



**BROADBAND  
FOR ALL**

# Broadband for All, Digital Equity, and BEAD

## Virtual Tribal Consultation

July 12, 2023



# Welcome

**Kenneth Holbrook**

**Tribal Advisor**

**California Public Utilities Commission**



**BROADBAND  
FOR ALL**

# Purpose

- To inform and engage California Tribes on the State's Broadband for All investments.
- Receive input and feedback from Tribal Governments, and their delegates, on development of California's Broadband, Equity, Access, and Deployment (BEAD) Program and Digital Equity Plan.
- Provide updates on Middle-Mile and Last-Mile programs and timelines.

# Housekeeping

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

**Chat** We invite everyone to introduce themselves in the chat! Share your name, pronouns, organization/title, and where you are joining us from.

**Reactions** Raise Hand feature





# AGENDA

- Welcome
- Broadband for All Initiative and Overview of Existing Investment
- Review of Tribal Feedback Received to Date
- Feedback and Guidance to State and Federal Partners
- Next Steps and Decision Points
- Close Out and Thank You

# Ranking State and Federal Officials

**Rachel Peterson**

California Public Utilities Commission

**Scott Adams**

California Department of Technology

**Division Chief Adam Geisler**

National Telecommunication and Information Administration



# Broadband for All: Overview of Existing Investments and Efforts

## Scott Adams

Deputy Director, Office of Broadband and Digital Literacy  
California Department of Technology

