



**BROADBAND  
FOR ALL**

# California Broadband Council

**July 26, 2023**





# Welcome and Member Comments

**Liana Bailey-Crimmins**

Director

California Department of Technology



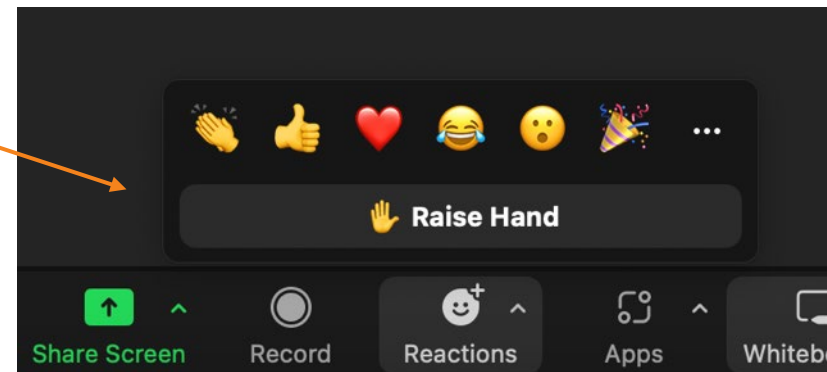
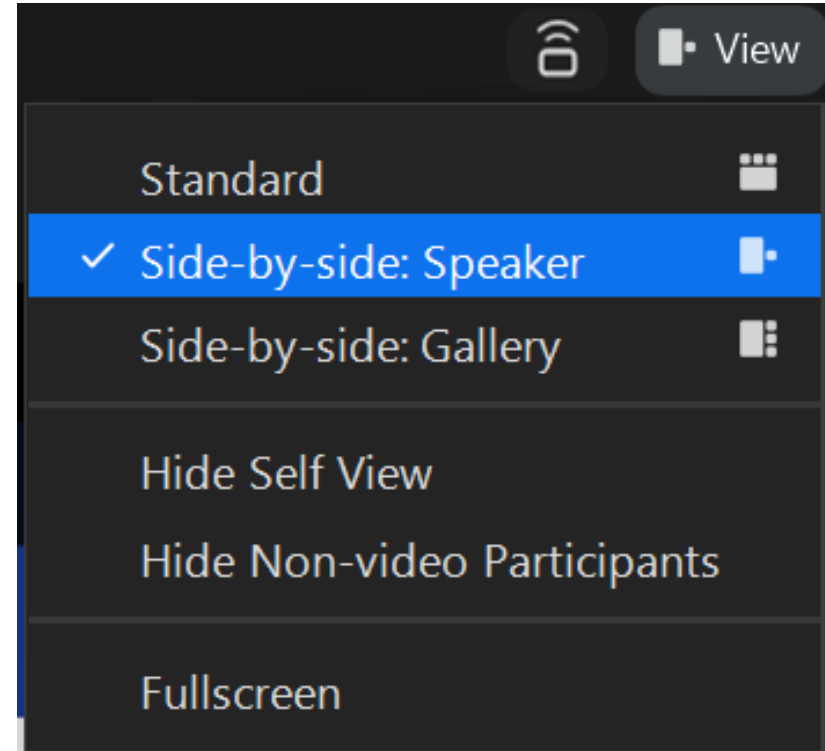
# AGENDA

- Welcome and Member Comments
- OBDL Executive Report
- **Broadband for All Updates**
  - Middle-Mile Broadband Initiative
  - Last-Mile Programs
  - Affordable Connectivity Program
- **NTIA IIJA Program Updates (SDEP & BEAD)**
- **Public Comment**

**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





# Office of Broadband and Digital Literacy Executive Report

**Scott Adams**

Deputy Director

Broadband and Digital Literacy

**California Department of Technology**

- Action Plan Update
- Broadband for All Engagement
- Adoption and ACP Enrollment Efforts
- Digital Equity and BEAD planning





# **BROADBAND FOR ALL UPDATES**

- **Broadband for All Action Plan**
- **Middle-Mile Broadband Initiative**
- **Last-Mile Programs**
- **Affordable Connectivity Program**



**Scott Adams**

Deputy Director

Office of Broadband and Digital Literacy

**California Department of Technology**



# Broadband for All Action Plan Update

- Action Item 6: Permitting
- Action Item 16: Low-Cost Offers and ACP
- Action Item 18: Network of Digital Inclusion Stakeholders
- Action Item 21: Broadband for All Portal



**Mark Monroe**

Deputy Director

Middle Mile Broadband Initiative (MMBI)

**California Department of Technology**



## Broadband Needs

- Public input and analysis for ideal resilient network
- Yielded **10,000-mile map, 26% longer** than originally estimated



