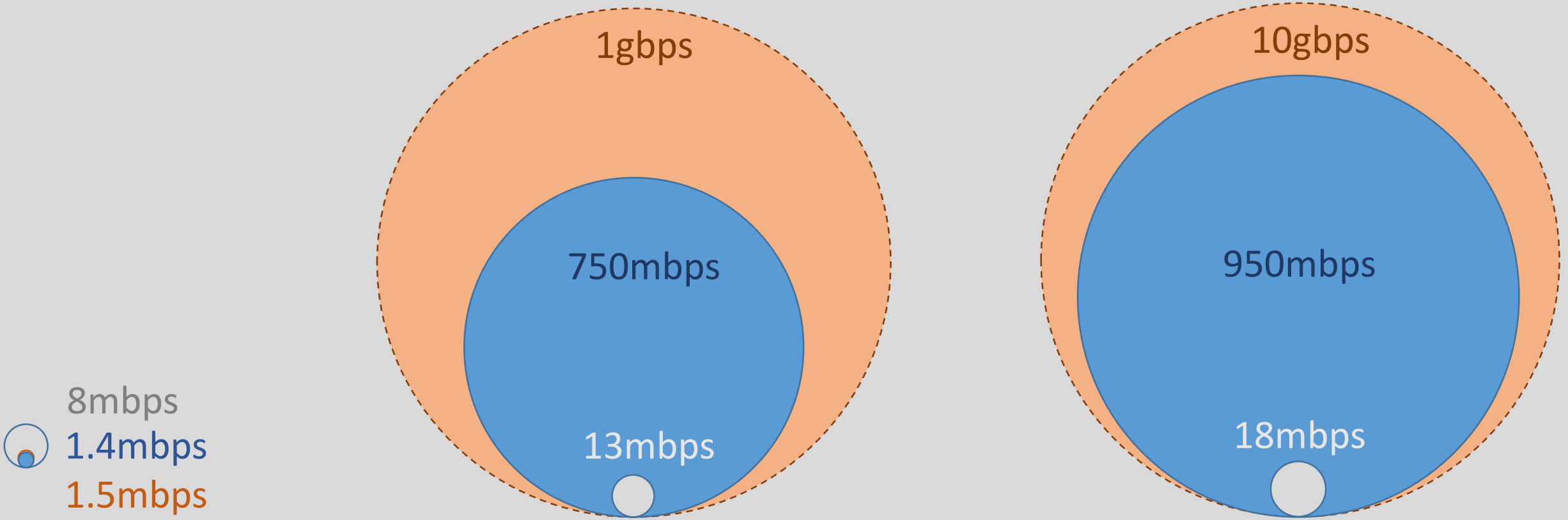
$37.01 per mbit

2016

$1.83 per mbit vs. **$4 per mbit national avg.**

Current

$ .62 per mbit



National Average | Mono County Average | Overall Capacity

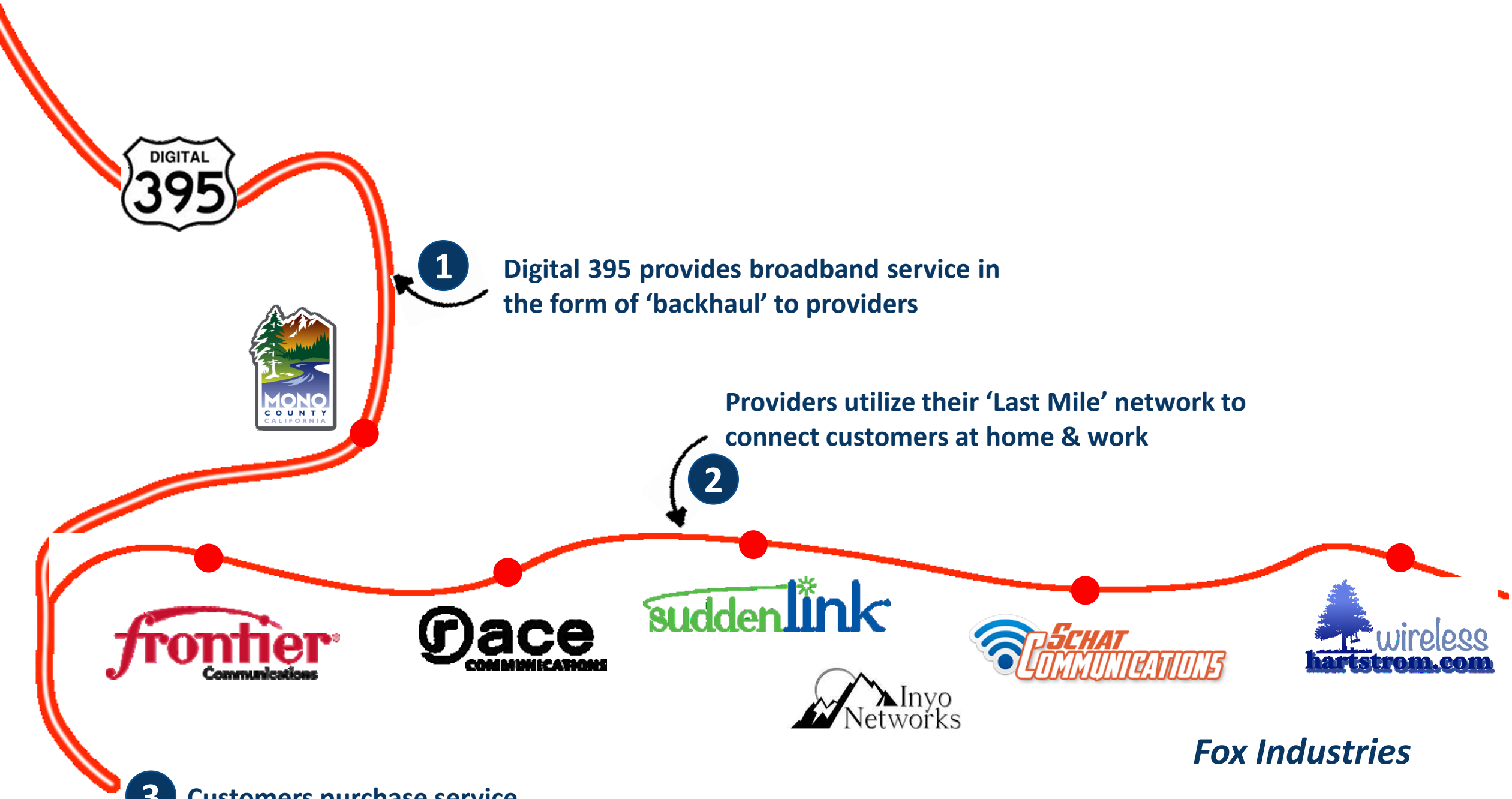
DIGITAL 395 – THE NETWORK

- **Sophisticated 100+ year network**
  - $110m | 620mi. fiber network – Reno <> Barstow
  - Petabytes of capacity – 10% utilization
  - 2021 electronics upgrade ($1.2m) – product/capacity growth

- **Middle-Mile Network**
  - Serves Government, Education, and Medical facilities
    - Vital to Town operations
  - Leveraged by most service providers for Last Mile

395 MANAGEMENT - CALIFORNIA BROADBAND COOP

- **Structurally Solid**
  - 501(c)12 telephone cooperative
  - 11-member Board since 2012
- **Financially stable**
  - Positive Going Concern audits; cash reserves
- **Future focused**
  - Strategic initiatives
  - SB 156 opportunities



Fox Industries

FORMAL SUDDENLINK CHALLENGES

- **Broadband is not a regulated utility**
  - Town has limited authority under DIVCA
  - CPUC has limited authority aside from video & VoIP phone