## Maria Ellis

Deputy Director for Broadband  
California Public Utilities Commission

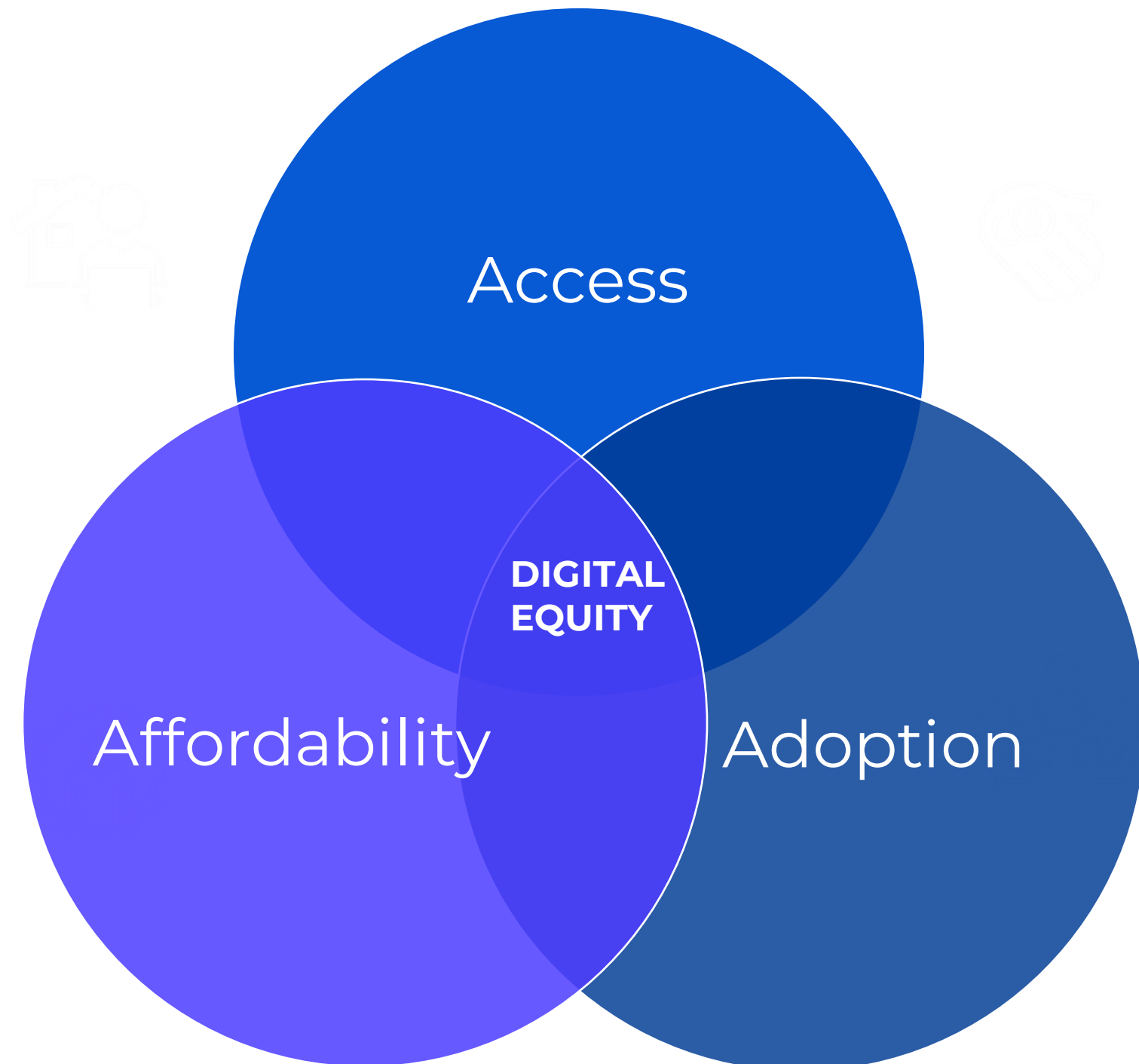


**BROADBAND  
FOR ALL**

**“Californians’ ability to access and use broadband is the difference between being able to fully engage in life and being cut off.”**







Access

Affordability

Adoption

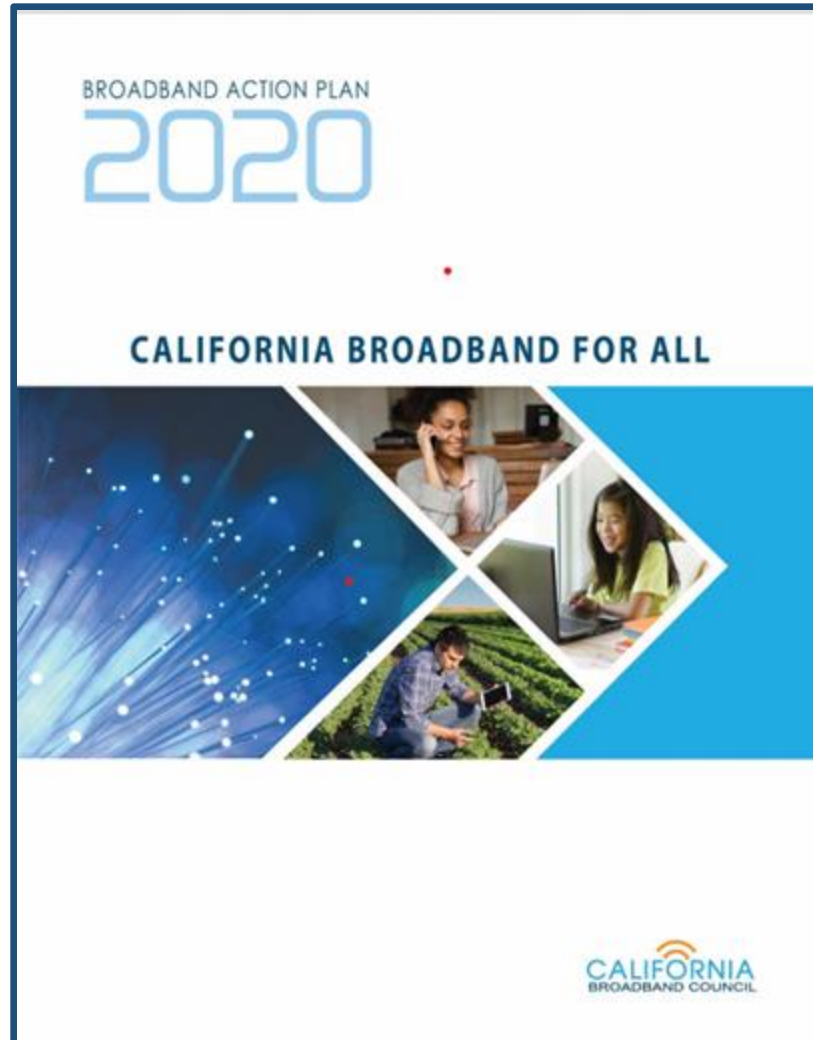
**DIGITAL  
EQUITY**

MULTI-AGENCY COLLABORATION

# California Broadband Council



# BROADBAND FOR ALL **Action Plan**



## Required by Executive Order N-73-20

### Multi-Agency Effort

**Goal 1:** All Californians have high-performance broadband available at home, schools, libraries, and businesses.

**Goal 2:** All Californians have access to affordable broadband and necessary devices.

**Goal 3:** All Californians can access training and support to enable digital inclusion.

# Senate Bill 156

- **\$6 billion** investment over three years to:
  - Expand broadband infrastructure
  - Increase affordability
  - Enhance access to broadband for all Californians
- **\$3.25 billion** to develop, acquire, construct, maintain and operate a statewide “open-access middle-mile” network (CDT)
- **\$2.75 billion** for last-mile infrastructure grant programs (CPUC)