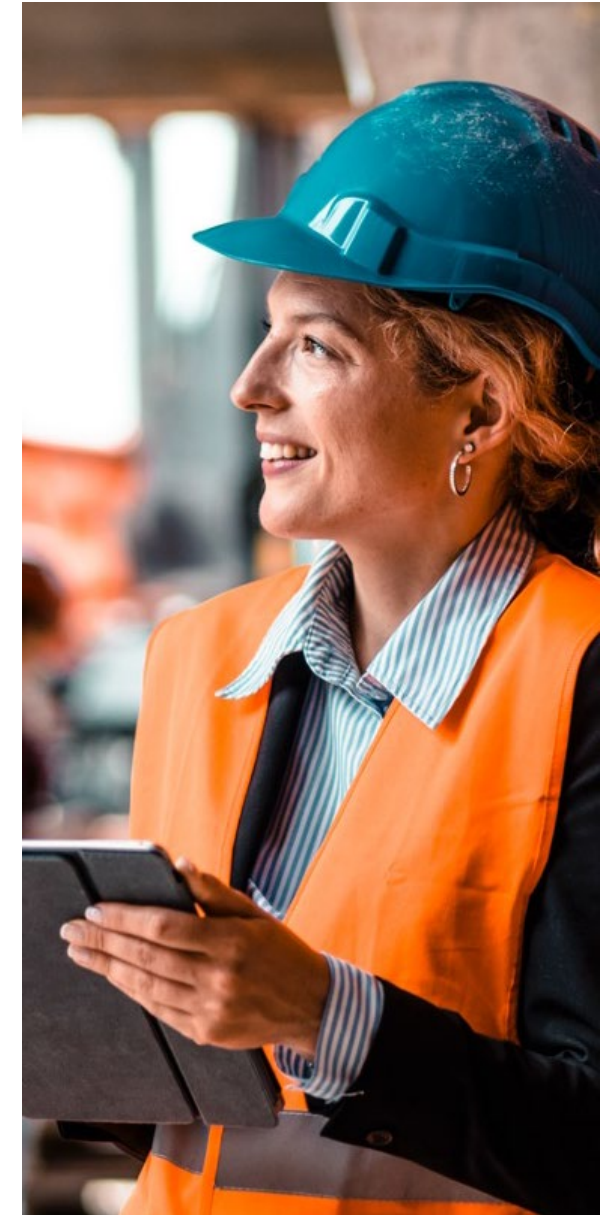
## Broadband Model

- Inflation-driven bid costs for standalone Caltrans contractor construction more than **40% higher**



## Implementation Approach

- Partnering is significantly more **cost effective**
- More miles available to implement
- RFI2 has yielded **more alternatives** than anticipated



## Key Considerations

- ✔ **Segment by segment** analysis of the 10,000-mile map
- ✔ Focus on providing maximum **coverage of unserved** with the initial phase within available budget
- ✔ Review of routes to keep unserved households as **close as possible** to the middle mile network
- ✔ Optimized coverage while maintaining **resilience** of the network
- ✔ Utilized alternative methods such as **leasing, joint builds, and purchases** where appropriate to increase the number of miles and households served



# Phase 1 Architecture

## PHASE 1

The current \$3.87 billion in funding is sufficient to develop **8,300-miles** in Phase 1.

- **4,500 miles** of Indefeasible Rights of Use (IRUs) / leases.
- **3,300 miles** of construction.
  - 1,800 miles of Caltrans standalone construction.
  - 1,500 miles of joint-build industry partnerships.
- **500 miles** of purchases.
- Includes **\$73 million in NTIA grant funding** to build out spurs to rural communities.



## Phase 2 (approximately 1,700 miles)

Alternative funding opportunities being explored:

- ✔ **Savings** from design changes and efficiencies from existing Caltrans construction directed to Phase 2 segments.
- ✔ **Last-mile funding** allocated by the CPUC may be used to build or connect to essential middle mile such as the MMBI network when part of a project providing end-user service to unserved locations.
- ✔ **Future funding** sources may be examined to build remaining miles.





**Darcie Houck**

Commissioner

**California Public Utilities Commission (CPUC)**



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# LAST-MILE UPDATE Local Area Technical Assistance

## \$50 Million for Local and Tribal Governments

- To facilitate last-mile broadband infrastructure projects
- Supporting local agency and Tribal efforts to expand broadband to families and communities lacking sufficient internet access



## Applications – Through June 2023

- 126 applications requested \$56.6 million
- 101 grants awarded a total \$47.6 million



## Eligibility – Applications No Longer Accepted

- All funds have been fully subscribed or requested
- Tribal Technical Assistance Account under CASF - separate from LATA – is still available to Tribes.





# LAST-MILE UPDATE Federal Funding Account

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

- **Now accepting Federal Funding Account Applications**
- **For projects providing end-user service to unserved locations**
- **Three Steps to Apply:**
  1. **Design Project in Applicant Tool**
  2. **Complete Application on Broadband Grant Portal**
  3. **Submit by September 29 at 4:00 pm**
- **Awards anticipated First Quarter 2024**
- **2nd Application Window to Open First Quarter 2024**
- **To [sign up for updates](#)**
- **For [more information](#)**



### Broadband Implementation for California

In July 2021, Governor Gavin Newsom signed [Senate Bill 150](#) 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 150 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.

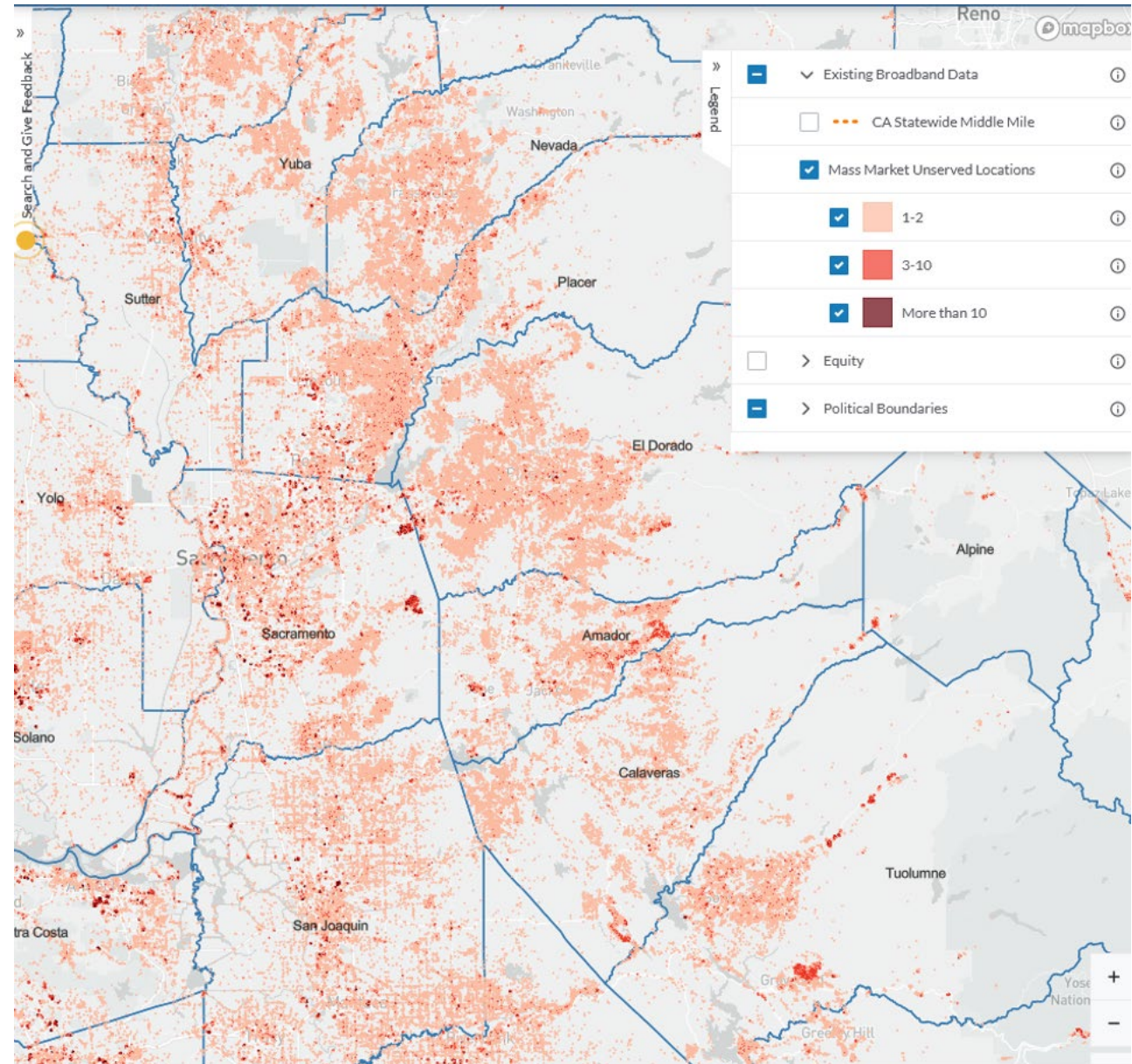
Once your account has been established, you will receive an email confirmation with your username and instructions on logging in.

