



**BROADBAND  
FOR ALL**

**Broadband for All Summit:**

**Digital Equity and  
BEAD Kickoff**

**OCTOBER 24, 2022**





# AGENDA

- Welcome
- Opening Panel: How Are Broadband and Equity Connected?
- About Broadband for All
  - Action Plan
  - Middle-Mile Broadband Initiative
  - Last-Mile Programs
  - Broadband Adoption
- Digital Equity and BEAD Planning Kickoff
- Breakout Sessions

# PANEL: HOW ARE BROADBAND AND EQUITY CONNECTED?



**Liana Bailey-Crimmins**  
**Director**  
**Department of Technology**



**Amy Tong**  
**Secretary**  
**Government Operations Agency**



**Christina Snider**  
**Tribal Affairs Secretary**  
**Office of California Governor Gavin Newsom**



**Alice Reynolds**  
**President**  
**California Public Utilities Commission**



**Pam Chueh**  
**Chief Equity Officer**  
**Government Operations Agency**



**Mary Nicely**  
**Chief Deputy Superintendent**  
**California Department of Education**



**Angela Thi Bennett**  
**Digital Equity Director**  
**National Telecommunications &  
Information Administration**

# BREAK

PLEASE RETURN AT 10:00 AM



**BROADBAND  
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# BROADBAND FOR ALL UPDATE



BROADBAND  
FOR ALL

# **Scott Adams**

**Deputy Director**

**Broadband & Digital Literacy**

**California Department of Technology**

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

# **COVID / Digital Divide**

- **83% of Californians have access to broadband**
- **Only 52% of Californians have modern speeds of 100 Mbps**
- **51% rural households have no network offering 100 Mbps**
- **28% tribal lands lack service at this level**
- **Millions lack service, devices, and skills necessary to access essential services and realize other social and economic benefits**