BROADBAND FOR ALL

# Middle-Mile Broadband Network



- **10,000-mile statewide network on state highways**
  - Broke ground October 2022
  - Contracted by Dec 2024
  - Constructed by Dec 2026

[Statewide Construction Evaluation Map of 10,000 miles of proposed build](#)

# Last-Mile Broadband Programs

## California Advanced Services Fund

**Up to \$73 million+ annually**

Several of programs to fund broadband infrastructure, adoption, and digital literacy, as well Tribal technical assistance.

## Federal Funding Account

**\$2 billion**

Grants for last-mile broadband deployment that focuses on fiber and cable technology. These funds must be encumbered by the 2025 federal deadline and spent before 2027.

## Loan Loss Reserve Fund

**\$750 million**

Offers credit enhancement, or a type of insurance, that helps lenders control for the risk that loans will not be repaid. For development of public networks.

## Local Agency Technical Assistance

**\$50 million (subscribed)**

For public entity or consultant costs to create Joint Powers Authorities, and for other costs to prepare to deploy broadband infrastructure, including for environmental permitting, engineering, etc.

## BEAD

**\$1.86 billion**

Grants for broadband deployment, adoption support programs, and digital literacy. Prioritizes fiber and cable technology.

# Broadband Adoption

## Broadband adoption is daily access to the Internet:

- At speeds, quality and capacity necessary to accomplish common tasks,
- With the digital skills necessary to participate online, and
- On a personal device and secure, convenient network.

*Definitions - National Digital Inclusion Alliance*



BROADBAND FOR ALL

# Affordable Connectivity Program

**The Federal Communication Commission's Affordable Connectivity Program** is a \$14.2 billion benefit program to lower the cost of home internet service for residents.

**\$75 per month**

for households on  
qualifying Tribal lands.

**\$30 per month**

toward internet service for  
eligible households

**One-time discount  
of up to \$100**

to purchase a laptop,  
desktop computer, or  
tablet from participating  
providers



California leads the nation in Affordable Connectivity

Program enrollment with

**2,274,271**

in statewide enrollment as of July 10, 2023

**39% of ACP-Eligible Households**

*USAC ACP Enrollment and Claims Tracker*

# Infrastructure Investment and Jobs Act (IIJA)

The IIJA invests roughly \$65 billion to support broadband deployment and adoption and promote digital equity in states.

