



BROADBAND FOR ALL

Middle-Mile Advisory Committee Meeting



October 20, 2023

CALIFORNIA
ALL



AGENDA

- Welcome
- Executive Report Out
- Project Updates
- Public Comment
- Adjourn



Mark Monroe

Deputy Director

Middle-Mile Broadband Initiative
California Department of Technology

Closing the Digital Divide

10,000 miles of network

Engagement Over 50,000 community touchpoints

RFI²

1st round uncovered many opportunities

2nd RFI² to be released

**Last Mile
Readiness**

CPUC reviewing last mile applications
with proposed connections to all
middle mile segments

Real solutions for communities ahead of schedule



DELIVERY HIGHLIGHT

Collaboration Opportunity

California's Middle-Mile
Broadband Initiative

The **POWER** of
LEASING

CALIFORNIA
ALL

Broadband for All

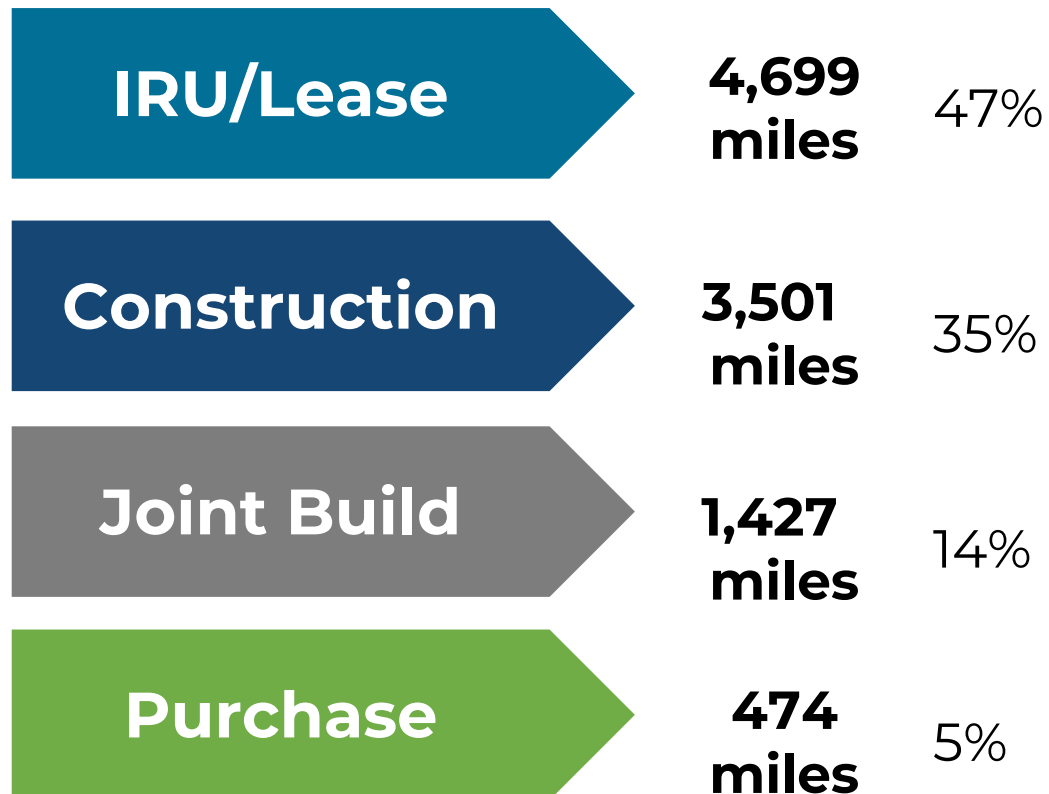


PROJECT RECAP

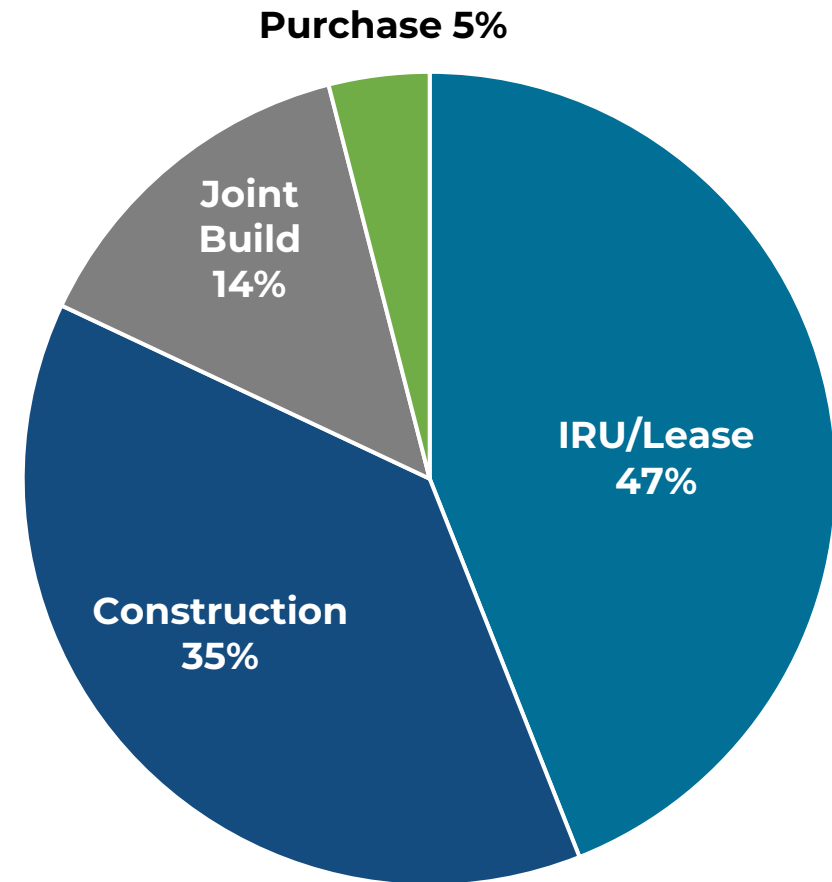
Key to Success: Innovative Delivery Approach

10,000-mile network

83% Under Contract



* Percentages have been rounded to nearest whole number within each category



10,000-mile commitment from the Administration subject to legislative appropriation.

