California Broadband Council

October 22, 2024
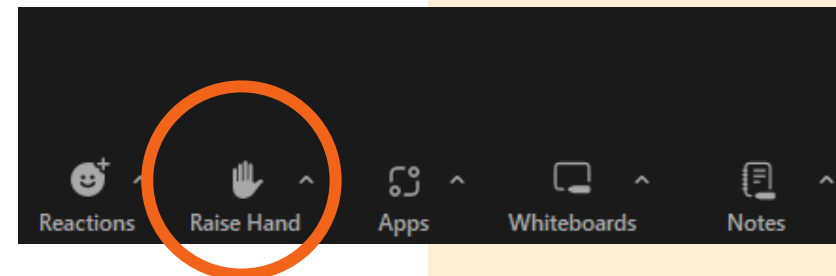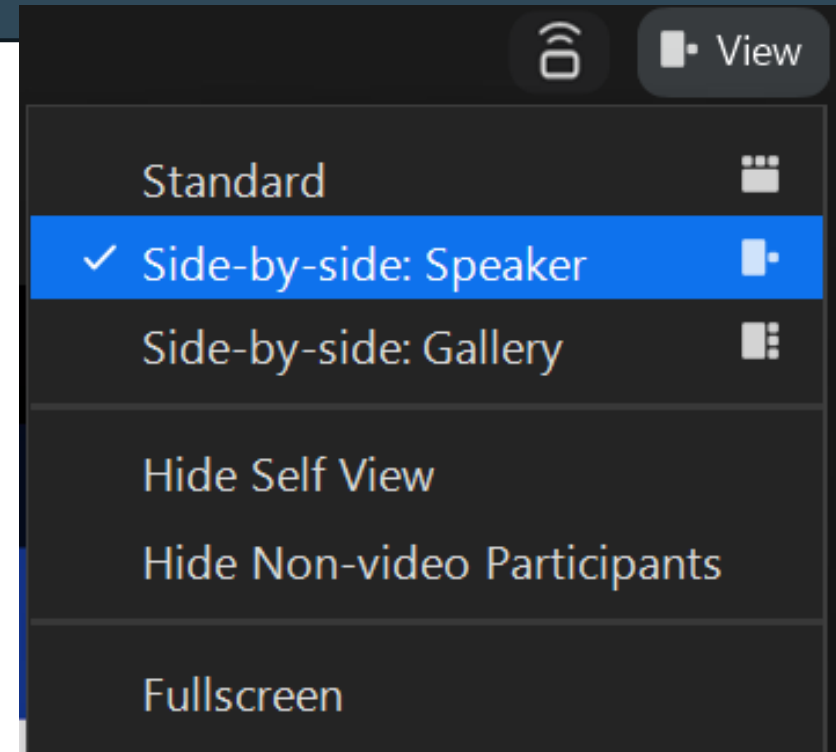
CALIFORNIA ALL | **Broadband for All**

Housekeeping

Select Side-by-Side: Speaker Mode for the best viewing experience when slides are shared

Closed Captions English closed captions are available. Choose "CC closed caption" on your toolbar and select "show subtitle".

Reactions Raise Hand feature or *9 if you calling into Zoom by phone

WELCOME

Liana Bailey-Crimmins

STATE CHIEF INFORMATION OFFICER & DIRECTOR

California Department of Technology

Agenda

Welcome
___

Executive Report
___

Broadband for All Year in Review
___

NTIA IIJA Programs Update
___

Legislative Update
___

2025 Focus and Meeting Schedule
___

Public Comment
___

Closing
___

EXECUTIVE REPORT

Scott Adams

DEPUTY DIRECTOR

Office of Broadband and Digital Literacy
California Department of Technology

Executive Report

- Broadband for All Efforts

- Adoption & Affordable Connectivity Program

- Digital Equity and BEAD

- Stakeholder Engagement

BROADBAND FOR ALL YEAR IN REVIEW
Broadband Action Plan

Scott Adams

DEPUTY DIRECTOR

Office of Broadband and Digital Literacy
California Department of Technology

BROADBAND FOR ALL
2024 Focus and Highlights

Broadband For All Initiatives

Digital Equity & BEAD Implementation

Annual Action Plan Review & Revision

Coordination & Collaboration

BROADBAND FOR ALL
Action Item Highlights

Action Item #2: Funding

BEAD & Digital Equity Funding ($1.87B + $70.2M)