REGISTER



## Program Resources:

- [Federal Funding Account webpage](#)
- [Applicant Tool Registration](#)
- [Broadband Grant Portal](#)
- [Video demonstration of Portal](#)
- [Webinar recording for prospective applicants](#)



## 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

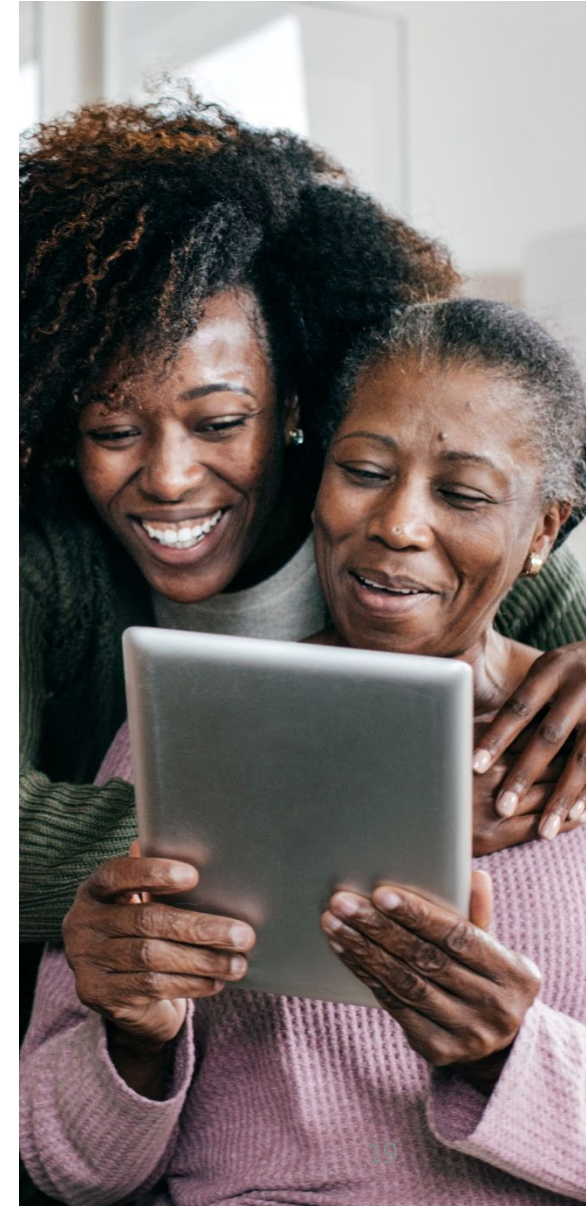
Subsidizes the cost of middle and last mile infrastructure to expand high quality communications service throughout California

- 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.



# 2023 BROADBAND INVESTMENT LAST MILE INITIATIVE Snapshot

	TECHNICAL ASSISTANCE	LOAN LOSS RESERVE FUND	FEDERAL FUNDING ACCOUNT	CALIFORNIA ADVANCED SERVICES FUND
Amount	\$50 million (part of Federal Funding Account Total)	\$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	Anticipated Action by Q4 2023	Application window open until 9/29/2023	<u>Apply</u> in the next cycle for adoption, public housing, infrastructure & line extension accounts



# **Sunne Wright-McPeak**

President and CEO

**California Emerging Technology Fund (CETF)**



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# STATEWIDE ACP MOBILIZATION UPDATE

- California Broadband Council goals of connecting 90% eligible households by end of 2024
- ***Get Connected! California*** Mobilization
- **2,317,780** enrolled households as of 7/24/2023
- 15 CA entities received \$6 million in ACP outreach grants

# CALIFORNIA LEADS THE NATION IN ACP HOUSEHOLD ENROLLMENTS

## Households eligible and enrolled households

*Last updated Jun 2023*

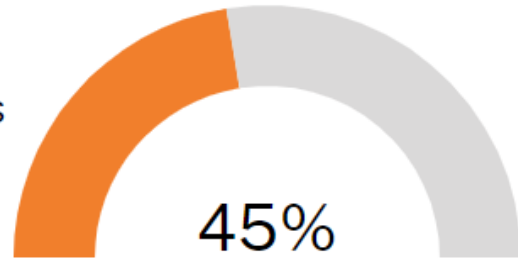
### ACP eligible households in California