PROJECT SPOTLIGHT

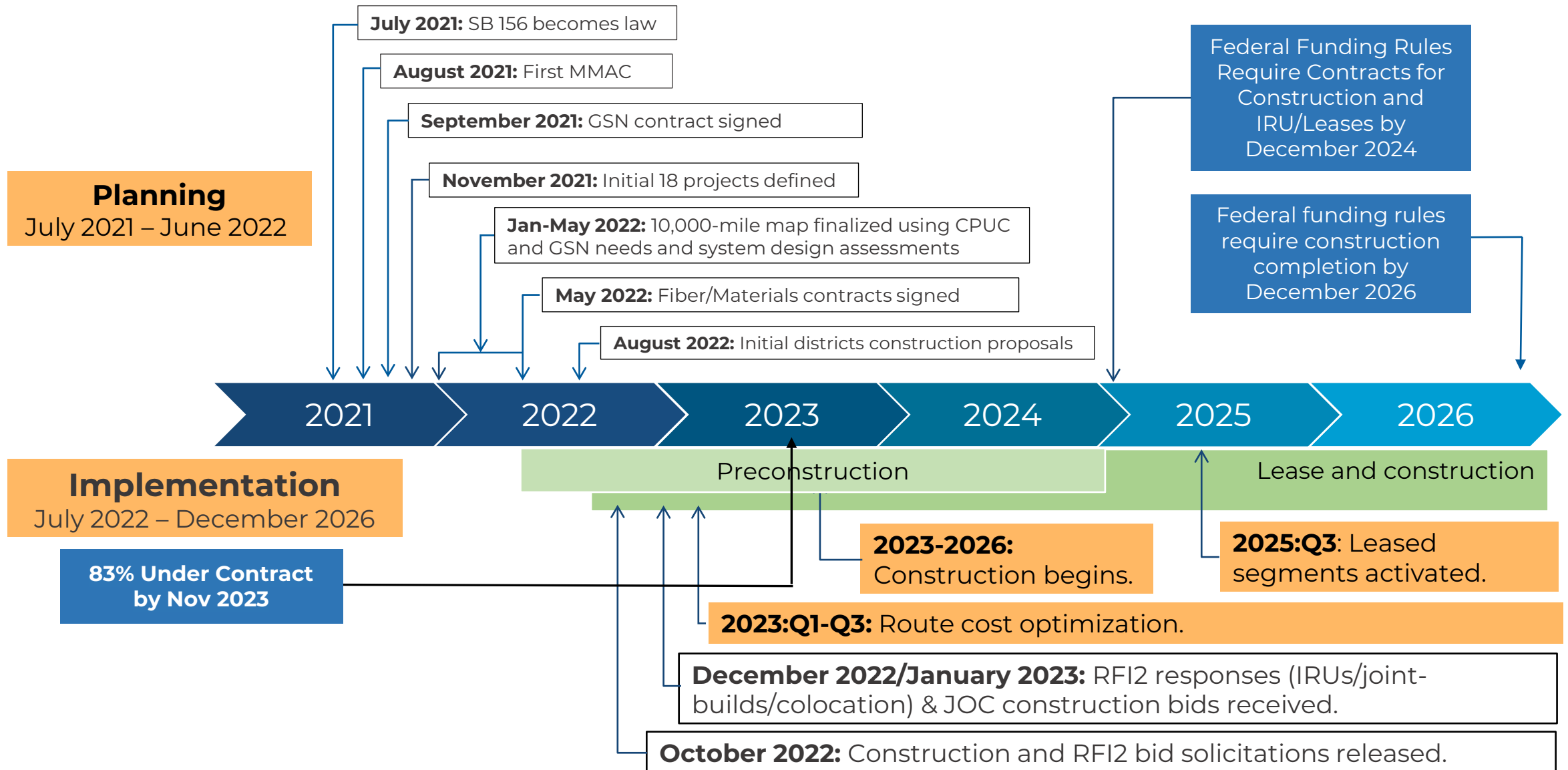
Partnerships



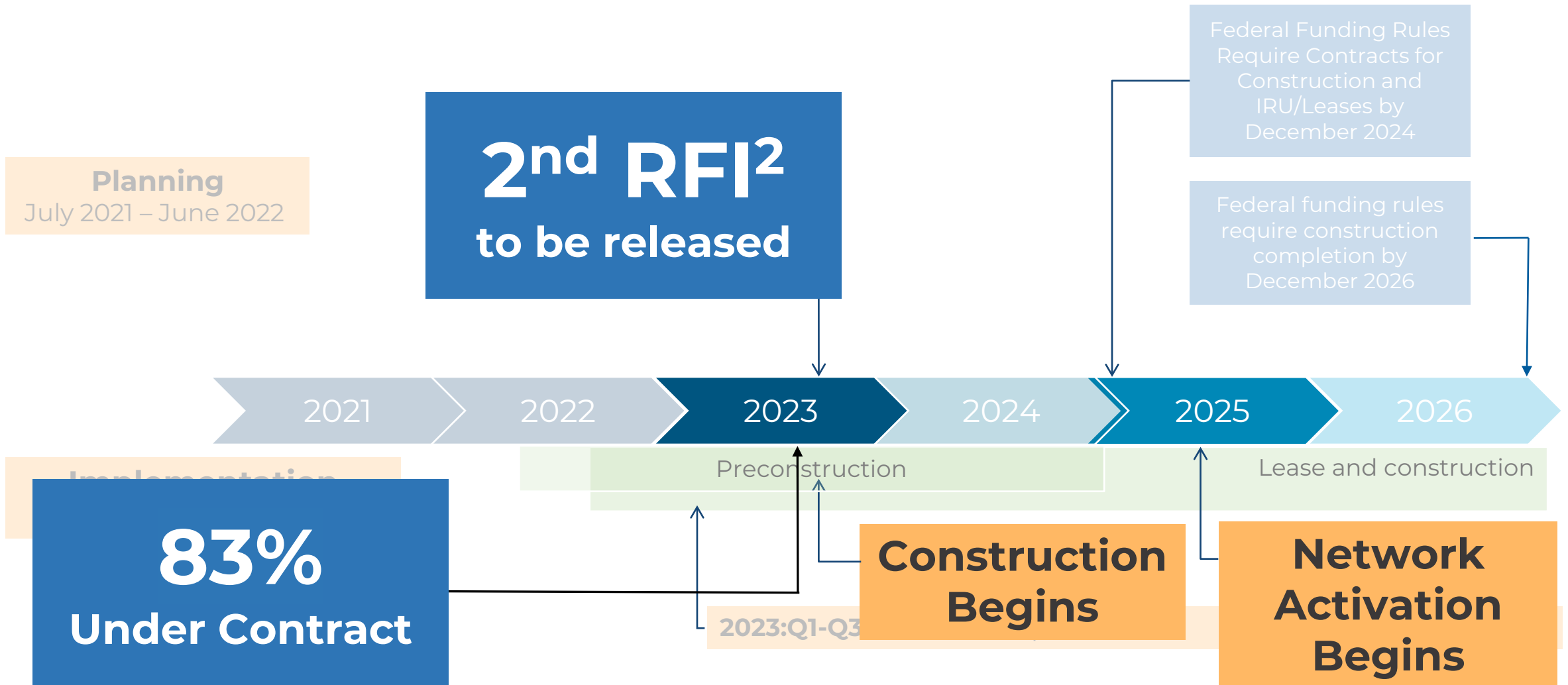
**Hoopa
Valley
Tribe**

23 miles of
network
access
through
sovereign
tribal lands

PROJECT Timeline



PROJECT Timeline



Equitable approach benefitting communities