Action Item #6: Permitting

Local Broadband Permitting

Action Item #7: State Properties

Locations for MMBI Facilities

Action Item #12: LifeLine Program

Consumer Enhancements

Action Item #16: Low-cost offers & subsidies

2.945M HHs, $1.7B

Action Item #18: Digital Inclusion Stakeholder Network

11,000-plus

Action Item #21: Broadband for All Portal

Site Expansion

BROADBAND FOR ALL YEAR IN REVIEW
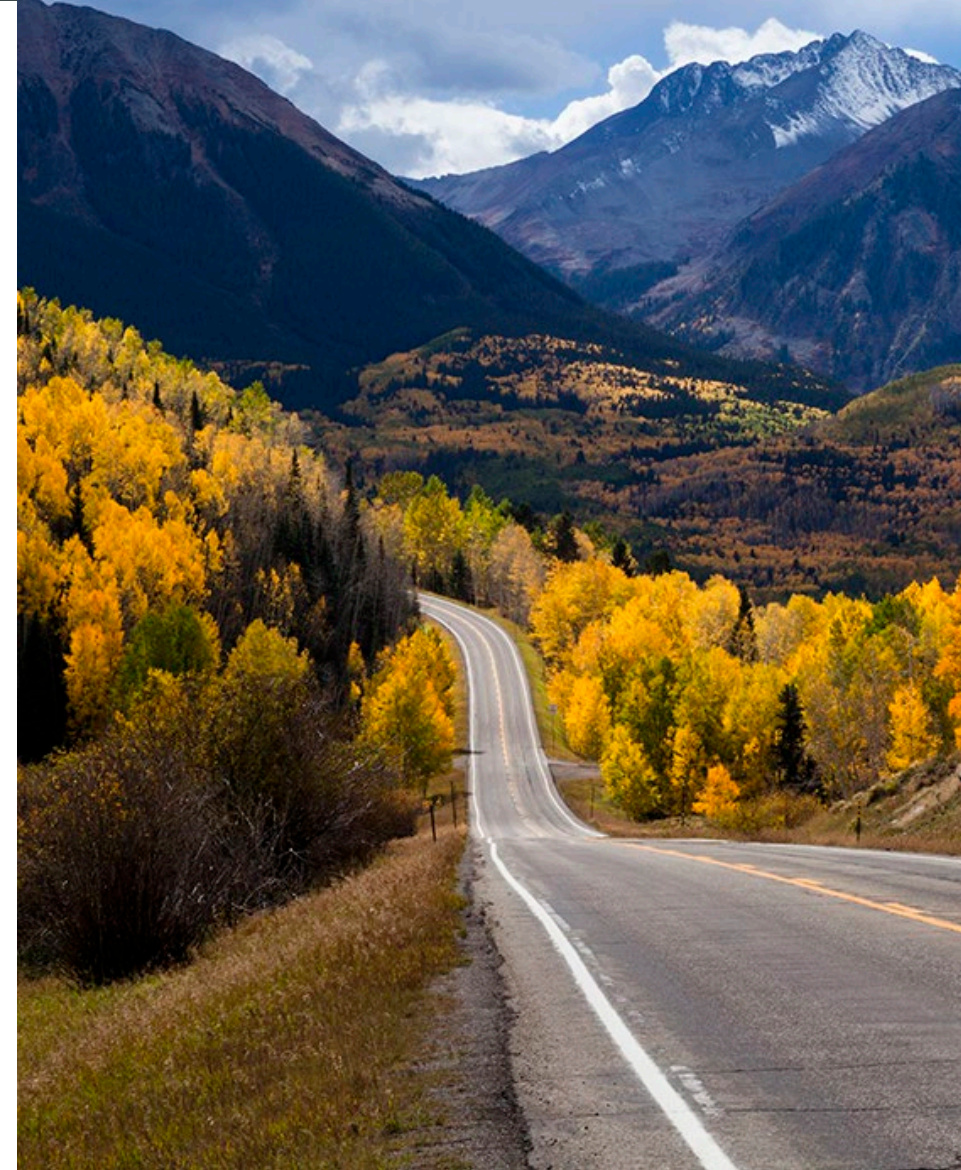## Middle-Mile Broadband Initiative

Mark Monroe

DEPUTY DIRECTOR

Middle-Mile Broadband Initiative
California Department of Technology

- Network routes finalized
  - Budgetary Authority
  - Statutory Authority
- Over 7,000 RFI^2 Partner miles under contract
  - *IRU/Lease, Joint Builds & Purchase*
- Broke Ground on 40 Segments
  - *Major sites: San Jose, Willits and Sacramento*

MIDDLE-MILE BROADBAND INITIATIVE
At a Glance

Miles completed

May 2024 **950**

June 2024 **1,205**

July 2024 **1,485**

August 2024 **1,666**

September 2024 **1,823**

8,066 total miles

Est. time of completion **2026**

Pre-Construction:
6,243 miles
(**81%** of the total)

Installation:
1,823 miles
(**19%** of the total)

