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BROADBAND
FOR ALL

California Transportation Commission

Broadband for All, MMBI, and Digital Equity Update

CDT/OBDL

August 17, 2023

BROADBAND FOR ALL UPDATES

- Broadband for All Action Plan

- Middle-Mile Broadband Initiative

- Affordable Connectivity Program

- State Digital Equity Plan

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

Project Recap Updated MMBI Project Assumptions

Broadband Needs
- Public input and analysis for ideal resilient network
- Yielded **10,000-mile map**, **26% longer** than originally estimated
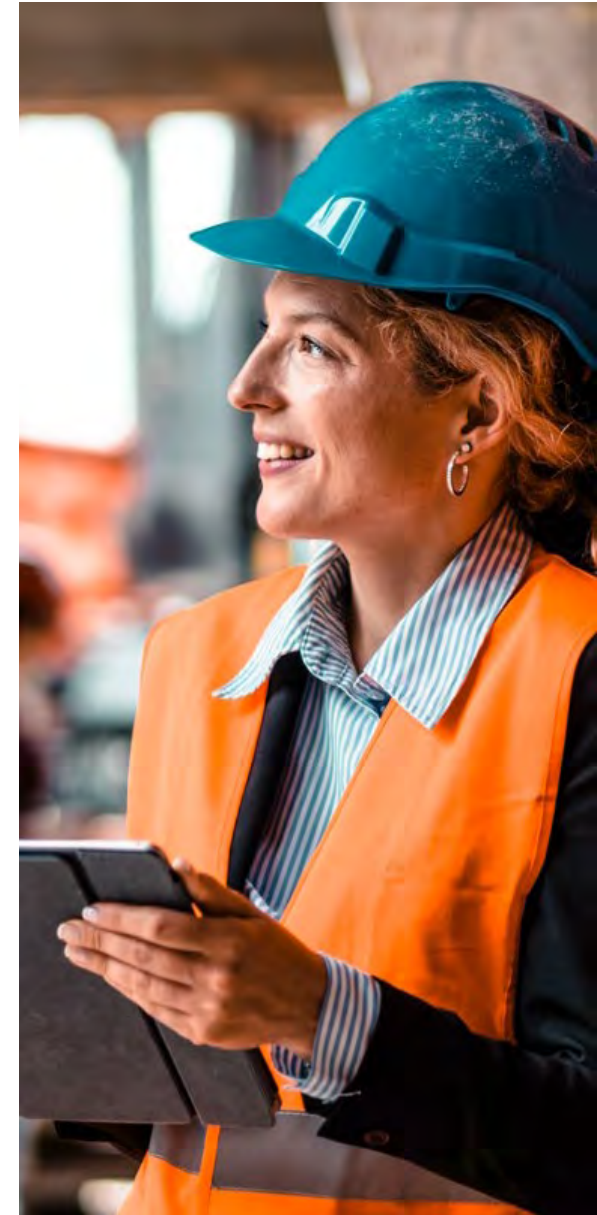
Broadband Model
- Inflation-driven bid costs for standalone Caltrans contractor construction more than **40% higher**

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

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.

STATEWIDE ACP MOBILIZATION UPDATE

- California Broadband Council goals of connecting 90% eligible households by end of 2024

- *Get Connected! California* Mobilization

- **2,337,591** enrolled households as of 7/31/2023

- 15 CA entities received $6 million in ACP outreach grants

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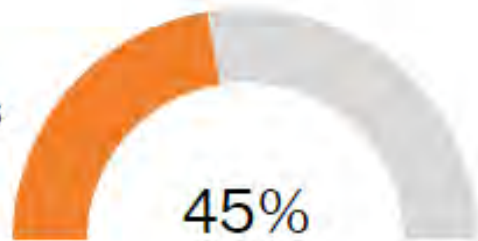## Households eligible and enrolled households

Last updated Jun 2023

ACP eligible households in California

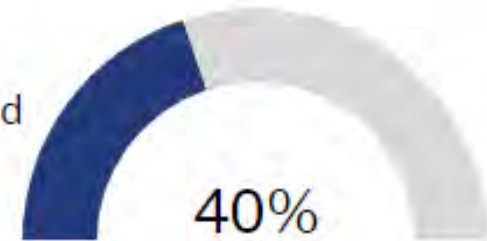**5,844,797** eligible households out of **13,044,258** households