**Broadband Equity, Access,  
and Deployment (BEAD)**

**\$42.45B**

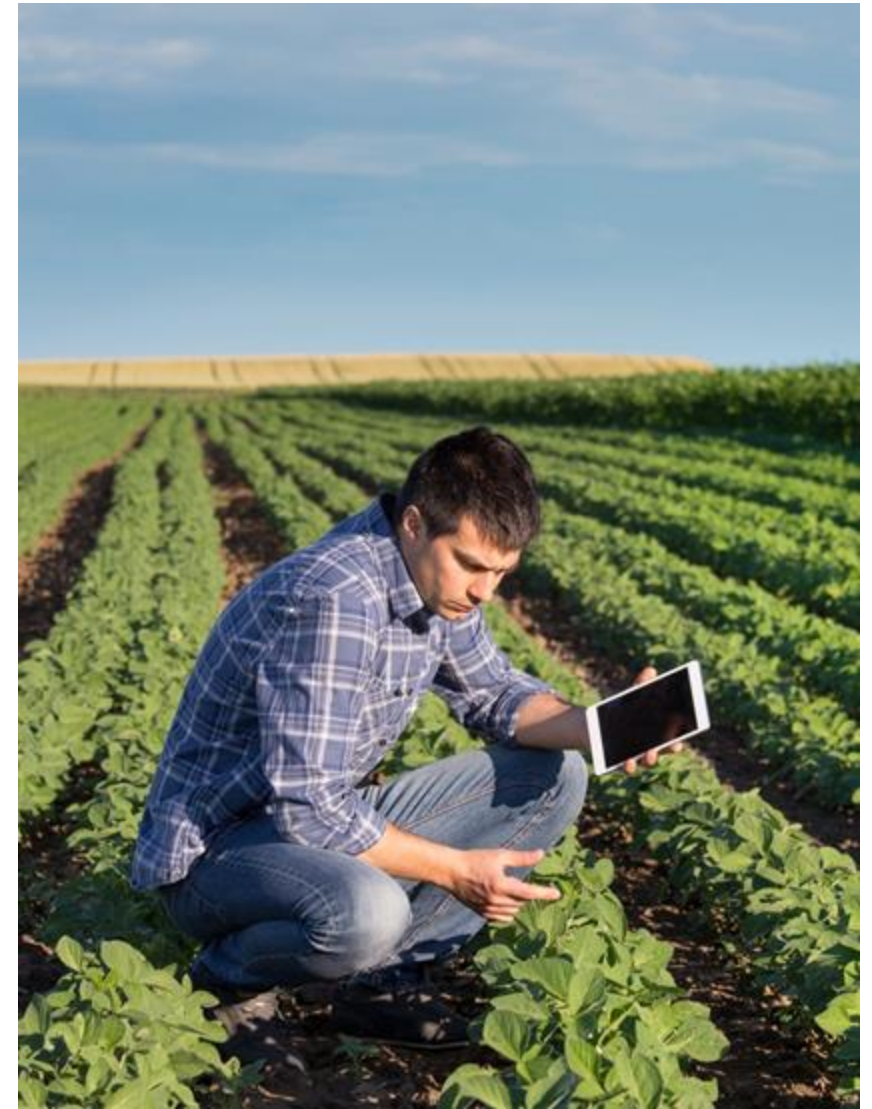
**Digital Equity Planning,  
Capacity, and Competitive  
Grants**

**\$2.75B**

## BACKGROUND

# SDEP and BEAD Plan Coordination

- CDT administering entity for Digital Equity Planning program
- CPUC administering entity for Broadband Equity, Access and Deployment program
- Planning processes are coordinated
- Extensive statewide and local engagement and input
- When completed, both plans will be integrated and unlock hundreds of millions of additional dollars to achieve Broadband for All





# 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 a  
racial or ethnic  
minority group**

**8**

**Individuals  
who primarily  
reside in  
a rural area**

**9**

**Women and  
those who  
identify as  
female**

**10**

**LGBTQI+**

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



## SDEP PLANNING APPROACH **PLANNING COMPONENTS**

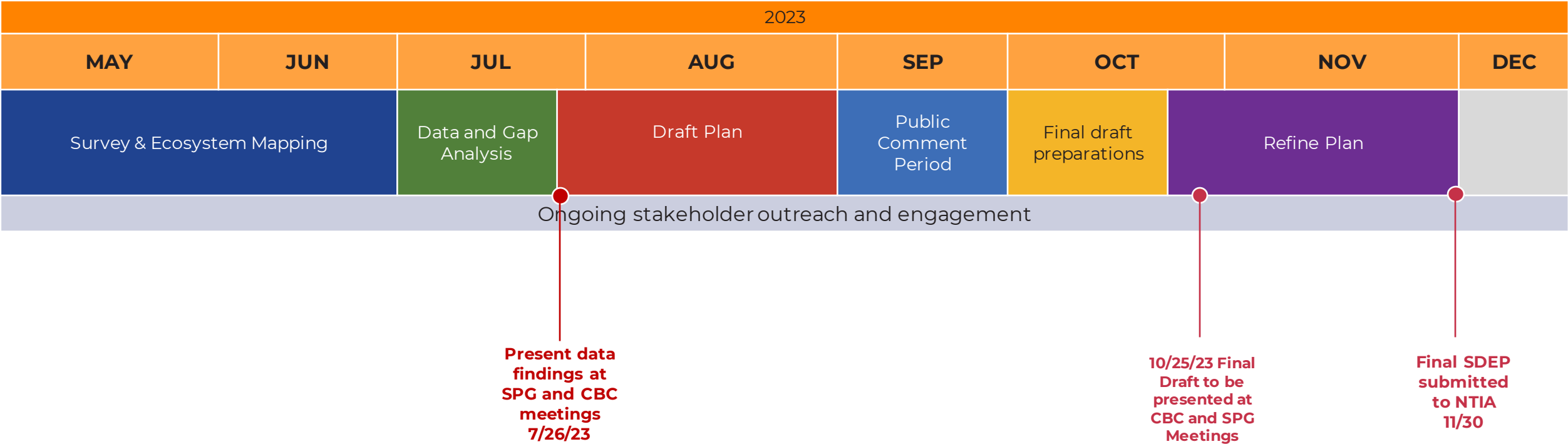
**The planning process consists of five components:**