*As of September 30, 2024

Statewide Network

— Pre-Construction
— Installation
— Ready-to-Connect

110 Miles
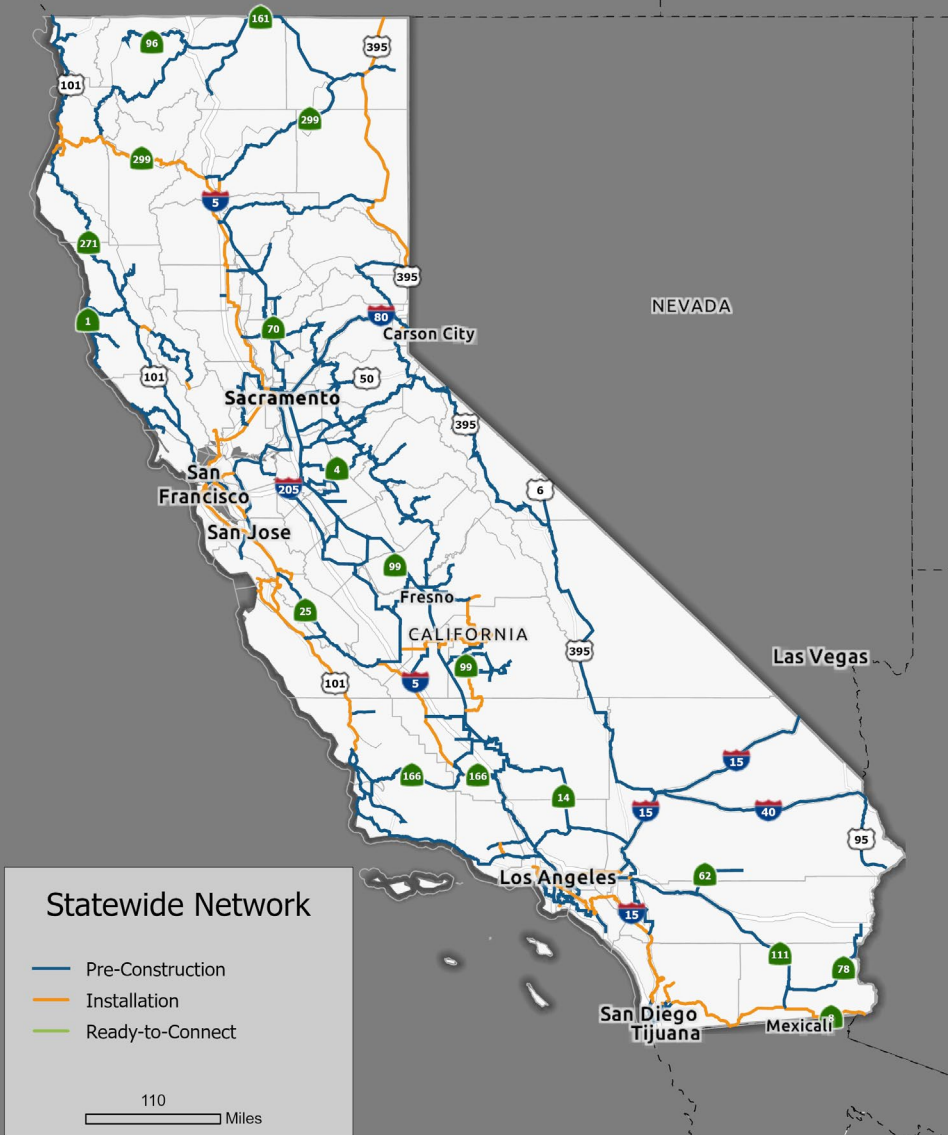
Network Development Activities

Caltrans Construction:

842 total miles
including SR 67 Dig Smart

780 miles in pre-construction

62 miles installation

IRU/Lease Partners:

3,700 total miles
Boldyn, CVIN, Lumen, TPN-299, YTel

2,834 miles in pre-construction

865 miles installation

Joint Build Partners:

3,100 total Joint
American Dark Fiber, Arcadian, Hoopa Valley,
Lumen, Siskiyou Tel, Vero, Zayo

2,224 miles in pre-construction

883 miles installation
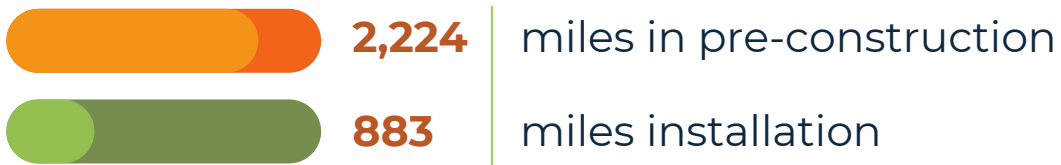
Purchase Partners:

423 total miles
Digital 395

423 total purchase miles

Monthly Spotlight

September: CDT Partners with American Dark Fiber

The California Department of Technology (CDT) announces an exciting new joint-build partnership with American Dark Fiber (ADF) to build out over 380 miles of network infrastructure as part of the State's Middle-Mile Broadband Initiative (MMBI). These miles are spread across 13 counties in the northern and southern parts of the State and will enable more affordable and reliable broadband access for some of California's most unserved and underserved communities.

Scan here for MMBI Fact Sheet

Other Significant Partnerships

CVIN Contract Amendment

- IRU/lease

- 158 miles of additional infrastructure development

Yurok Telecommunications (YTel) Contract

- Government-to-Government

- IRU/lease

- 48 miles developed along SR 101

MMBI Groundbreakings

BROADBAND FOR ALL YEAR IN REVIEW
Last Mile Program

Rob Osborn

DIRECTOR, COMMUNICATIONS DIVISION

California Public Utilities Commission (CPUC)

CPUC LAST MILE SUMMARY
Broadband Programs & Investments Overview

|	Broadband Equity Access and Deployment (BEAD)	California Advanced Services Fund (CASF)	Loan Loss Reserve Fund (LLR)	Last Mile Federal Funding Account (FFA)
Amount	~$1.86 billion	$136 million for 2024-25	$50 million	~$2 billion
Summary	Funds for planning, infrastructure and adoption starting in 2024.	Funds broadband infrastructure and adoption in low-income housing, Tribal communities, and unserved areas.	Provides collateral to local government, Tribes, and nonprofits to finance their own broadband Infrastructure.	Funds for last-mile broadband infrastructure projects in every county.
What's Next?	Submit to NTIA results of Challenge Process, Plan and Implement subgrantee selection.	Adoption, Public Housing, Line Extension and Tribal Tech Assistance application cycles in 2025.	Program updates, awards, and upcoming activities.	Recommendations and awards.

Federal Funding Account (FFA)

Over $600 million awarded for high-quality, reliable last mile infrastructure.

A **variety of grantees awarded** including tribes and county organizations.

Awards **serving low-income and disadvantaged communities** throughout California.