The full middle mile network will provide a statewide backbone to support proposed last mile projects.

Some communities will need to develop essential middle mile segments to reach the state's middle mile backbone.

While providing faster service, some leased segments serve corridors using alternative, parallel routes.

The next RFI² could create new opportunities to speed up development and further reduce costs – which may mean more route variances.

The middle mile network will still provide service to identified corridors.



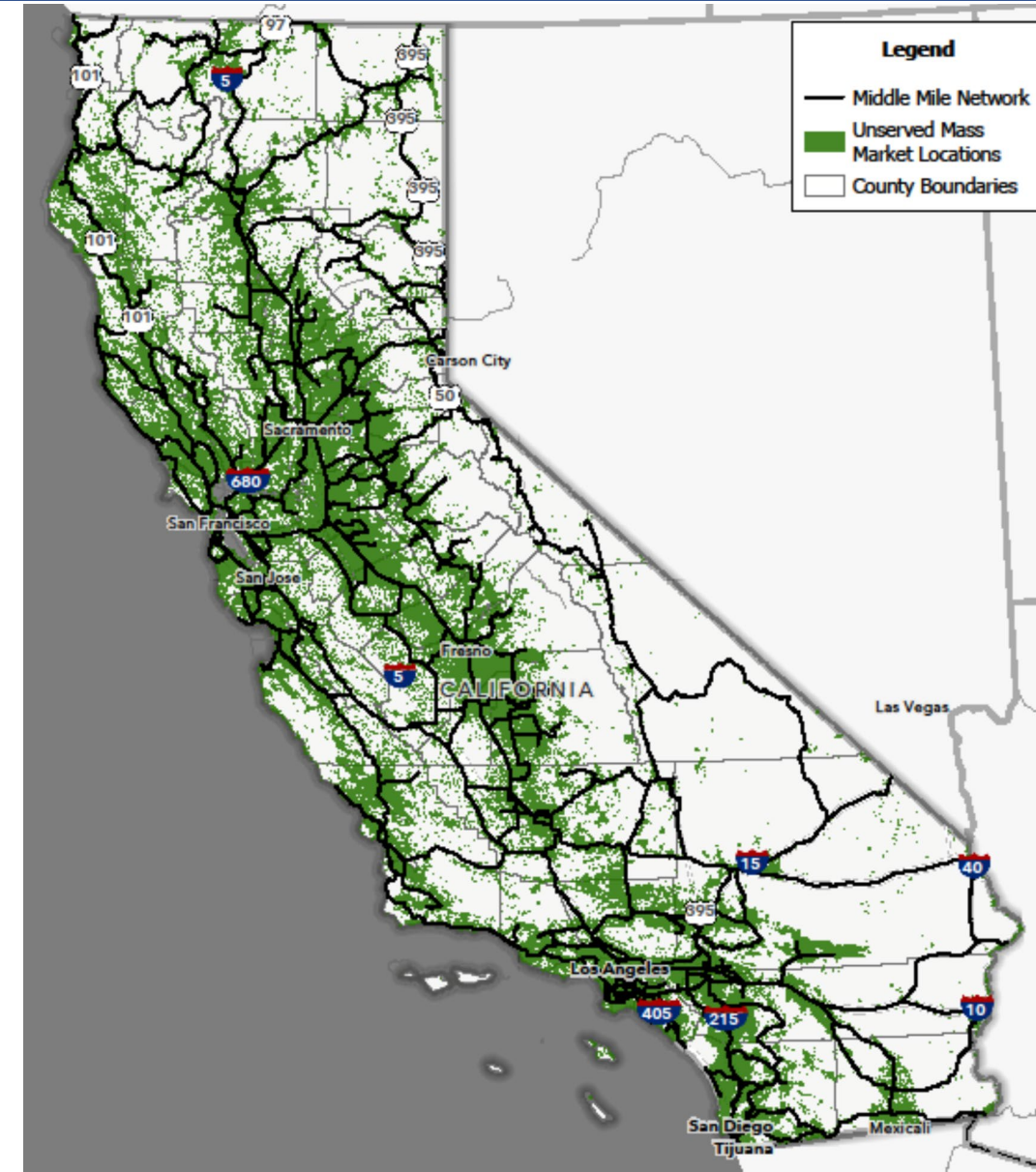
Equitable approach benefitting communities