- Statewide Planning Group
- Outcome Area Working Groups
- California Digital Equity Survey(s)
- Regional Planning Workshops
- Statewide Public Engagement

# SDEP Timeline

## California State Digital Equity Planning (SDEP) Timeline

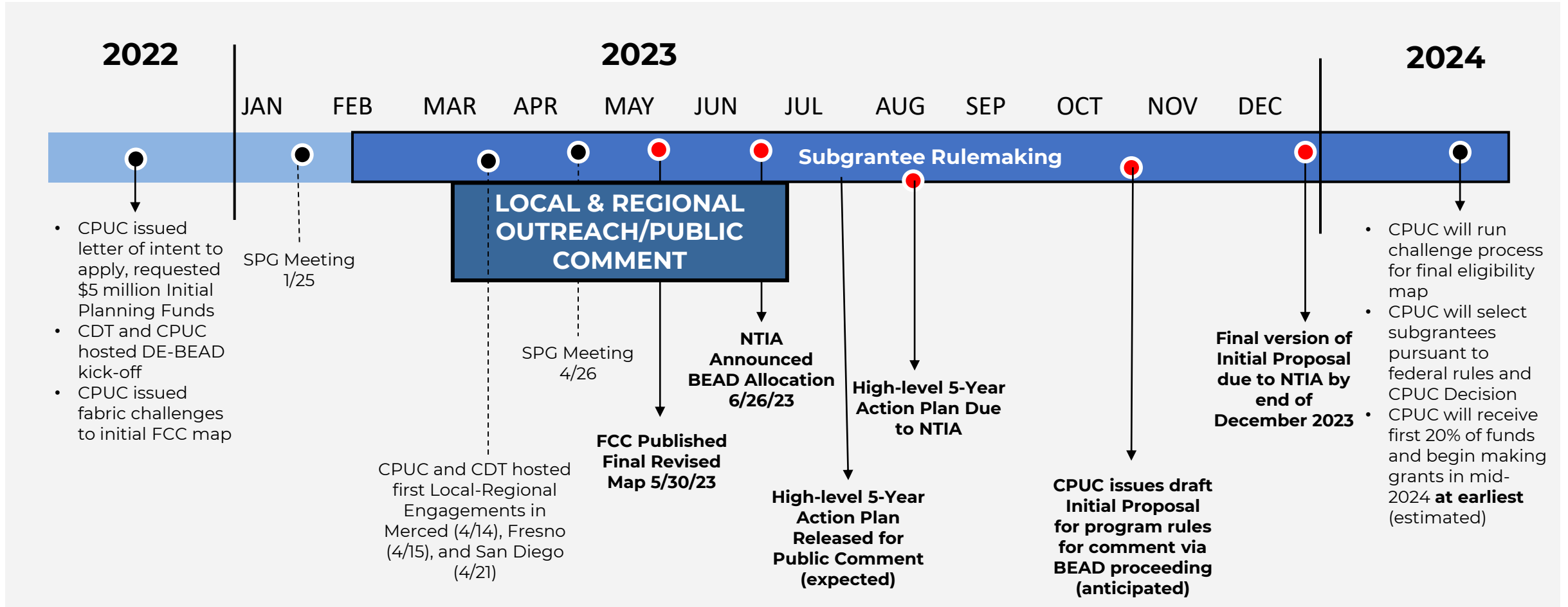
Important milestones for State Digital Equity Planning:



# BEAD Preliminary Timeline: CPUC

## California Broadband Equity, Access, and Deployment (BEAD) Timeline

Key milestones:



# **Review of Tribal Feedback Received to Date**

**Kenneth Holbrook**

**Tribal Advisor**

**California Public Utilities Commission**



**BROADBAND  
FOR ALL**



# What we've learned: Barriers

1. Infrastructure and supporting infrastructure (e.g., roads and power) and lack of service availability
2. Vulnerability to disasters
3. Lack of affordability of service and devices
4. Tribal benefits don't extend to off-reservation members
5. Digital literacy includes overcoming fear
6. Trust and persistent poverty remain barriers to digital equity
7. Staffing and broadband subject matter expertise capacity is limited and varied by Tribes

\*\*\*All lead to disparate outcomes in education, health, and workforce and economic development



# Recommended Strategies

1. Expedite infrastructure deployment, affordability and adoption efforts
2. Pair broadband deployment with other infrastructure efforts (roads and power) and build in resilience
3. Utilize Tribal cultural monitors to advise in broadband infrastructure projects
4. Partnerships are vital to achieving digital equity and should be incentivized
5. Partnerships must include comprehensive engagement
6. Tribal and digital sovereignty should be promoted in state programs
7. Initiatives should couple broadband access with business development and other outcomes related to health and education
8. Data can play an important role in identifying and understanding how residents are currently accessing services
9. Ongoing assistance and support are needed to take advantage of multiple federal and state programs

# Feedback and Guidance to State Partners

**Kenneth Holbrook**

**Tribal Advisor**

**California Public Utilities Commission**



**BROADBAND  
FOR ALL**

# Discussion & Feedback

- What are the strengths and weaknesses in the programming now available?
- What outcomes do Tribal Governments want see as it relates to the development of the BEAD and Digital Equity programs and what recommendations would you provide to achieve them?
- What opportunities do Tribal Government see for the State, BEAD and Digital Equity to support advancing broadband deployment, adoption, and workforce initiatives?



# Next Steps and Decision Points

## Scott Adams

Deputy Director, Office of Broadband and Digital Literacy  
California Department of Technology

## Maria Ellis

Deputy Director for Broadband  
California Public Utilities Commission

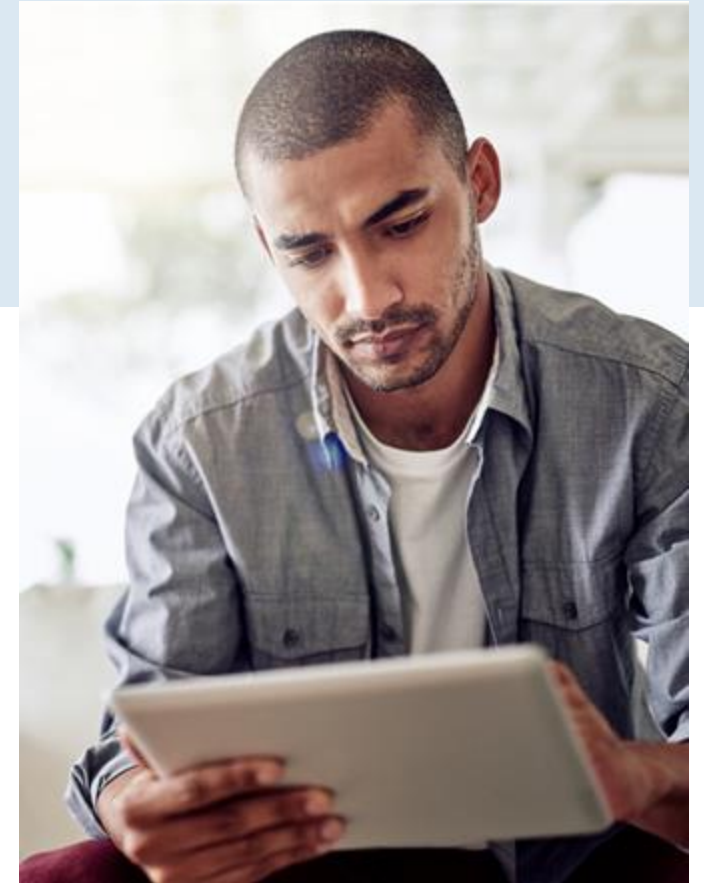


**BROADBAND  
FOR ALL**

# Digital Equity Public Survey

The State has disseminated a statewide **Digital Equity Public Survey in 14 languages** to residents of California to identify barriers to digital equity, especially for Covered Populations.

The survey captures information about internet access, internet affordability, and internet adoption for residents in California households.