Many awarded projects **plan to connect to the Middle Mile Broadband Initiative**, an important piece in connecting communities.
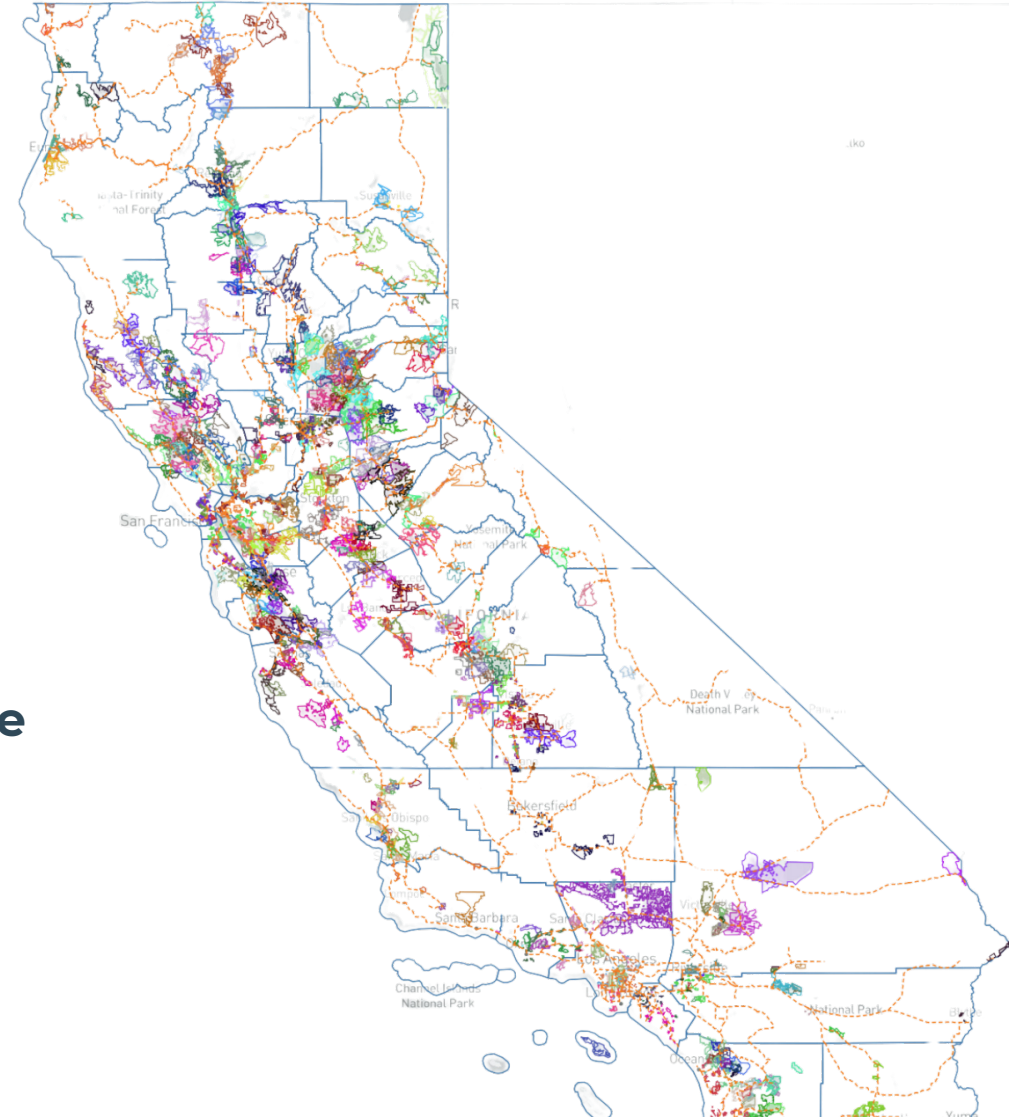
Federal Funding Account Current Status

Federal Funding Account Awards and Recommendations by County

- More than 60 projects awarded across the State with more coming!

- To date, the Federal Funding Account has:
  - $647 million grants awarded
  - $157 million grant awards recommended
  - 2.9 million estimated benefitting population
  - 44 projects serving disadvantaged areas

AWARDED
$600 million+
30 Counties

RECOMMENDED
$150 million+
3 Counties

As of October 17, 2024

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20

Loan Loss Reserve Program

Overview

Provides collateral so that local governments, Tribes, and non-profits can receive more favorable borrowing rates and terms for bonds, loans, and letter of credit for the deployment of publicly owned broadband infrastructure.

Update

Senate Bill 109 specified $50 million program; implemented in September Resolution.

Timeline

Awards before December 31, 2024

California Advanced Services Fund

Adoption: Grants for digital literacy and broadband access projects

- July 1, 2024 cycle | 68 applications received | requesting over $12.7 million

- Next Application Deadline: January 1, 2025

Public Housing: Grants to build networks offering free service to low income communities

- July 1, 2024 cycle | 36 applications received | requesting over $2.7 million

- Next Application Deadline: January 1, 2025

Infrastructure: Grants to subsidize the cost of middle and last mile infrastructure to expand high quality communications service throughout California.

- Awarded $40 million to 3 projects in June

Tribal Technical Assistance: Grants to assist California Tribes in developing market studies, feasibilities studies, and/or business plans

- Expanded program and increased support for market studies, feasibility studies, and business plans in Decision 24-03-041

- April 1, 2024 cycle | 3 Tribal applications | $750,000

- Next Application Deadline: January 1, 2025

California Advanced Services Fund

CASF Account	January – June 2024		Since 2008	
	Total Projects	Total Awarded	Total Projects	Total Awarded
Infrastructure	5	$46,624,114	100	$344,621,327
Infrastructure Loan	0	$0	1	$40,997
Line Extension Program	0	$0	4	$2,071,101
Tribal Technical Assistance	10	$1,791,800	77	$7,611,550
Consortia	0	$0	62	$29,063,202
Adoption	51	$6,155,822	454	$46,788,426
Public Housing	11	$1,027,501	506	$17,969,145
Total:	**77**	**$55,599,237**	**1,204**	**$448,165,748**

California Advanced Services Fund

Broadband Adoption Account

Provides grants to increase publicly available or after-school broadband access and digital inclusion, such as digital literacy training programs and public education to communities with limited broadband adoption.