**5,844,797**

eligible households  
out of

**13,044,258**

households



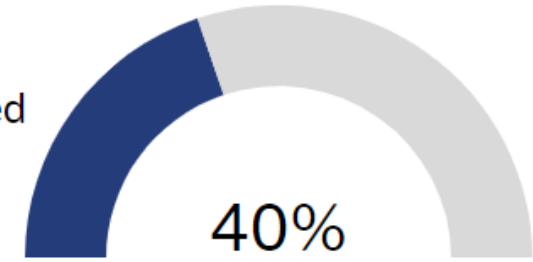
### Eligible California households enrolled in ACP

**2,317,780**

households enrolled  
out of

**5,844,797**

households



*Updated weekly on Monday evenings*

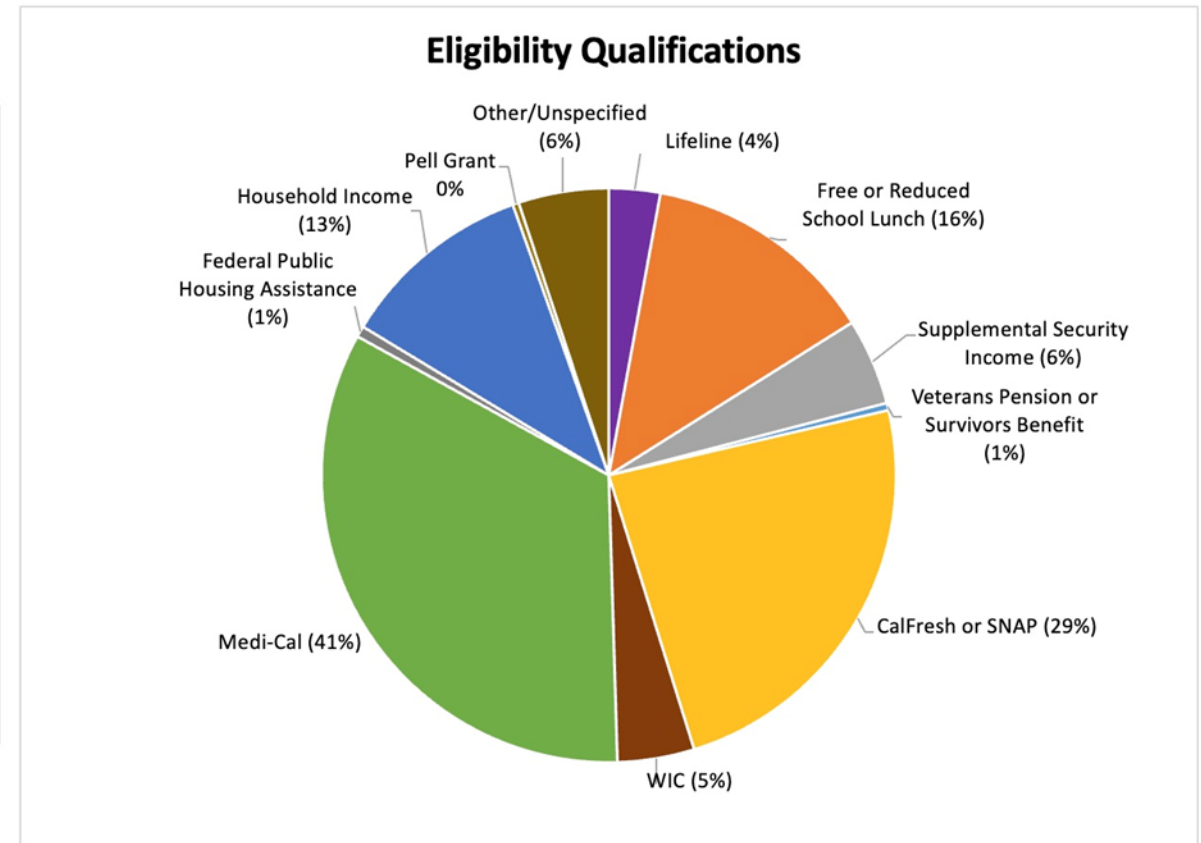
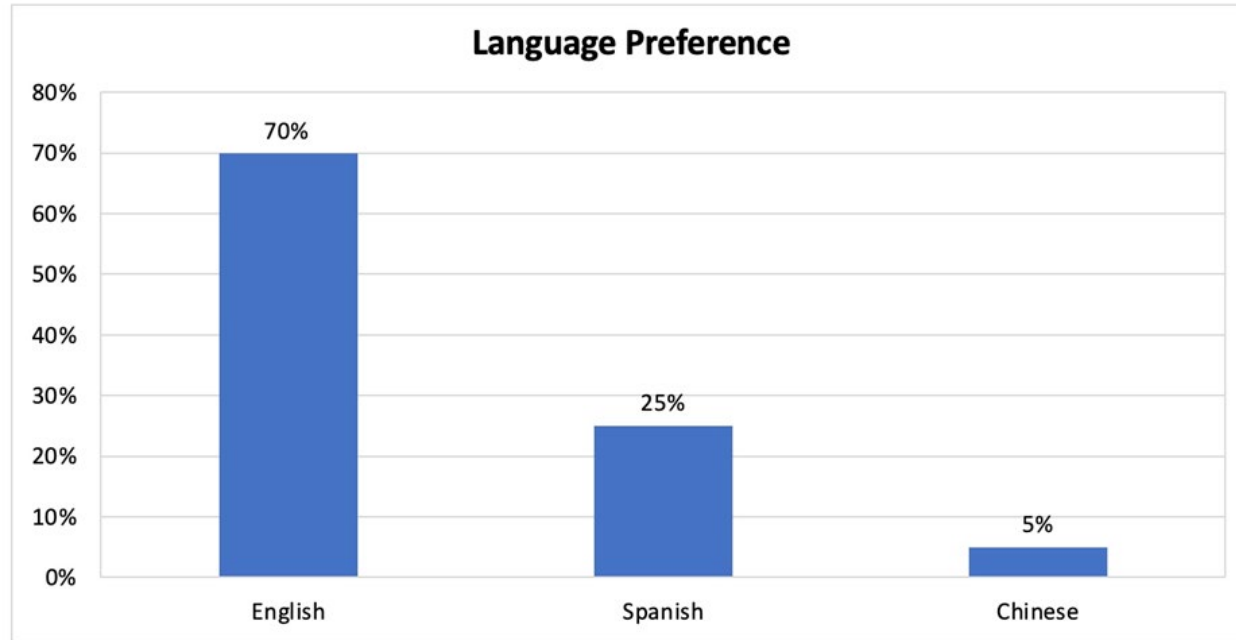
# GET CONNECTED! CA MOBILIZATION