The full Middle Mile network reaches the state's unserved and underserved communities

Communities with 675,000 unserved households will have a middle mile to connect to.

Millions of underserved Californians will benefit from affordable alternatives.

Last mile projects will have an affordable, open access middle mile to connect to.



PROJECT SPOTLIGHT
Partnerships

Yurok Telecommunications

First of its kind
agreement

52 miles of network
access through
sovereign tribal lands



Middle-Mile
Broadband Initiative





Janice Benton

Assistant Deputy Director

Middle-Mile Broadband Initiative

California Department of Transportation

Path to Delivery



Preconstruction
Progress



Construction
Progress



Project
Momentum

Preconstruction Progress

Environmental, Permitting and Design Progress



36%

Completed Project Tasks



64%

In Progress Project Tasks

Construction Progress

225 miles
Region 1

85 miles
Region 2

30 miles
Region 3

75 miles
Region 4

55 miles
Region 5



Over the **next 6 months** construction is anticipated to start on **more than 450 miles** of the MMBN Caltrans Build.

Caltrans will complete construction of the Caltrans Build by December 2026.



**State Route 190
Inyo County**



**State Route 20
Mendocino County**



**State Route 67
San Diego County**



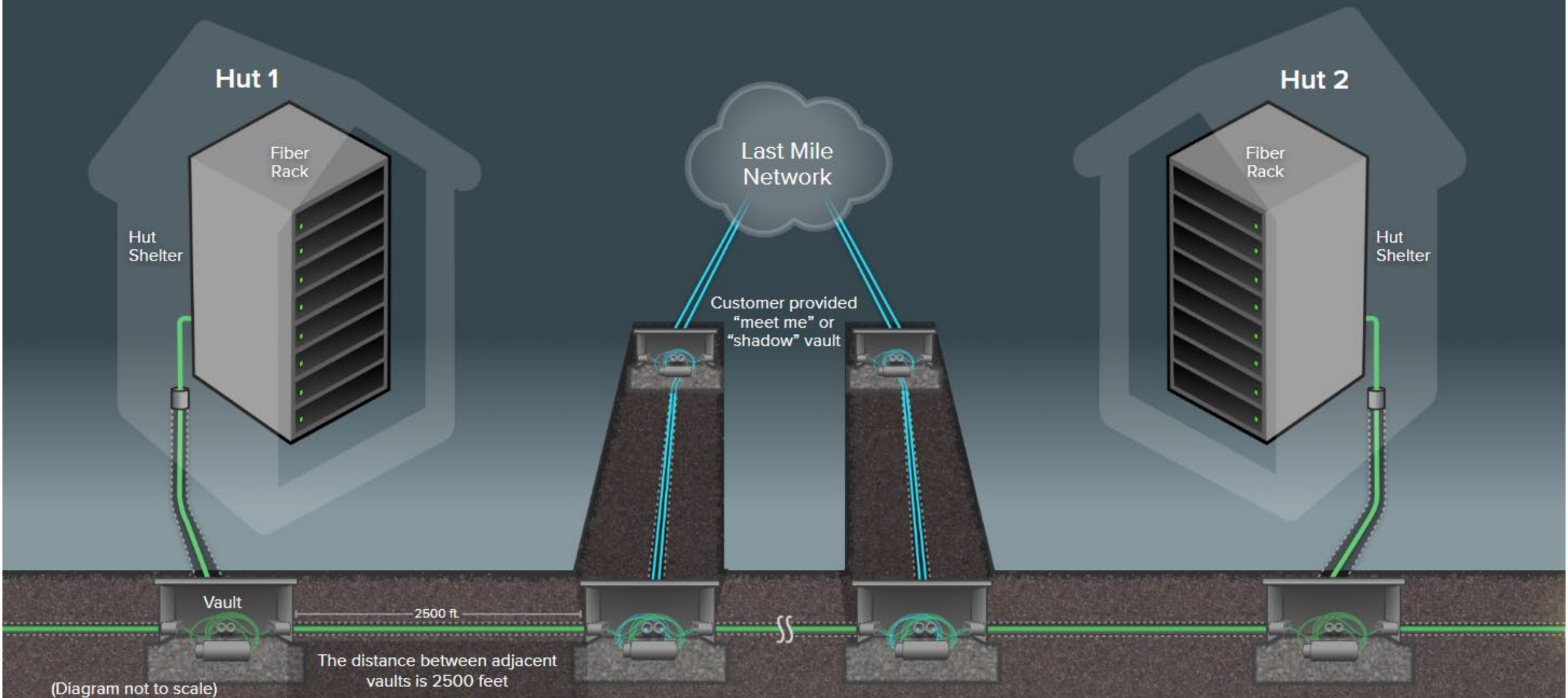
Erik Hunsinger

President & Chief Operating Officer

GoldenStateNet

DARK FIBER IRU - ONE SPAN

LOGICAL DIAGRAM





Michael Minkus

Communications Division

California Public Utilities Commission

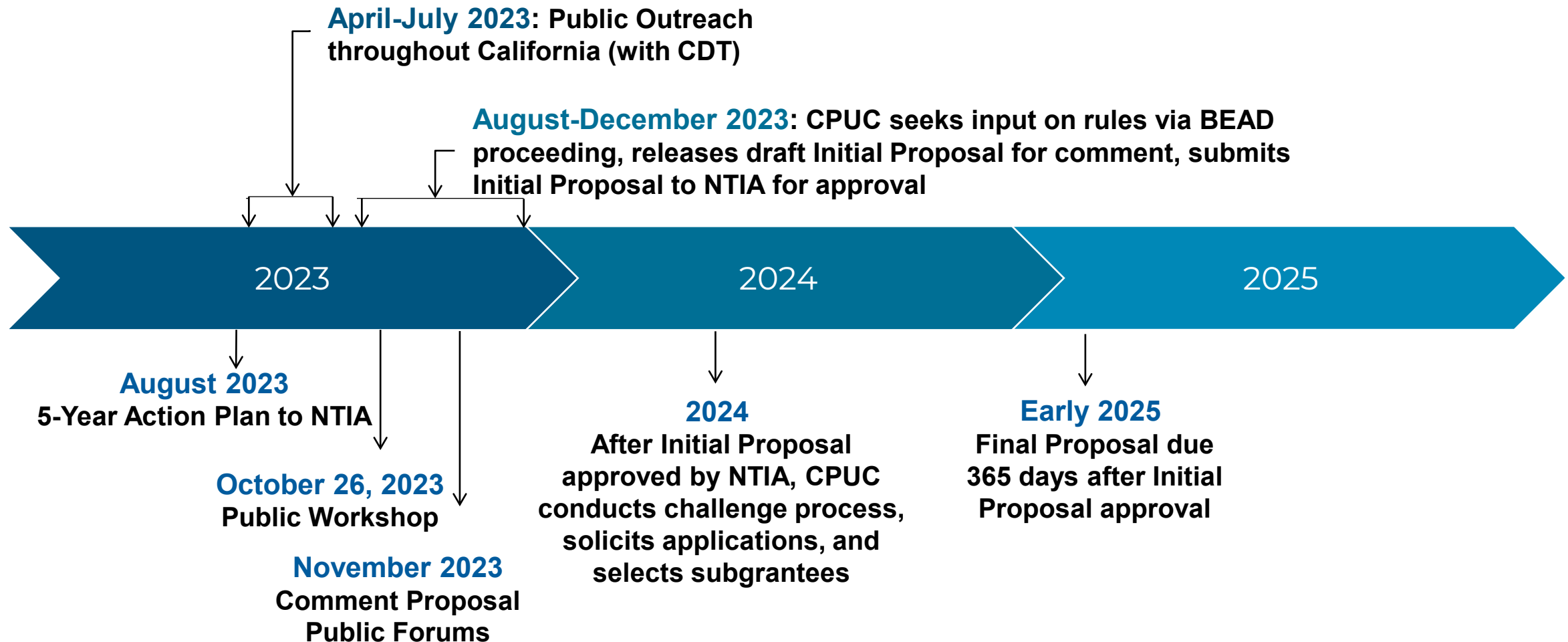
Broadband Equity, Access, and Deployment (BEAD) Update