Scan the QR code using your mobile device or visit us at [bit.ly/CASurveyTribes](https://bit.ly/CASurveyTribes)

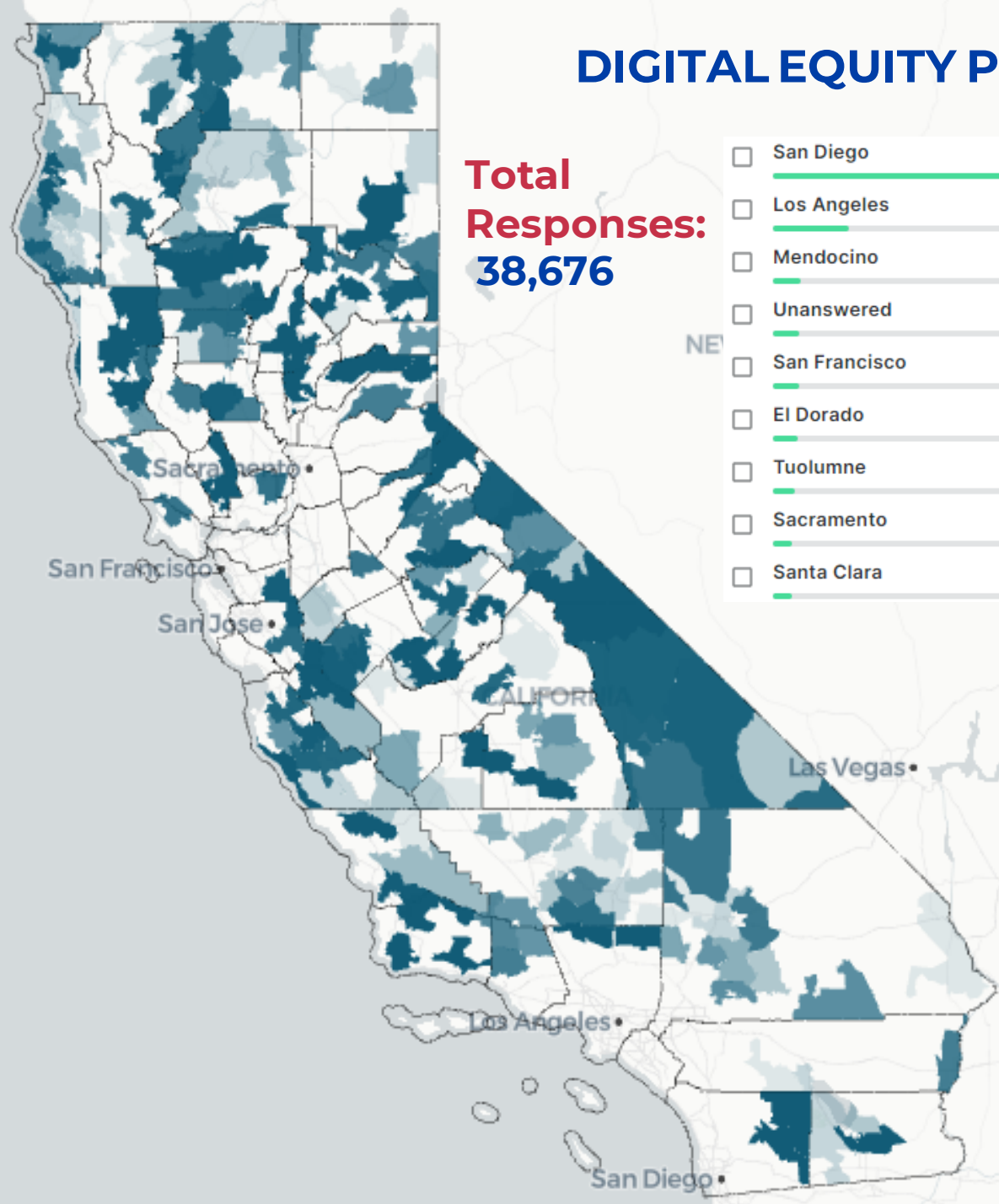


Broadband for All



# DIGITAL EQUITY PUBLIC SURVEY | RESPONSES BY COUNTY

**Total Responses:**  
**38,676**



<input type="checkbox"/> San Diego	12160	<input type="checkbox"/> Nevada	735	<input type="checkbox"/> Calaveras	514	<input type="checkbox"/> Sutter	352
<input type="checkbox"/> Los Angeles	3218	<input type="checkbox"/> Orange	689	<input type="checkbox"/> Santa Cruz	506	<input type="checkbox"/> Yuba	345
<input type="checkbox"/> Mendocino	1147	<input type="checkbox"/> Riverside	662	<input type="checkbox"/> Butte	497	<input type="checkbox"/> San Benito	314
<input type="checkbox"/> Unanswered	1105	<input type="checkbox"/> Santa Barbara	658	<input type="checkbox"/> Merced	477	<input type="checkbox"/> San Mateo	312
<input type="checkbox"/> San Francisco	1092	<input type="checkbox"/> Alameda	614	<input type="checkbox"/> Contra Costa	475	<input type="checkbox"/> Solano	309
<input type="checkbox"/> El Dorado	1030	<input type="checkbox"/> Monterey	557	<input type="checkbox"/> Placer	459	<input type="checkbox"/> Ventura	306
<input type="checkbox"/> Tuolumne	928	<input type="checkbox"/> Madera	555	<input type="checkbox"/> Fresno	454	<input type="checkbox"/> Kings	290
<input type="checkbox"/> Sacramento	820	<input type="checkbox"/> San Bernardino	552	<input type="checkbox"/> Sonoma	411	<input type="checkbox"/> Imperial	286
<input type="checkbox"/> Santa Clara	805	<input type="checkbox"/> Humboldt	548	<input type="checkbox"/> Mono	393	<input type="checkbox"/> Tulare	280
<input type="checkbox"/> San Luis Obispo	278	<input type="checkbox"/> Shasta	206	<input type="checkbox"/> Lassen	108		
<input type="checkbox"/> Lake	273	<input type="checkbox"/> Sierra	184	<input type="checkbox"/> Tehama	76		
<input type="checkbox"/> Trinity	265	<input type="checkbox"/> Kern	180	<input type="checkbox"/> Mariposa	43		
<input type="checkbox"/> San Joaquin	237	<input type="checkbox"/> Marin	148	<input type="checkbox"/> Glenn	33		
<input type="checkbox"/> Yolo	233	<input type="checkbox"/> Inyo	145	<input type="checkbox"/> Modoc	11		