- CETF, CDT, CDE, State Library, CSAC
- Developed and Customized Tool Kit for Enrollment Events.
- Organized/supported 75 Enrollment Events in 20 Counties
  - 61 Get Connected! Days
  - 8 LA County Events
  - 3 Broadband For All, Digital Equity, & BEAD Workshops
  - 3 SJDIP
- Enrolled 1,164 Households
- Distributed 412 Devices
- Collected Intake Surveys from all 1,191 attendees
- Conducted additional questionnaire for 412 device recipients



# GET CONNECTED! CALIFORNIA MOBILIZATION INTAKE SURVEYS

1,191 survey responses



# GET CONNECTED! CALIFORNIA MOBILIZATION DEVICE QUESTIONNAIRE

- 412 ACP Enrollees received computing devices in drawings at ACP Enrollment events
- 75% earn less than \$40,000 annually
- 75% speak a language other than English
- 43% have no internet access outside of the home
- 65% want more digital literacy training
- 65% of families with school-aged children say their school does not have computing devices for each student

# GET CONNECTED! CALIFORNIA MOBILIZATION – NEXT STEPS

- Leverage CDT and CETF FCC ACP Outreach grants
- CDT will conduct direct notifications (mail and text), social and ethnic media outreach, expand Broadband for All portal assets
- CETF will work with local entities for onsite enrollment events
- Expand coordinated efforts to include other FCC ACP Grantees

# **NTIA IIJA Programs Update**

## **Digital Equity and BEAD Planning Coordination**

### **Scott Adams**

Deputy Director, Broadband and Digital Literacy

**California Department of Technology**

### **Maria Ellis**

Deputy Director for Broadband

**California Public Utilities Commission**



# Covered Populations

The Digital Equity Act prioritizes investments for eight “Covered Populations”

**1**

**Individuals living in covered households**

with an income at or below 150% Federal Poverty Level

**2**

**Aging individuals (60+)**

**3**

**Incarcerated individuals**

other than individuals who are incarcerated in a Federal correctional facility

**4**

**Veterans**

**5**

**Individuals with disabilities**

**6**

**Individuals with language barriers**

including individuals who are English learners; and have low levels of literacy

**7**

**Members of racial or ethnic minority groups**

**8**

**Individuals who primarily reside in rural area**

**9**

**Women and those who identify as female**

**10**

**LGBTQI+**

*Specifically called out in the BEAD notice of funding opportunity*



# Planning and Implementation

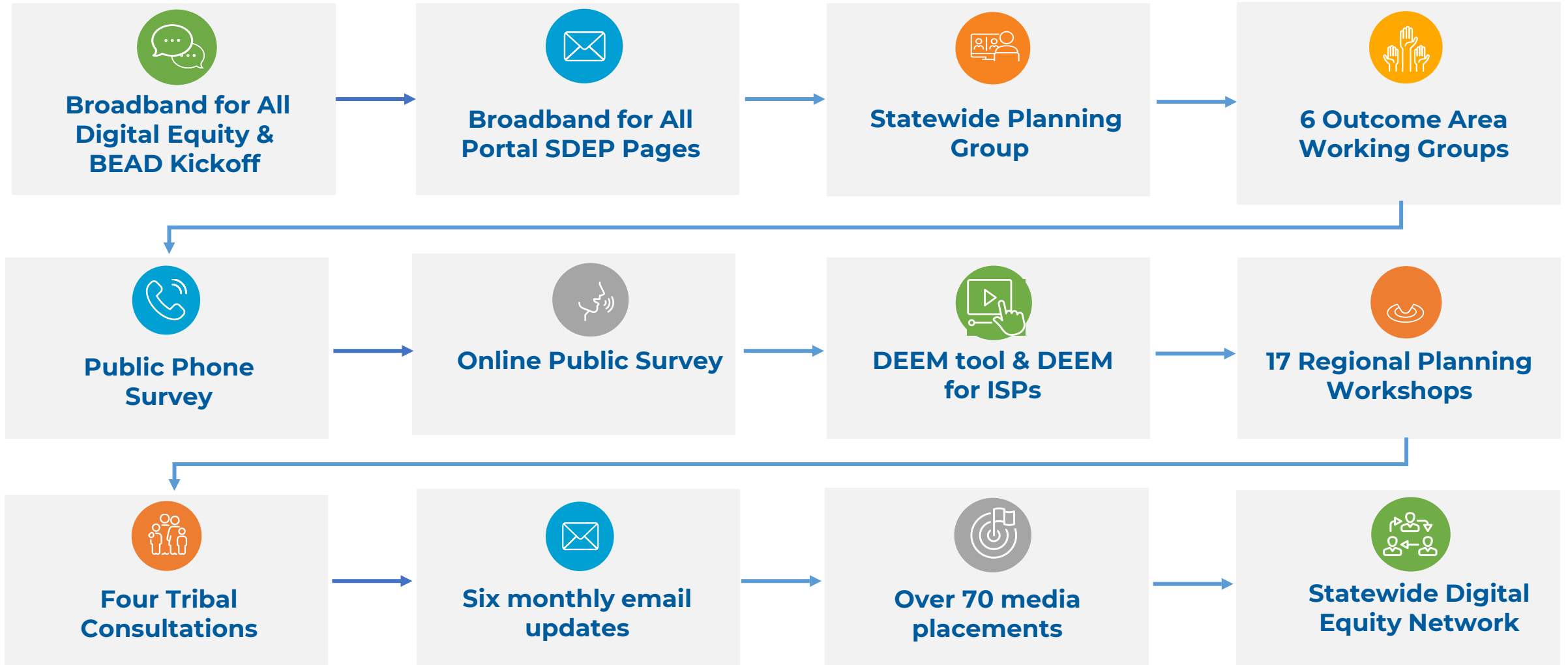
## Digital Equity Plan

- Vision, Goals and Objectives
- Process and Engagement
- Measurable Objectives
- Needs Assessment
- Barriers for Covered Populations
- Stakeholder / Asset Inventory
- Strategies
- Ongoing Engagement
- Capacity Grants / Other Funding