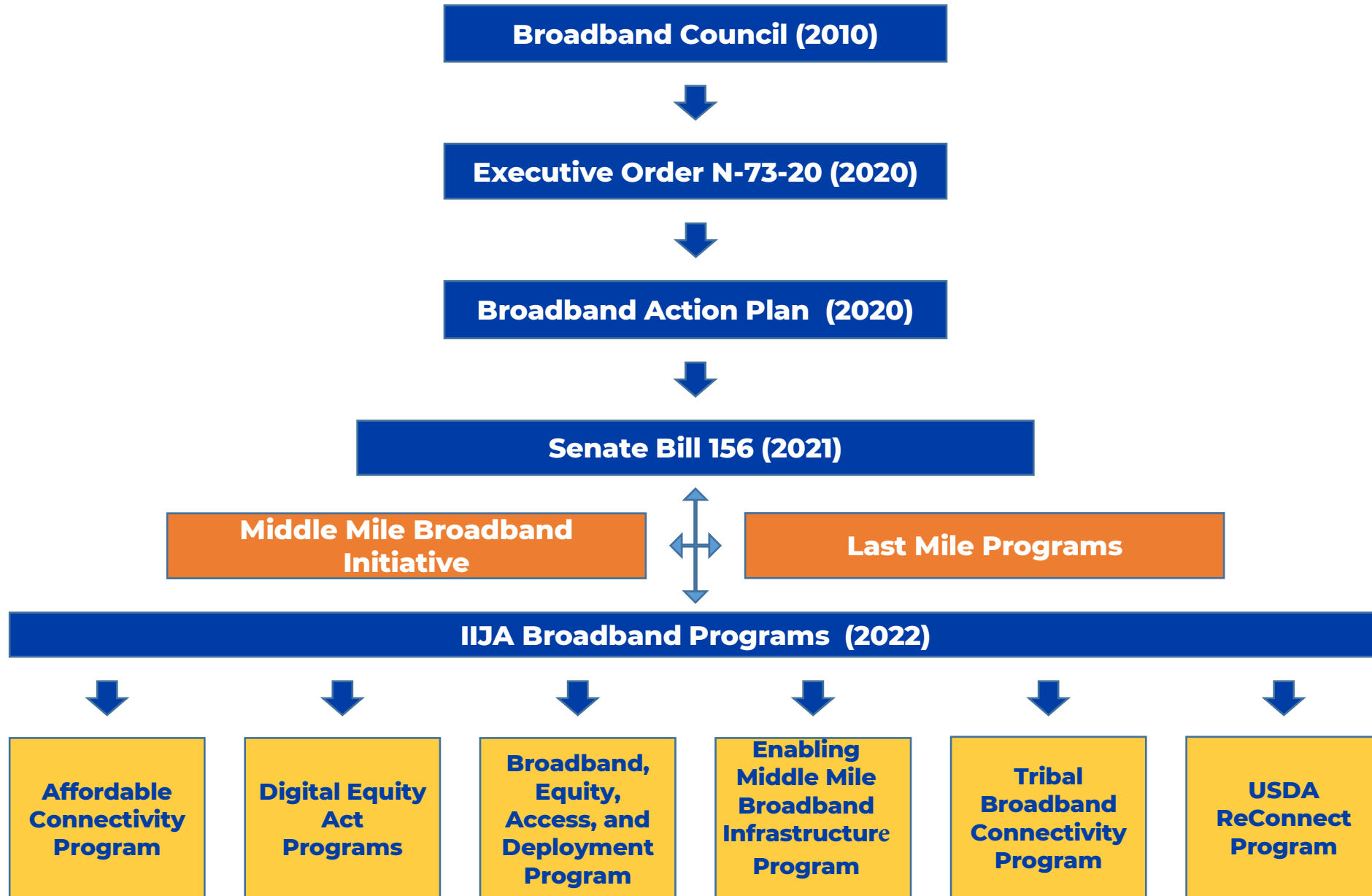
ACCESS

AFFORDABILITY

ADOPTION

DIGITAL LITERACY & INCLUSION

# BROADBAND FOR ALL

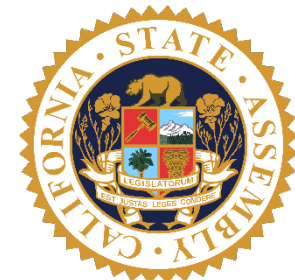




- **Policy**
- **Coordination**
- **IT Oversight**
- **Information security**
- **Technology service delivery**
- **Advocacy**

- **Statewide ecosystem dedicated to closing the digital divide**
- **California Broadband Council**
- **Broadband Executive Order / Broadband For All Action Plan**
- **Statewide Open-Access Middle-Mile Network**
- **State Digital Equity Plan**

## Multi-agency collaboration



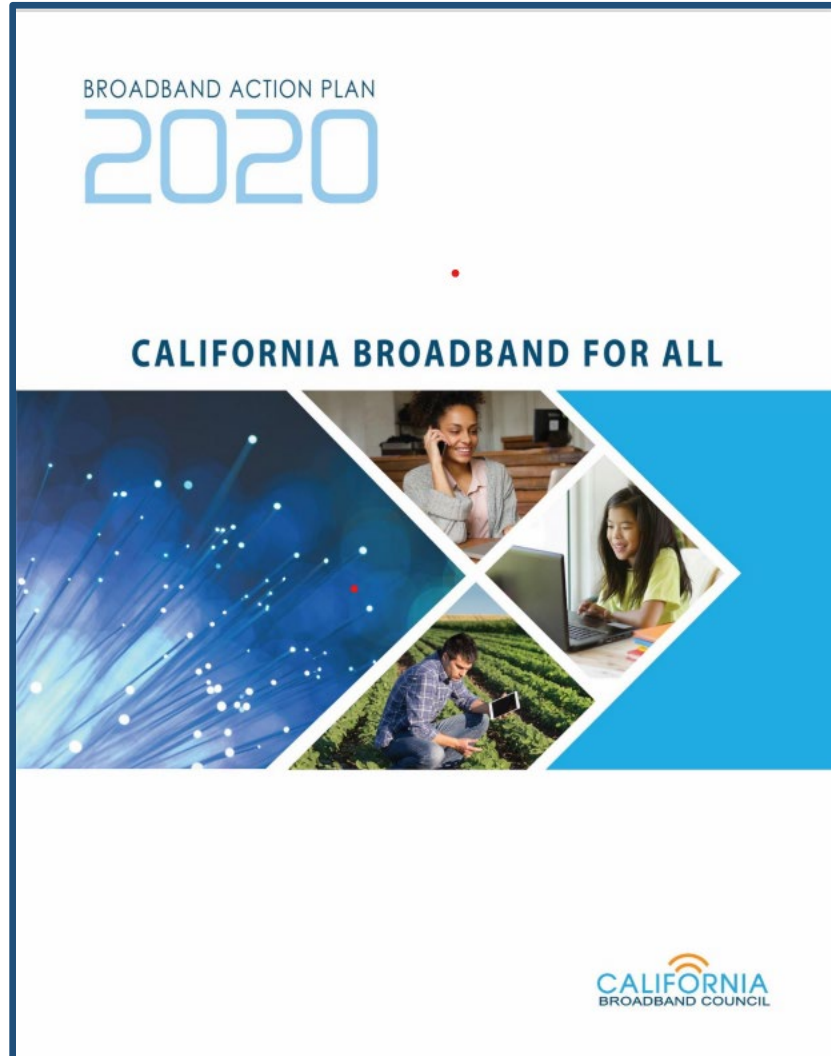
## Required the development of a California State Broadband Action Plan.