- **Multi-Agency Collaboration (Rural Communities Coalition)**
  - Mammoth, Truckee, Mono, Inyo, Nevada, Placer
  - Recurring CPUC/Suddenlink conversations

- **Formal comment filing**
  - General Order 133-D (Petition 21-10-003) – Sept. 29, 2021
  - Minimum Service Quality Standards for broadband VoIP

SUDDENLINK ESCALATION PORTAL

All

Issue Type	Number of Requests	Time to Resolve (Days) (avg)	Time to Resolve (Days) (min)	Time to Resolve (Days) (max)
Internet Service	13	9	1	32
Internet Service TV Service	2	6	0	11
Internet Service TV Service Customer Service	1			
Internet Service Customer Service	2	7	7	7
Internet Service Customer Service Billing Issue	1	6	6	6
TV Service	2	3	-0	6
TV Service Customer Service	1	9	9	9
Billing Issue	1	3	3	3
Totals (8 groups)	23	7	-0	32

SB 156: BROADBAND INFRASTRUCTRE INVESTMENT

Passed July 15, 2021 | Rulemaking 20-09-001 | Mono County Party Status

- **Middle Mile:**
  - $6b investment in Statewide open-access middle-mile network
- **Last Mile (Federal Funding Account):**
  - $6.3m - $13.2m allocation to Mono County for last-mile projects
- **Revises CASF:**
  - Allocating $2b to last-mile projects | 100/20mbps standard
  - Improves processes and removes some barriers

https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=202120220SB156

COUNTY/TOWN IMPACTS & OPPORTUNITIES

Golden State Middle-Mile

- Rulemaking Party Status (formal comments)
- Prioritize routes to extend middle-mile & create new last-mile opportunity
  - **Eliminate any route segments coincident with existing Digital 395 route**
  - **Maintain the construction of the following route segments as proposed:**
    - Highway 203 from The Village at Mammoth to Mono/Madera County line (approx. 5 mi.)
    - Highway 158 from June Lake Village to June Lake Down Canyon (approx. 3.5 mi.)
  - **Add the following route segments as extensions to the Digital 395 network:**
    - Benton Crossing Road from Highway 395 to Whitmore County Facilities (approx. 1 mi.)
    - Highway 203 from Mono/Madera County line into Reds Meadow (approx. 8.5 mi.)
    - Highway 158 from proposed segment end to Silver Lake (approx. 1mi.)
    - Twin Lakes Road from Highway 395 in Bridgeport to Fire Station #2 (approx. 13.5 mi.)
    - Lake Mary Road from The Village at Mammoth to Mammoth Community Water District Facility (approx. 3 mi.)
    - Highway 120 west from Highway 395 junction to Yosemite National Park entrance (approx. 12 mi.)
    - Bodie Road from Highway 395 to Bodie State Park (approx. 13 mi.)

COUNTY/TOWN IMPACTS & OPPORTUNITIES, CONT.

Last Mile (Federal Funding Account)