## Potential Uses of Capacity Grants

- Broadband Adoption efforts
- Digital Literacy Training
- Digital Navigation
- Device Distribution
- Workforce Training

# SDEP Approach: Accomplishments to Date



# SCOPE OF ENGAGEMENT

Fall BB4All Summit  
Participants

**842**

Outcome Area Working  
Group Participants

**2,651**

January and April SPG  
Meeting Participants

**421**

DEEM Tool Responses

**451**

Phone Survey Responses

**3,200**

Online Survey Responses

**40,084**

Participants of Regional Planning  
Workshops and Consultations

**2,296**

Presentations, Meetings, Interviews  
and Listening Sessions

**385+**



# DIGITAL EQUITY AND BEAD REGIONAL PLANNING WORKSHOPS

## Statewide Engagement



San Joaquin Valley North



San Joaquin Valley South



Southern Border



Northeastern Upstate



North Bay North Coast



Redwood Coast



Silicon Valley



Connected Capital Region



Central Sierra



Inland Empire



Los Angeles Region (LA)



Los Angeles Region (LB)



Orange County



Central-Eastern Sierra



Pacific Coast



Central Coast



Bay Area

**San Joaquin Valley Broadband for  
All, Digital Equity, & BEAD Planning  
Regional Workshop Video**

# OUTCOME AREA WORKING GROUPS

Outcome Area Working Groups convened subject matter experts from across the state to explore digital equity barriers and strategies to empower outcomes in the following priority policy areas:

1

**Education**

2

**Health**

3

**Digital Literacy and  
Inclusion**

4

**Essential Services,  
Accessibility and Civic  
Engagement**

5

**Workforce and  
Economic  
Development**

6

**Tribal Collaboration**

# DIGITAL EQUITY PHONE SURVEY

91%	Connected
91%	People with Disabilities
90%	Older Residents
89%	Latino
87%	Low-Income
65%	ACP-Eligible HHS That Are Not Aware of the Benefit
37%	Low-Income Households with Children in School are Aware of ACP
34%	Low-Income Households are Aware of ACP
3%	Under-connected

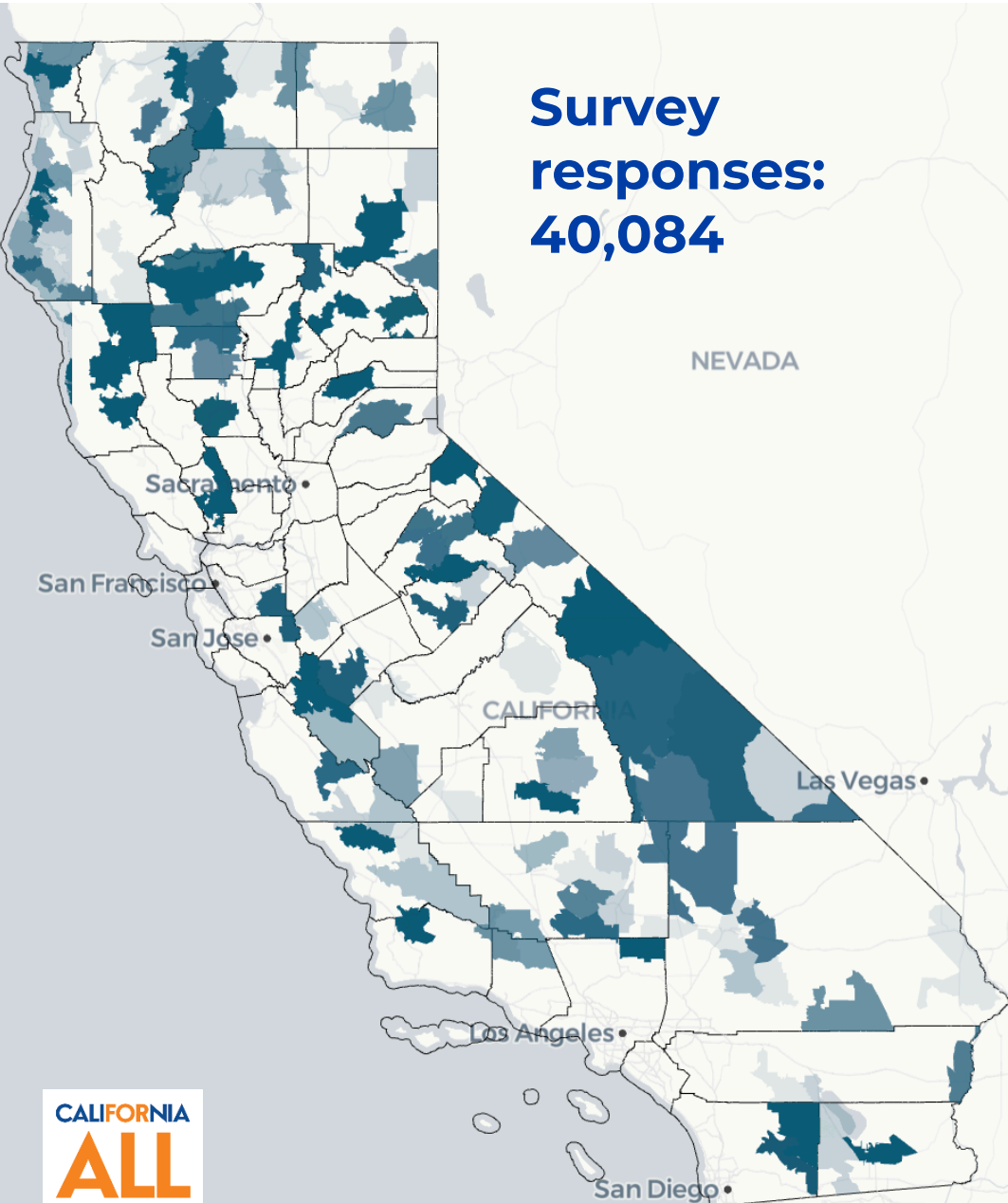
## Overall Plan (<3% Margin of Error):