Specific direction on 15 items:

- **Data and Mapping**
- **Funding**
- **Deployment**
- **Adoption**

# BROADBAND ACTION PLAN



**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.**

## Progress and Highlights

**Action Item #5** – broadband projects permitting process and accommodations policy

**Action Item #6** - Local Permitting Playbook & agreements and resources with state agencies

**Action Item #9** - Leveraged state contracting and procurement vehicles for MMBI

**Action Item #15** - Connections, Health, Aging and Technology (CHAT), Access to Technology (ATT), and Digital Connections (DC)

**Action Item #16** - ACP & low-cost offer finder, state agencies and ISP coordination

**Action Item #18** - Established 2000+ digital inclusion stakeholder network

**Action Item #21** - Broadband for All Portal

**Action Item #24** – survey of state entities to incorporate broadband into strategic plans



**Mark Monroe**

**Deputy Director**

**Middle-Mile Broadband Initiative (MMBI)**

**California Department of Technology**

- **\$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)**

# ROLES AND RESPONSIBILITIES



## California Department of Technology

- Program, fund management, and oversight
- Retain TPA
- Facilitate high speed broadband access through last-mile connectivity



## Department of Finance

- Budget oversight
- Quarterly reporting to federal government



## Third Party Administrator

- Manages the development, acquisition, construction, maintenance and operation of the network



## California Public Utilities Commission

- Identified unserved & underserved areas
- Facilitated public comment
- Recommended network placement



## Caltrans

- Leverage existing transportation projects
- Oversee and management construction contracts the network

## **GUIDING PRINCIPLES**

- 1. Provide affordable, open-access, middle-mile broadband infrastructure to enable last-mile network connectivity throughout the state.**
- 2. Build the network expeditiously, leveraging existing infrastructure, networks, and construction projects, where feasible.**
- 3. Prioritize connectivity to unserved and underserved communities, including community institutions.**



# MIDDLE-MILE BROADBAND INITIATIVE PROGRESS

## This Year:

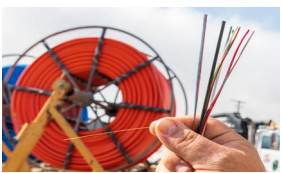
- **Developed 10,000-mile network map.**
- **GoldenStateNet developed Preliminary map of infrastructure for potential IRU/leases.**
- **Procurement contracts for fiber and related materials.**
- **Streamlined permitting processes with state agencies**
- **Progress on Initial 18 and “dig smart” projects**
- **Released bid solicitations for IRU/leases, joint-build/purchase opportunities, and colocation.**