Eligibility:
Local governments, senior centers, schools, public libraries, nonprofit organizations, and community-based organizations.

Project Types:
- Digital Literacy
- Broadband Access
- Broadband Call Centers

Fiscal year 2024-25 Broadband Adoption Account budget:
$36.4M

Completed or ongoing projects:
- 365 Digital Literacy projects serving 98,469 participants
- 41 Broadband Access projects serving 221,864 participants
- 26 Call Center projects serving 79,366 participants

California Advanced Services Fund

Broadband Public Housing Account

Provides grants and loans to low-income communities to connect broadband networks that offer free broadband service. The Broadband Public Housing Account will award grants to finance up to 100 percent of the costs to install last mile infrastructure, inside wiring and broadband network equipment.

Eligibility
- Publicly supported housing development, farmworker housing, Tribal Housing, mobile home parks, Census Block Group Projects (low-income), and other housing developments

Project Types
- Infrastructure
- Internet Extension

Fiscal year 2024-25 Broadband Public Housing Account budget: $30.1M

The Broadband Public Housing Account has connected **21,206 units** to free internet access since its inception.

BROADBAND FOR ALL YEAR IN REVIEW

Broadband Adoption & Affordable Connectivity Program

Sunne Wright McPeak

President and CEO

California Emerging Technology Fund (CETF)

Impact on California

California led in ACP Enrollment Efforts

2,945,282

Eligible households enrolled in ACP

1 in 5

California households enrolled in ACP

$1,668,542,768

Total ACP Support as of 4/15/2024

Source: FCC ACP Impact by State (ca.gov)

Affordable Service Offers

ISP	Affordable Offer	Speed	Price
AT&T	Access from AT&T	100 Mbps	$30.00
Comcast	Internet Essentials	50/10 Mbps	$9.95
	Internet Essentials Plus	100/20 Mbps	$29.95
Cox	Connect2Compete Internet (>1 Child in School + >1 Public Assistance Program)	<100 Mbps	$9.95
	ConnectAssist (>1 Public Assistance Program)	100 Mbps	$30.00
Frontier	Frontier Essentials	200 Mbps	$29.99
Spectrum (Charter)	Spectrum Internet Assist	50 Mbps	$24.99

Looking Ahead

- Broadband adoption efforts funded by **CASF Adoption Account**, **State DE Capacity Subgrant Program** and potentially **NTIA DE Competitive Grants**

- Increase availability and competition as a result of **Broadband For All infrastructure projects**

- Future low-cost offers associated with **Federal Funding Account** and **BEAD** awards

NTIA IIJA PROGRAMS UPDATE

State Digital Equity Plan (SDEP) and Digital Equity Capacity Grant Program Implementation

Scott Adams

DEPUTY DIRECTOR

Office of Broadband and Digital Literacy
California Department of Technology

Key Milestones

March 28
SDEP Approved by NTIA

March 29
NTIA DECG NOFO Released $70.2m Allocation

May 29
State Application Submitted to NTIA

May 29 - Present
Curing and Merit Review Process

Stakeholder Engagement

SDEP & DECG Monthly Stakeholder Briefings
- 5/26, 7/30, 8/26, 9/30

Market Research & Listening Sessions
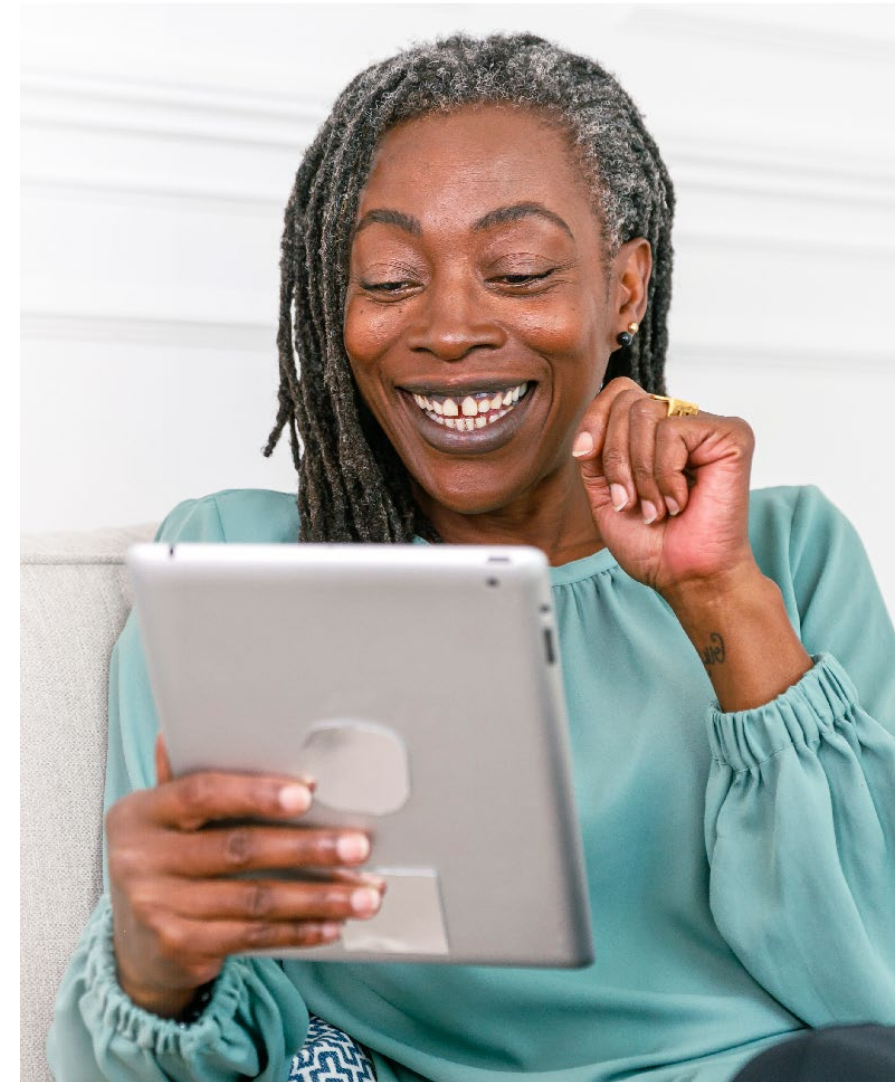- 5/1 – 9/30