- 1,650 HHs RDD (1,709 as of 7/21)
- 1,550 Oversampling of Covered Populations, Including Rural Counties and Low-Income prepaid phones
- Strategic Plan for Oversampling

## Milestones

- Completed 3,200 phone surveys
- Increased Percentage of Non-English Versions
- Higher Percentages of Covered Populations Want Digital Literacy Training

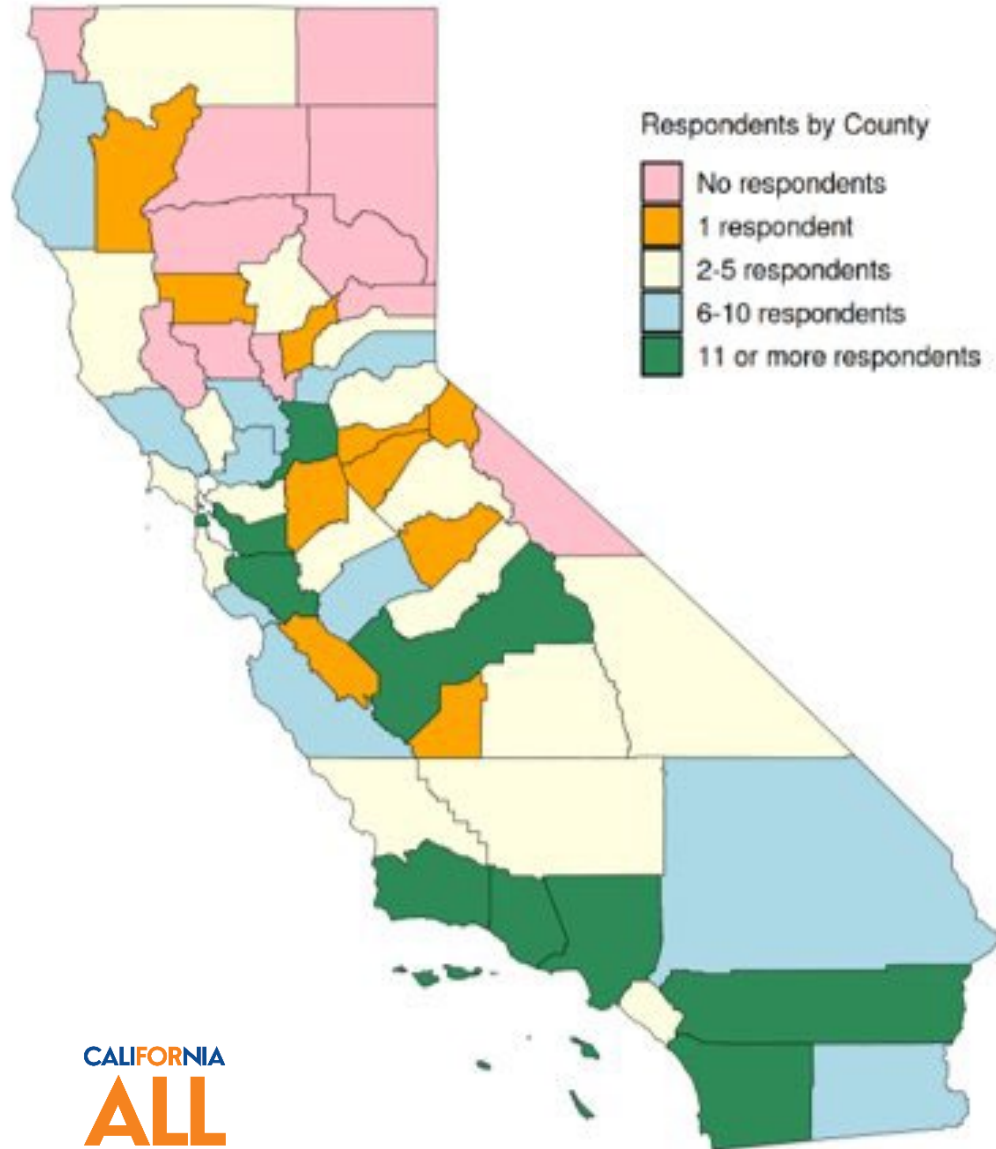
# SURVEY RESPONSES AS OF 07/19



Population	#	%
Aging Individual (Age 60+)	20,208	50
Ethnic or Minority Communities	16,806	42
Households at or below 150% of the Federal Poverty Level	10,822	27
Rural Communities	10,282	26
Individuals with Disabilities	7,763	19
Veterans	4,175	10
Immigrant Living in California	3,525	9
Individuals with Language Barriers (Limited English Proficiency individuals, etc.)	3,370	8
Unhoused or Experiencing Homelessness	1,011	3
Tribe or Tribal Community	523	1
None	2,647	7
Unanswered	1,906	5

Language of Submission		#	%	Language of Submission		#	%
English	36,448	91	Korean	57	0.1		
Spanish	2,179	5	Persian	56	0.1		
Simplified Chinese	676	2	Russian	55	0.1		
Traditional Chinese	299	1	Tagalog	50	0.1		
Arabic	113	0.3	Khmer	11	0.03		
Vietnamese	91	0.2	Punjabi	11	0.03		
Japanese	37	0.1	Armenian	1	<0.01		

# DIGITAL ECOSYSTEM MAPPING TOOL Update



	DEEM	DEEM ISP
Total Reach	1,270	106
Total Responses	423	34
Completed Responses	280	25