45%

Eligible California households enrolled in ACP

2,337,591 households enrolled out of **5,844,797** households

40%

Updated weekly on Monday evenings

AFFORDABLE CONNECTIVITY PROGRAM – 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

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NTIA IIJA Programs Update

Digital Equity and BEAD Planning Coordination

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
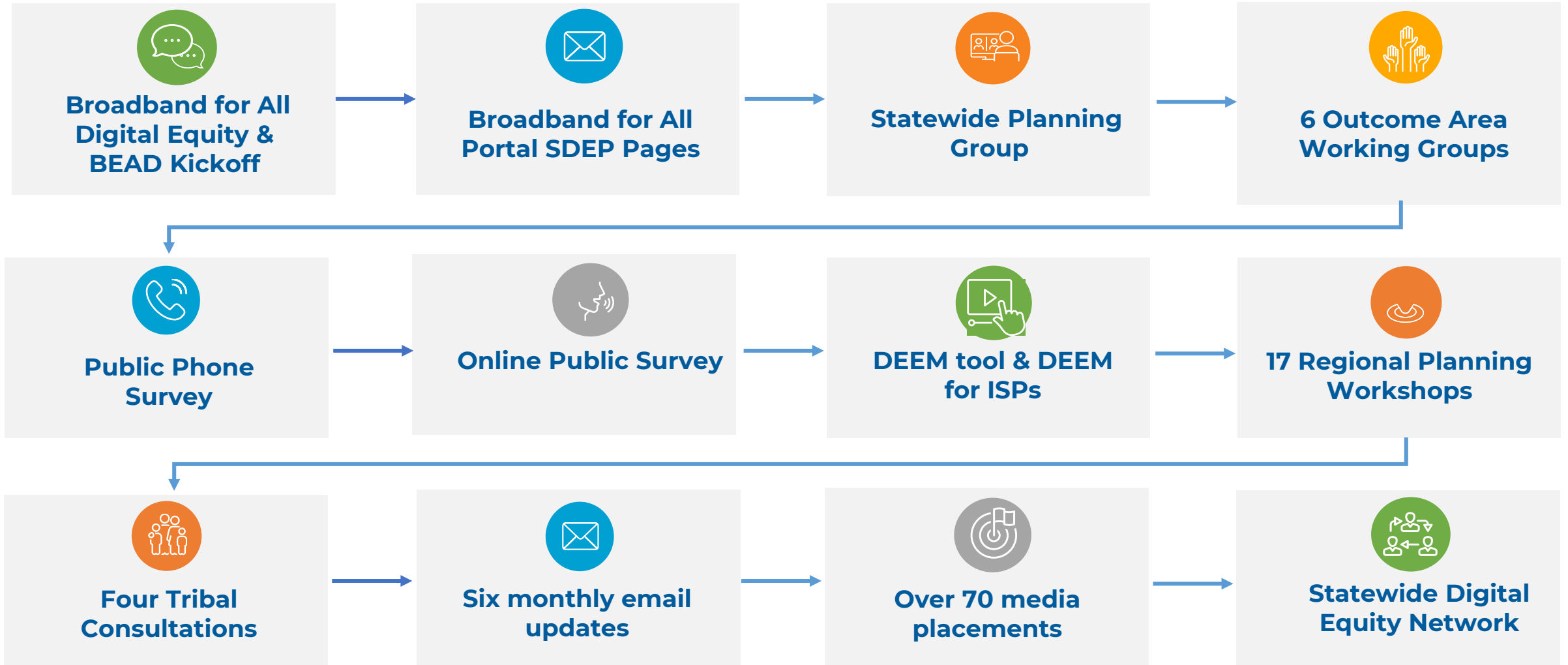
Planning and Implementation

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

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

457

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+

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

San Joaquin Valley North

San Joaquin Valley South

Southern Border

Northeastern Upstate

Redwood Coast

Silicon Valley

Connected Capital Region

Central Sierra

North Bay North Coast

Inland Empire

Los Angeles Region (LA)

Los Angeles Region (LB)