In June 2023, \$1.86 billion was allocated to California to expand broadband access

- **\$1.86 billion allocated by NTIA for last mile broadband deployment**
- **CPUC will—**
 - **Establish program rules in an Initial Proposal**
 - **Conduct a challenge process for eligibility map**
 - **Run a grant application process and propose subgrantees**
 - **Submit Final Proposal**
 - **All actions subject to NTIA review and approval**
- **Primary goal: deploy last-mile service to all unserved locations**
 - **Less than 25/3 speed**
 - **Via “reliable” technology – fiber first, then other options**
- **More information and subscribe to updates**



Broadband Equity, Access, and Deployment (BEAD) Update



2023 Broadband Investment Last Mile Initiative Snapshot

	TECHNICAL ASSISTANCE	LOAN LOSS RESERVE FUND	FEDERAL FUNDING ACCOUNT	CALIFORNIA ADVANCED SERVICES FUND
Amount	\$50 million (<i>part of Federal Funding Account Total</i>)	\$750 million	~\$2 billion	\$73 million for FY23/24
Summary	Assist local governments & Tribes to prepare for broadband infrastructure investments.	Enable local governments & nonprofits to secure financing for broadband infrastructure.	Fund last-mile broadband infrastructure projects in every county.	Assist with broadband infrastructure deployment & adoption in public housing, Tribes, & unserved areas.
Target	Program Fully Subscribed	<u>Proposed Rules</u> out for Comment	<u>Info & Updates</u> on Applications	<u>Apply</u> in the next cycle for adoption, public housing, infrastructure & line extension accounts

Federal Funding Account Applications

~\$2 Billion for Last Mile Infrastructure Projects to deliver reliable broadband to unserved communities

- For projects providing end-user service to unserved locations
- For the grant window that closed September 29, 2023:
 - 483 grant applications
 - from 63 unique entities
 - for \$4.6 billion
- An application received for every county in the state
- Coming next: summaries, maps, and the objection process.
- To sign up for updates
- For more information



Broadband Implementation for California

In July 2022, Governor Gavin Newsom signed [Senate Bill 106](#) into law. It is historic broadband legislation that aims to bridge the digital divide and provide reliable and affordable internet access to all Californians.

Senate Bill 106 amended California Public Utilities Code section 221 to fund the [Last Mile Federal Funding Account](#) and [Local Agency Technical Assistance](#) grants, and the [Loan Loss Reserve Fund](#).

Last Mile Federal Funding Account

The Federal Funding Account provides \$2 billion in grants for last mile broadband infrastructure projects to connect unserved and underserved Californians with high-speed broadband service.

The California Public Utilities Commission will begin accepting applications for last mile broadband infrastructure projects at the end of June.

Please visit the CPUC's [Application Resources webpage](#) for more information on how to apply for Federal Funding Account grants.

Eligible entities may begin working on their applications in the Broadband Grant Portal. To get started, register for an account in the Broadband Grant Portal by clicking on the button below.

Once your account has been established, you will receive an email confirmation with your username and instructions on logging in.

REGISTER



Loan Loss Reserve Program

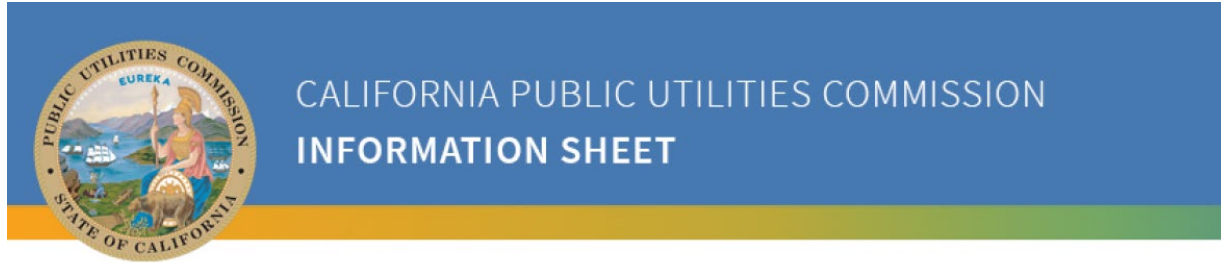
Loan Loss Reserve Program Proposed Rules

Overview

Funds bonds for deployment of broadband infrastructure by a local government agency or nonprofit organizations.