# NEXT STEPS

## Statewide Planning Group Meetings

- July 26, 2023
- October 25, 2023

## Outcome Area Working Group Meeting

- Tribal Collaboration: July 28

## Draft SDEP & Public Comment Period

- Late Summer/ Early Fall

## Final SDEP to NTIA

- Q4 2023

## AB 2750

- January 1<sup>st</sup>, 2024

## Capacity Grant

- NOFO Q1 2024



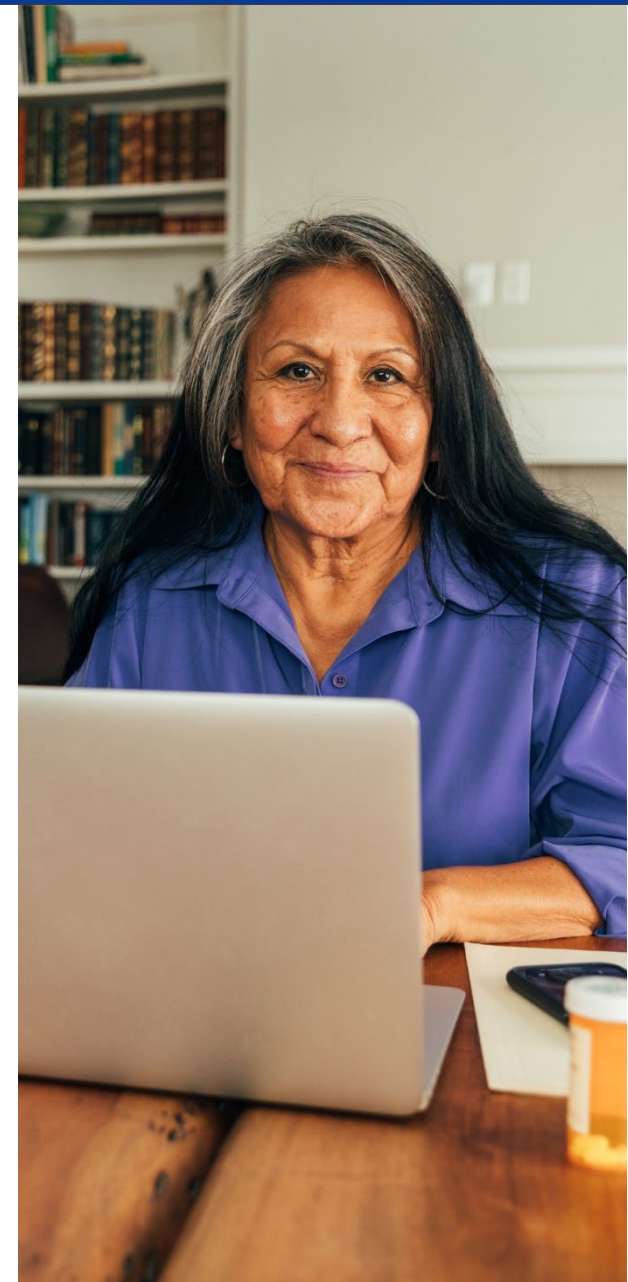
Register at  
[bit.ly/CADigitalEquityPlanEvents](https://bit.ly/CADigitalEquityPlanEvents)

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Broadband for All

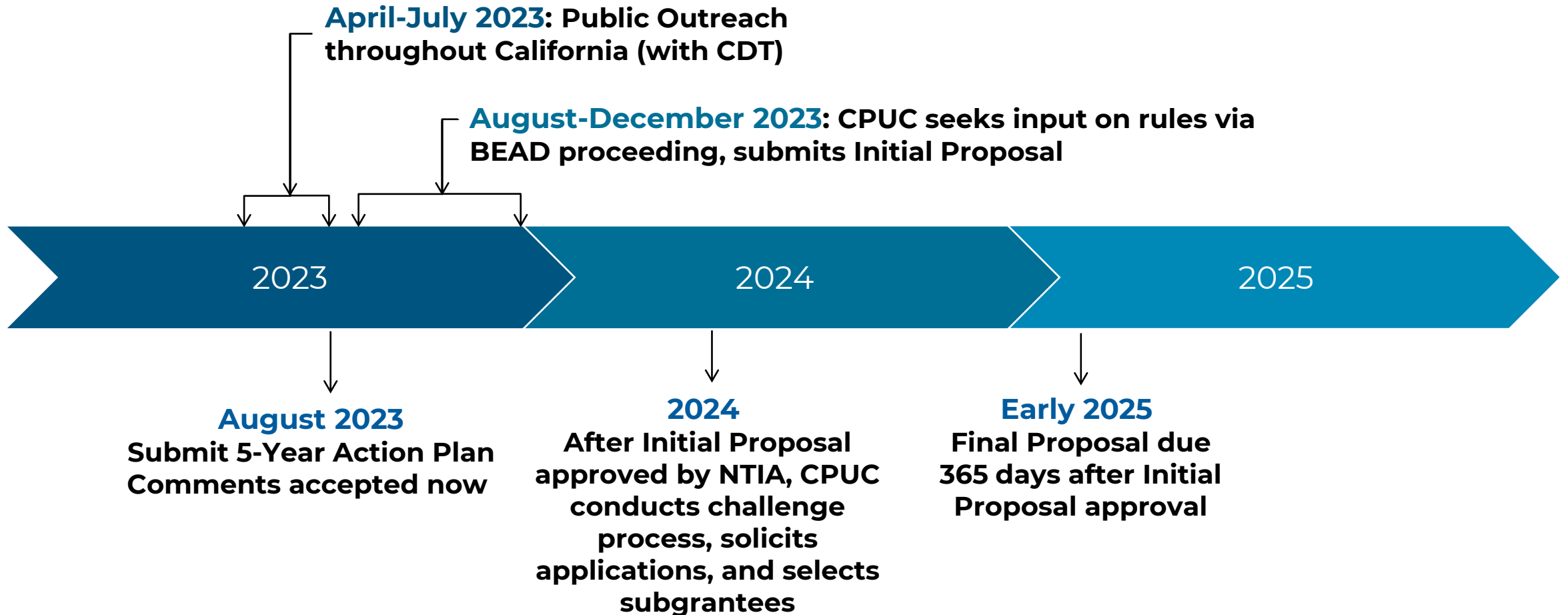
In June 2023, \$1.86 billion was allocated to California to deliver reliable broadband to unserved communities

- **\$1.86 billion allocated by NTIA for last mile broadband deployment**
- **CPUC will**
  - **Establish program rules in an Initial Proposal pursuant to federal requirements and NTIA approval**
  - **Conduct a challenge process for eligibility map**
  - **Run a grant application process and propose subgrantees**
  - **Submit Final Proposal**
- **Primary goal: deploy “reliable” last-mile service to all unserved locations**
  - **Less than 25/3 speed**
  - **Via “reliable” technology**





# BROADBAND EQUITY, ACCESS, AND DEPLOYMENT (BEAD) Update



# Public Comment



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**THANK YOU!**



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