Questionnaires
- 6/18 – 7/2 Capacity Grant & Subgrant Program Design
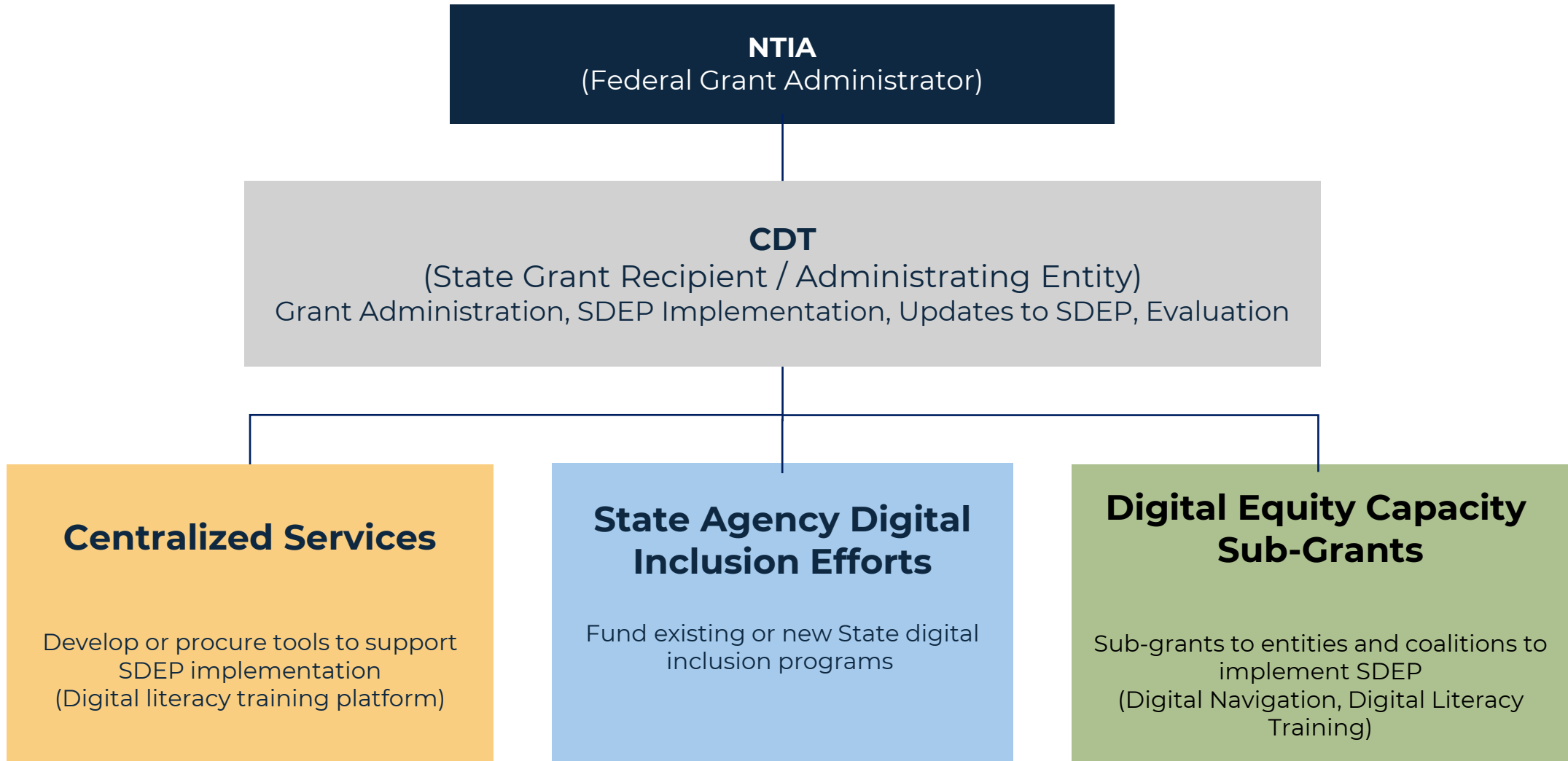- 8/14 – 8/28 Devices

Large Group Presentations
- 8/1 - Northeastern & Upstate CA Connect Broadband Consortia 6th Annual Broadband Summit
- 8/22 – SF Tech Council Bay Area Digital Equity Summit
- 8/23 – Central Coast Broadband Summit
- 9/17 – Solano Connected DE Consortium Meeting
- 9/17 – NTIA Joint Cohort Summit
- 10/15 – LA County IBCC Workshop
- 10/16 – SF Tech Council

Competitive Grant Coordinating Meetings
- 18 Applicant Groups

SDEP AND DIGITAL EQUITY CAPACITY GRANT PROGRAM IMPLEMENTATION

Capacity Grant Program Structure

NTIA
(Federal Grant Administrator)

CDT
(State Grant Recipient / Administrating Entity)
Grant Administration, SDEP Implementation, Updates to SDEP, Evaluation