<input type="checkbox"/> Siskiyou	233	<input type="checkbox"/> Stanislaus	140				
<input type="checkbox"/> Plumas	222	<input type="checkbox"/> Amador	132				
<input type="checkbox"/> Del Norte	214	<input type="checkbox"/> Alpine	130				
<input type="checkbox"/> Napa	207	<input type="checkbox"/> Colusa	123				

HOW TO TAKE ACTION

# Digital Equity Ecosystem Mapping (DEEM) Tool

The Digital Equity Ecosystem Mapping (DEEM) tool tracks **Digital Equity** programs, plans, services, and resources throughout California. The mapping tool identifies:

- What programs are being offered, where they're being offered and to whom, and what is missing in each region
- Barriers to achieving digital equity in California



Scan the QR code using your mobile device or visit us at [bit.ly/DEEMToolforTribes](https://bit.ly/DEEMToolforTribes)



Broadband for All





# Learn More or Request a Consultation

- **We welcome the opportunity to consult with California Tribes anytime.**
  - To request a Tribal consultations, please contact Tribal Advisor Kenneth Holbrook at [Kenneth.Holbrook@cpuc.ca.gov](mailto:Kenneth.Holbrook@cpuc.ca.gov).
- **Follow CPUC Rulemaking for BEAD (R.) 23-02-016.**
- **BEAD 5-Year Action Plan: Published for public comment July 17.**
  - Comments will become part of the proceeding record for development of the Initial Plan.
- **Missed the June 28 webinar on Funding Opportunities for Broadband Projects?**
  - Check out the recording here: <https://youtu.be/mYSGZQKo5-Y>

# Digital Equity Plan Public Comment Period

The CDT invites you to follow and participate in the public comment process

- A 30-day public comment process will be held in September





## **Tribal Collaboration Outcome Area Working Group Meeting (Virtual)**

**Friday – July 28, 2023 | 10:00 - 11:30 am**

## **Statewide Digital Planning Group Meeting (Virtual)**

**Wednesday – July 26, 2023 | 12:00 – 2:00 pm**

**Wednesday – October 25, 2023 | 12:00 – 2:00 pm**

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

CALIFORNIA  
**ALL**

Broadband for All

**THANK YOU!**



**BROADBAND  
FOR ALL**