# STATE ROUTE 67 FIBER PULL

## Middle-Mile Groundbreaking October 13, 2022 — Poway, CA





# MIDDLE-MILE BROADBAND INITIATIVE REVIEW

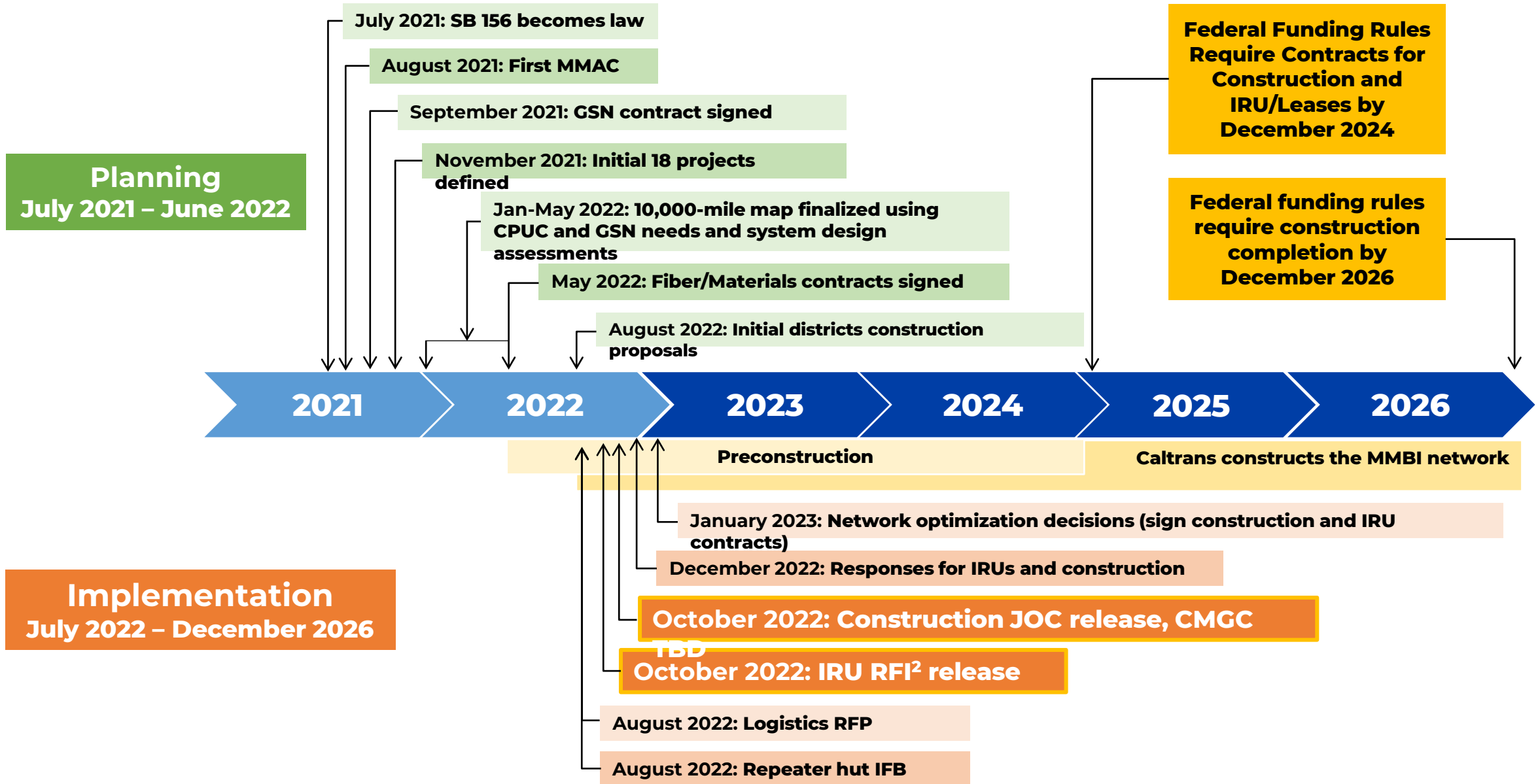


## Looking Ahead:

- **Agreement with federal land agencies to secure construction access**
- **Bid solicitations for construction contracts on 6,800 miles of network out by the end of October.**
- **Constructions bids due by December 2022**
- **Key decisions regarding network in January 2023.**