Centralized Services

Develop or procure tools to support SDEP implementation
(Digital literacy training platform)

State Agency Digital Inclusion Efforts

Fund existing or new State digital inclusion programs

Digital Equity Capacity Sub-Grants

Sub-grants to entities and coalitions to implement SDEP
(Digital Navigation, Digital Literacy Training)

SDEP AND DIGITAL EQUITY CAPACITY GRANT PROGRAM IMPLEMENTATION
Draft Subgrant Design

Two funding tracks designed to focus on regional, local & targeted statewide **ecosystem development.**

	Track 1: Regional/Local Ecosystems	Track 2: Targeted Statewide Ecosystems

Design	• Formula allocation per county geographic boundary
	• Encourage one lead applicant per area
	• Regional/Local Planning + Capacity Grant
	• Local capacity to be aided by centralized services
		• Competitive grants for development of statewide ecosystems & innovation for:
		    ○ Targeted Outcome Areas
		    ○ Specific Covered Populations

Eligible Entities	• **Leads**: Eligible entity within each county geographic boundary (allow multi-county joint applications) • **Subgrants**: Funds may subsequently be allocated to other implementation partners	• Nonprofits and digital inclusion providers with outcome area, covered population, or statewide reach • Tribes and Tribal consortia and associations

Public Comment on Draft Guidelines

- **30-day public comment period**

- **September 30 – October 29**

- **Online via the BB4All Portal**

Comments are still being accepted!

Other Sources of Funding

NTIA Competitive Grant Application Period Closed on 9/23
- More than 20 CA-based applications submitted
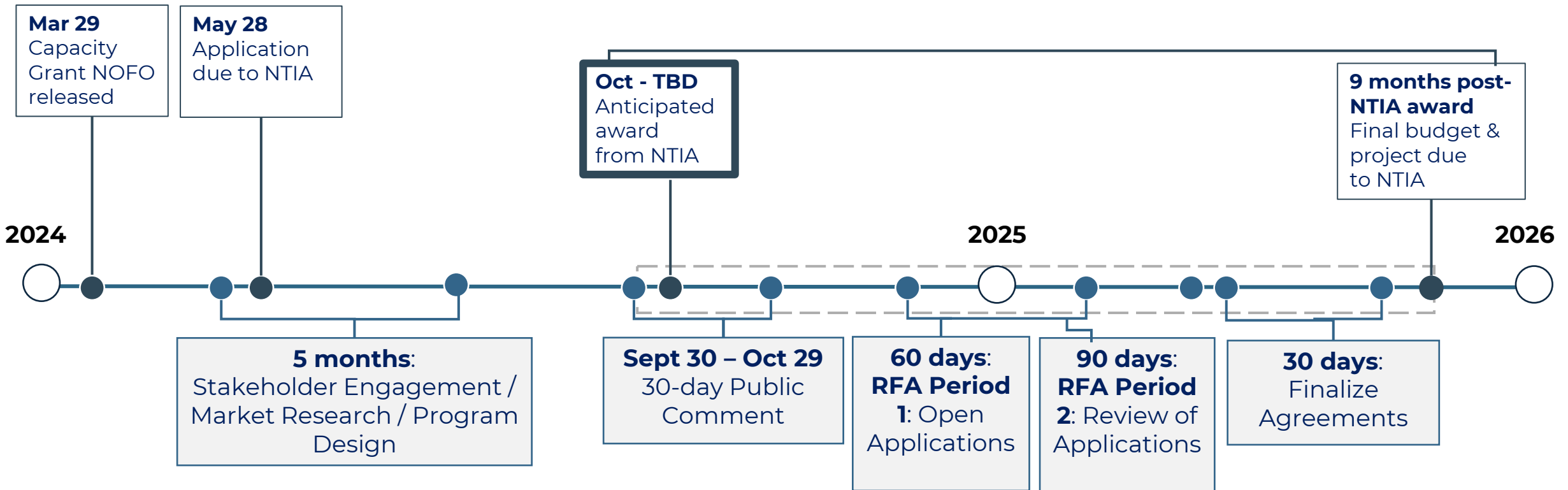- Applications requested more than $250 million in total funding

NTIA Native Entity DE Capacity Grant is now Open!
- Open from 9/25/24 – 2/7/25
- Funds initiatives that help Native communities fully access the digital world --

  - Native entities may apply as part of a consortium or may submit an individual application
  - No non-federal cost sharing or matching funds requirement
  - Grants to range from $500,000 to $2,000,000

Source: State Digital Equity Capacity Grant Program: Native Entities | BroadbandUSA (ntia.gov)

SDEP AND DIGITAL EQUITY CAPACITY GRANT PROGRAM IMPLEMENTATION
Tentative Timeline

Approximation of important milestones for Capacity Grant Planning

Mar 29
Capacity Grant NOFO released

May 28
Application due to NTIA

Oct - TBD
Anticipated award from NTIA

9 months post-NTIA award
Final budget & project due to NTIA

2024

2025

2026

5 months:
Stakeholder Engagement / Market Research / Program Design

Sept 30 – Oct 29
30-day Public Comment

60 days:
RFA Period 1: Open Applications

90 days:
RFA Period 2: Review of Applications

30 days:
Finalize Agreements

Note: Tentative timeline subject to revision and change

Follows receipt of NTIA award

Source: DE Capacity Grant NOFO Page 1

NTIA IIJA PROGRAMS UPDATE

Broadband Equity, Access, and Deployment (BEAD)

Rob Osborn

DIRECTOR, COMMUNICATIONS DIVISION

California Public Utilities Commission (CPUC)