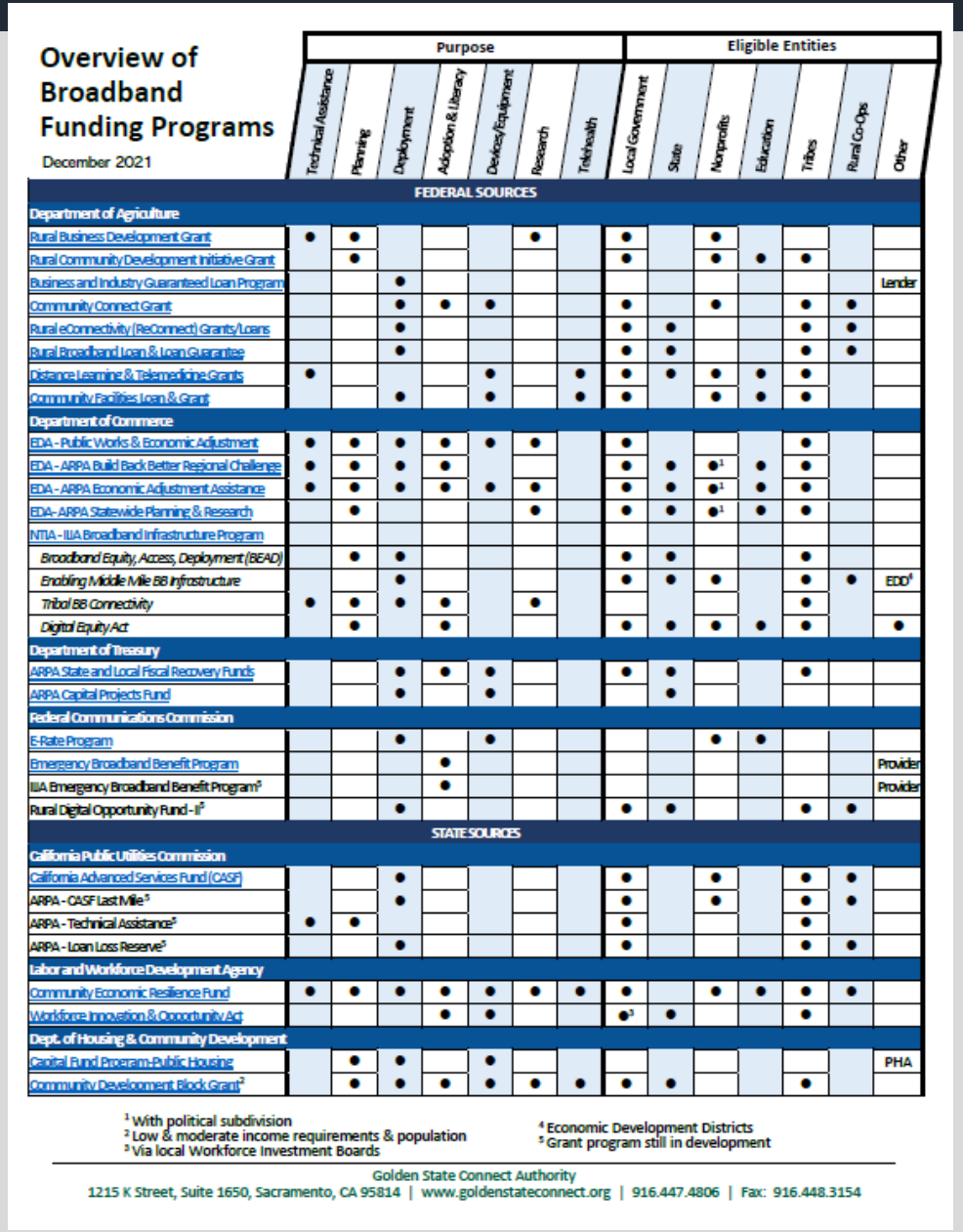
- Rulemaking still underway (no comments filed by Mono)
- Funding availability still being determined

County	Number of Unserved Households at 100 Mbps Download	U.S. Census Bureau Rural Definition (11 Rural Counties)	OMB Rural Definition (21 Rural Counties)	RCRC Rural Definition (37 Rural Counties)
Mono	**1,033**	**$6.29M**	**$13.23M**	**$8.07M**
Inyo	1,517	$6.89M	$17.09M	$9.51M
Alpine	367	$10.62M	$7.92M	$6.09M
Kern	16,038	$25.02M	$28.24M	$40.86M

- How to access, apply, and deploy funding still TBD

OTHER FUNDING OPPORTUNITIES

- **30 + Federal and State programs**
  - Many overlapping
- **Augmentation of existing**
  - CASF supplementation, etc.
- **Various ways to leverage**
  - Most logical is to leverage CBC & providers