Orange County

Central-Eastern Sierra

Pacific Coast

Central Coast

Bay Area

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
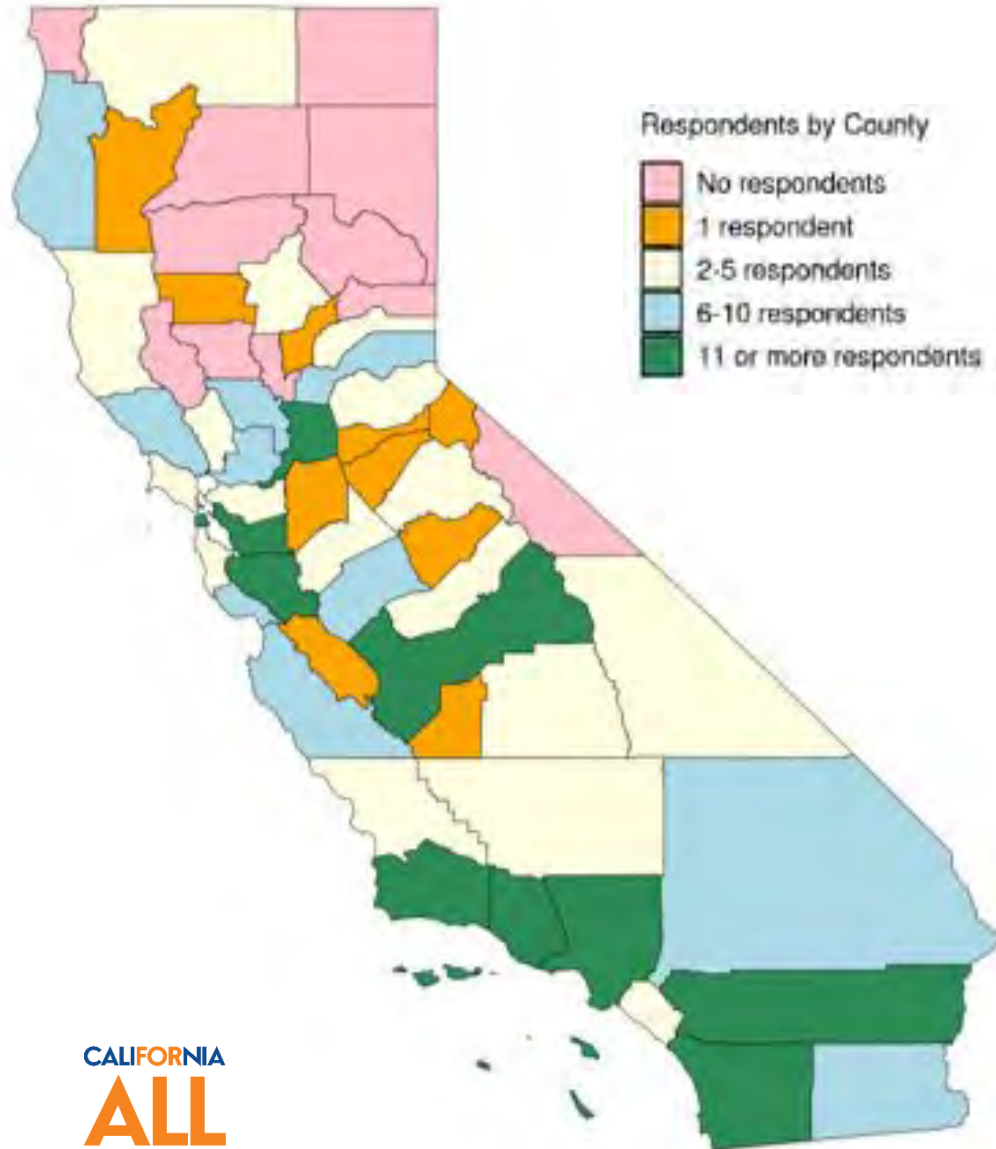- Higher Percentages of Covered Populations Want Digital Literacy Training

Survey responses: 40,084

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

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DIGITAL ECOSYSTEM MAPPING TOOL Update

Respondents by County

- No respondents
- 1 respondent
- 2-5 respondents
- 6-10 respondents
- 11 or more respondents

	DEEM	DEEM ISP
Total Reach	1,276	109
Total Responses	422	35
Completed Responses	280	26

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NEXT STEPS

Statewide Planning Group Meetings

- October 25, 2023

Draft SDEP & Public Comment Period

- Late Summer/ Early Fall

Final SDEP to NTIA

- Q4 2023

AB 2750

- January 1, 2024

Capacity Grant

- NOFO Q1 2024

Register at
bit.ly/CADigitalEquityPlanEvents

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