BROADBAND EQUITY, ACCESS, AND DEPLOYMENT (BEAD)
Update

In June 2023, $1.86 billion was allocated to California to deploy last-mile service to unserved and underserved

Key Milestones
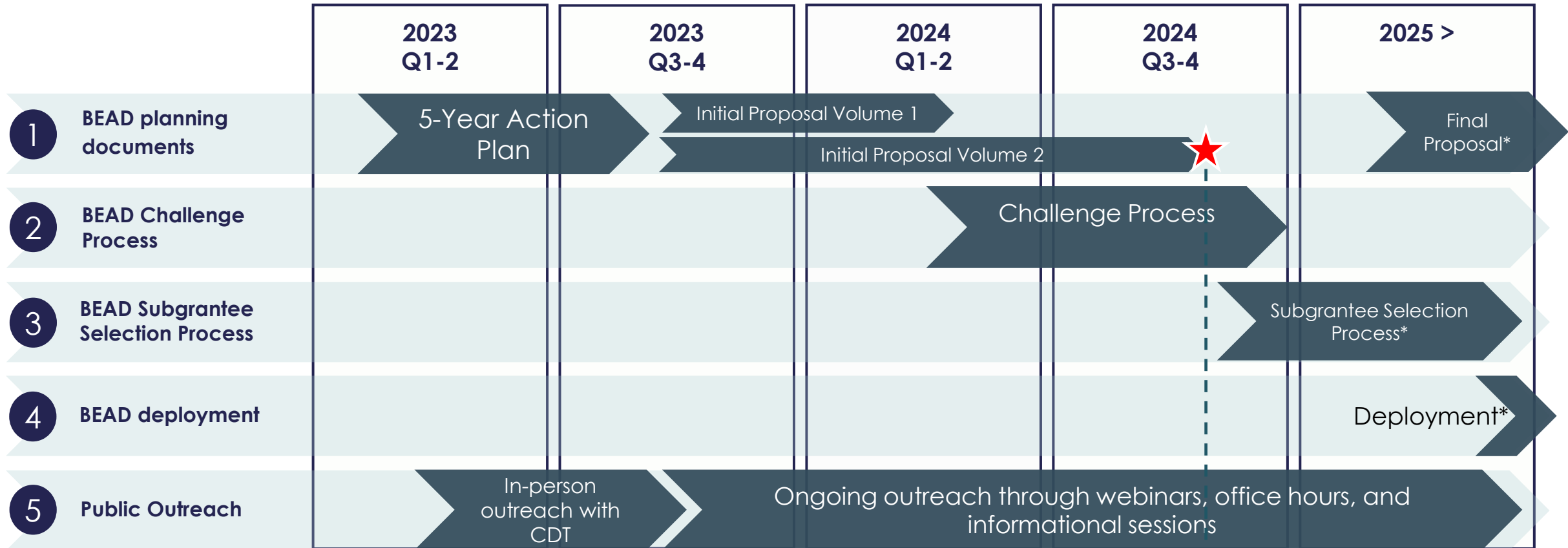
✓ *Open BEAD Rulemaking (R.23-02-016) for design and implementation*

✓ *Five Year Action Plan accepted by National Telecommunications and Information Administration (NTIA)*

✓ *Approval for Initial Proposal Volume 1 received April 4, 2024*

✓ *Approval for Initial Proposal Volume 2 received October 3, 2024*

❑ Conduct Subgrantee Selection Process—Q1-Q3 2025

❑ CPUC and NTIA approval of proposed grant awards– Q4 2025

❑ All activities subject to NTIA review and approval

BROADBAND EQUITY, ACCESS, AND DEPLOYMENT (BEAD)
Update

		2023 Q1-2	2023 Q3-4	2024 Q1-2	2024 Q3-4	2025 >
1	BEAD planning documents	5-Year Action Plan	Initial Proposal Volume 1	Initial Proposal Volume 2	★	Final Proposal*
2	BEAD Challenge Process			Challenge Process		
3	BEAD Subgrantee Selection Process				Subgrantee Selection Process*	
4	BEAD deployment					Deployment*
5	Public Outreach	In-person outreach with CDT	Ongoing outreach through webinars, office hours, and informational sessions			

**Subgrantee Selection rules approved
Challenge Process ends November 4, 2024**

40

*Exact timeline dependent on NTIA approval

LEGISLATIVE UPDATES

Rob Osborn

DIRECTOR FOR COMMUNICATIONS

California Public Utilities Commission

Mark Monroe

DEPUTY DIRECTOR

Middle Mile Broadband Initiative
California Department of Technology

Legislative Updates

Relevant Legislation

- [AB 2765-Pellerin (Chapter 740) backup electricity](#)

- [SB 109-Wiener (Chapter 36) Budget Act of 2023](#)

- [SB 108-Wiener (Chapter 35) Budget Act of 2024](#)

- [SB 164 (Chapter 41) Committee on Budget and Fiscal Review: State government](#)

2025 FOCUS AND MEETING SCHEDULE

Scott Adams

DEPUTY DIRECTOR

Office of Broadband and Digital Literacy
California Department of Technology

2025 Focus and Meeting Schedule

Staff Recommendation:

- Annual Action Plan Review and Revision

- Broadband for All Initiatives

- Quarterly Meetings (4th Fridays of the month)

  - January 24

  - April 25

  - July 25

  - October 24

PUBLIC COMMENT

THANK YOU!

Sign up:
Broadband for All Email Update

Next CBC Meeting:
Friday, January 24, 2025
9:30 a.m. – 11:30 a.m.

Website:
BroadbandForAll.cdt.ca.gov

Contact:
CABroadbandCouncil@state.ca.gov

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