Overview of Broadband Funding Programs

December 2021

	Purpose							Eligible Entities						
	Technical Assistance	Planning	Deployment	Adoption & Literacy	Device/Equipment	Research	Telehealth	Local Government	State	Nonprofits	Education	Tribes	Rural Co-Ops	Other
FEDERAL SOURCES														
Department of Agriculture														
Rural Business Development Grant	●	●				●		●		●				
Rural Community Development Initiative Grant		●						●		●	●	●		
Business and Industry Guaranteed Loan Program			●											Lender
Community Connect Grant			●	●	●			●		●		●	●	
Rural eConnectivity (ReConnect) Grants/Loans			●					●	●			●	●	
Rural Broadband Loan & Loan Guarantee			●					●	●			●	●	
Distance Learning & Telemedicine Grants	●				●		●	●	●	●	●	●		
Community Facilities Loan & Grant			●		●		●	●		●	●	●		
Department of Commerce														
EDA - Public Works & Economic Adjustment	●	●	●	●	●	●		●				●		
EDA - ARPA Build Back Better Regional Challenge	●	●	●	●				●	●	●[1]	●	●		
EDA - ARPA Economic Adjustment Assistance	●	●	●	●	●	●		●	●	●[1]	●	●		
EDA- ARPA Statewide Planning & Research		●				●		●	●	●[1]	●	●		
NTIA - IIJA Broadband Infrastructure Program														
Broadband Equity, Access, Deployment (BEAD)		●	●					●	●			●		
Enabling Middle Mile BB Infrastructure			●					●	●	●		●	●	EDD[4]
Tribal BB Connectivity	●	●	●	●		●						●		
Digital Equity Act		●		●				●	●	●	●	●		●
Department of Treasury														
ARPA State and Local Fiscal Recovery Funds			●	●	●			●	●			●		
ARPA Capital Projects Fund			●		●				●					
Federal Communications Commission														
E-Rate Program			●		●					●	●			
Emergency Broadband Benefit Program				●										Provider
IIJA Emergency Broadband Benefit Program[5]				●										Provider
Rural Digital Opportunity Fund - II[5]			●					●	●			●	●	
STATE SOURCES														
California Public Utilities Commission														
California Advanced Services Fund (CASF)			●					●		●		●	●	
ARPA - CASF Last Mile[5]			●					●		●		●	●	
ARPA - Technical Assistance[5]	●	●						●				●		
ARPA - Loan Loss Reserve[5]			●					●				●	●	
Labor and Workforce Development Agency														
Community Economic Resilience Fund	●	●	●	●	●	●	●	●		●	●	●	●	
Workforce Innovation & Opportunity Act				●	●			●[3]	●			●		
Dept. of Housing & Community Development														
Capital Fund Program-Public Housing		●	●		●									PHA
Community Development Block Grant[2]		●	●	●	●	●	●	●	●			●		

[1] With political subdivision
[2] Low & moderate income requirements & population
[3] Via local Workforce Investment Boards
[4] Economic Development Districts
[5] Grant program still in development

Golden State Connect Authority
1215 K Street, Suite 1650, Sacramento, CA 95814 | www.goldenstateconnect.org | 916.447.4806 | Fax: 916.448.3154

TOWN BROADBAND CONSIDERATIONS

- **Long-term involvement questions**
  - To what extent should the Town invest in broadband?
  - What are most effective means of investment?
  - Development standards (Subdivision and construction)?
  - Alternate provider(s)?
  - Municipal vs Private networks?
  - Funding resources?
  - Franchise agreement(s)?
  - Incremental approaches (Dig Once/Smart)?

NEXT STEPS

- **Monitor existing broadband providers and service**
- **Track legislative and funding opportunities**
  - Comment when/where appropriate
- **Establish clear objectives and priorities for broadband**
- **Continue to educate leadership, staff, public**

THANK YOU!

Mammoth Lakes™
CALIFORNIA