Timeline

- Proposed Decision issued September 28, 2023
- Opening Comments due October 18, 2023
- Reply Comments due October 23, 2023
- Earliest Commission could adopt November 2, 2023
- First Applications and Awards ~1Q-3Q 2024



Broadband Loan Loss Reserve Fund Proposed Decision Issued

[Rulemaking 20-08-021 for the California Advanced Services Fund](#)

- [Program Information](#)
- [Proposed Decision on Requirements & Guidelines](#)
- [Proposed Rules Fact Sheet](#)
- [Participating in a Proceeding](#)

California Advanced Services Fund Grants

California Advanced Services Fund Grants

1 Adoption

Grants to public entities and community-based organizations for digital literacy and broadband access projects

- 32 projects awarded \$2.72 million from January 2023 cycle
- 87 applications requesting \$14.24 million submitted for July 2023 cycle

2 Infrastructure

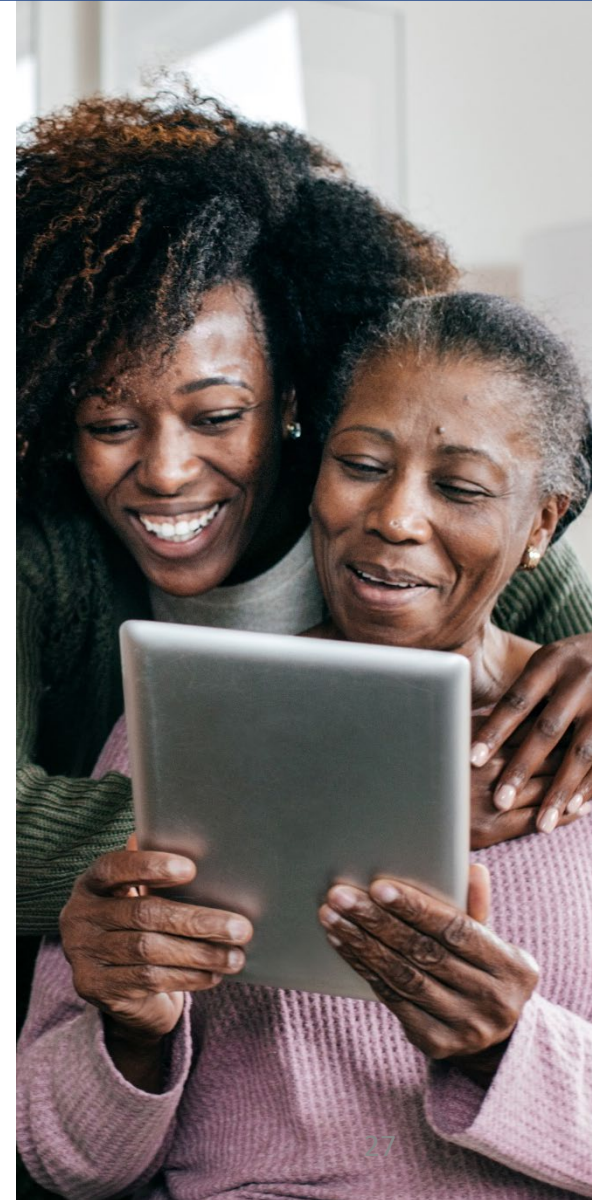
Subsidizes the cost of middle and last mile infrastructure to expand high quality communications service throughout California

- 73 applications requesting \$527 million submitted for June 2023 cycle

3 Public Housing and Low-Income Communities

Grants to build networks offering free service to low-income residents in communities such as public housing developments and mobile home parks

- 31 projects from January 2023 window awarded \$1.52 million
- 14 applications requesting \$875,255 submitted for July 2023 cycle.



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Sign up: Broadband for All Newsletter





2024 Middle Mile Advisory Committee Meetings

10:00 – 11:30 a.m.

- ✓ Friday, January 19, 2024
- ✓ Friday, April 19, 2024
- ✓ Friday, July 19, 2024
- ✓ Friday, October 18, 2024

Public Comment Session



Middle-Mile
Broadband Initiative



Thank you!

Contact:
MiddleMile@state.ca.gov



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FOR ALL**