# MIDDLE-MILE BROADBAND INITIATIVE REVIEW

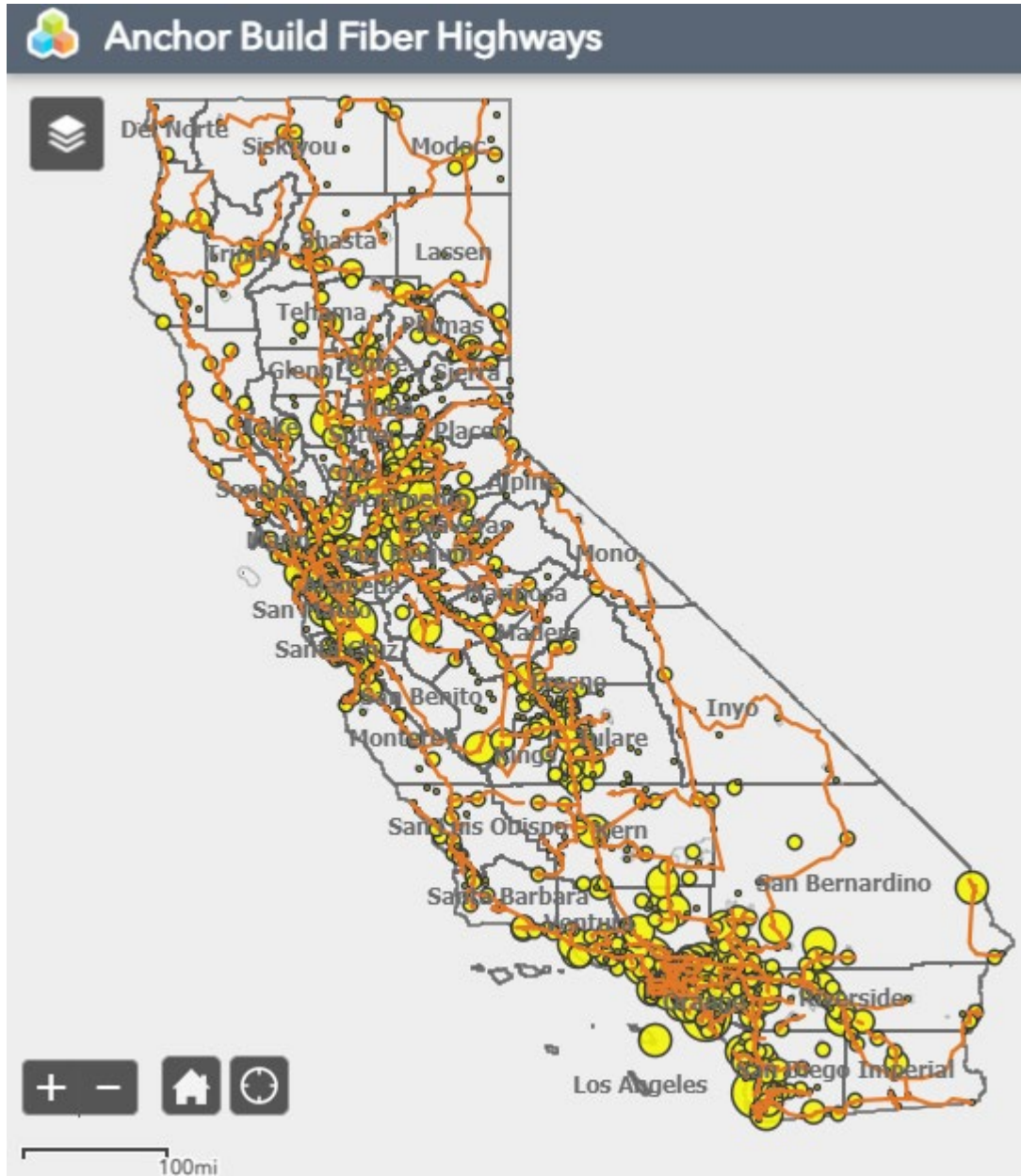


# **Rob Osborn**

**Director, Communications Division**

**California Public Utilities Commission**

# LAST-MILE BROADBAND PROGRAMS



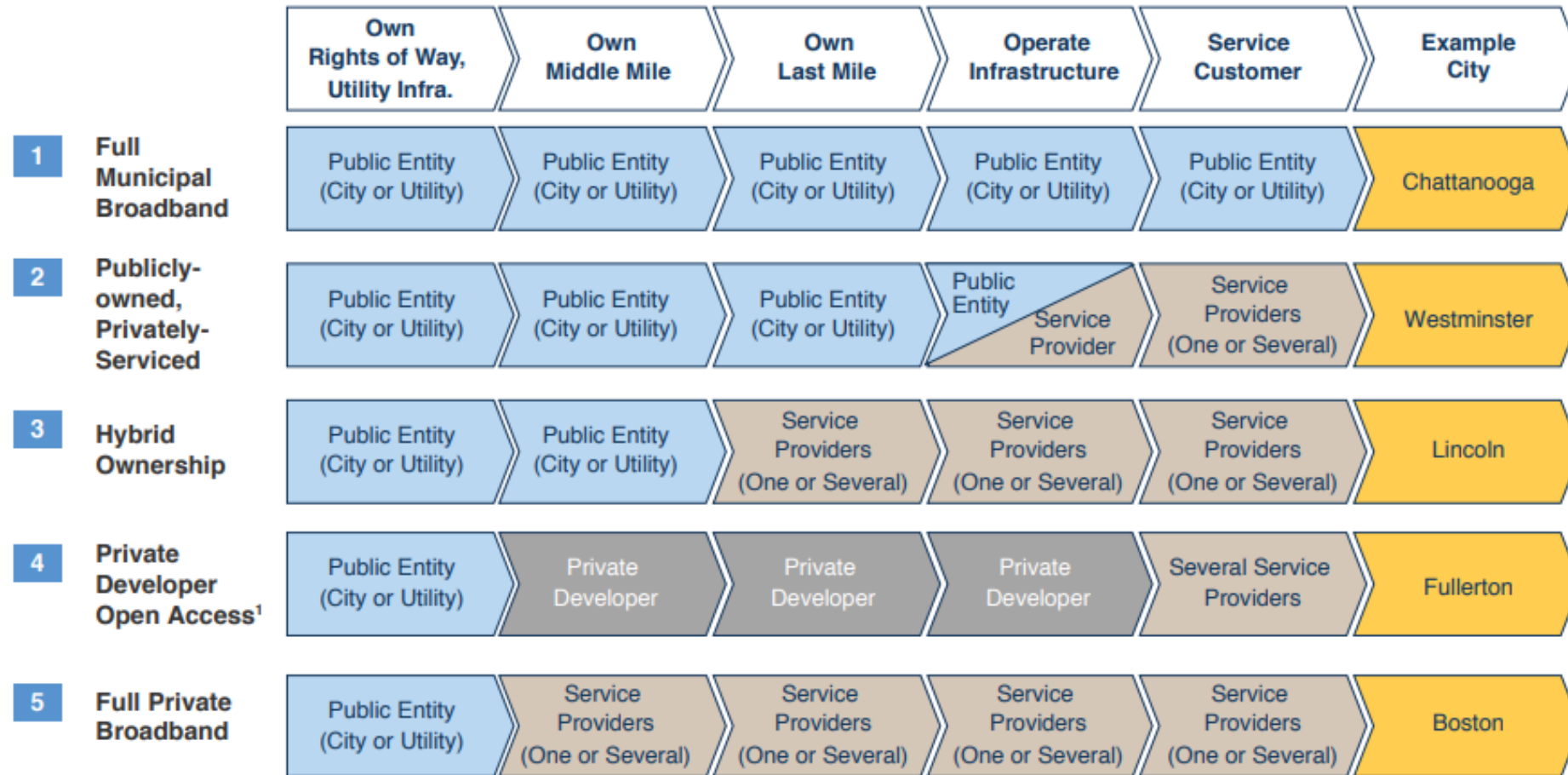
## Proposed Middle Mile Network Connects to Last-Mile Locations

- State highways / rights of way
- Connecting unserved census designated places
- [Deployment Proceeding website](#)
- [Anchor Build Fiber Highways web map](#)

# LAST-MILE BROADBAND PROGRAMS

## Expanding the Ways Broadband Can Be Deployed: Public-Private Models

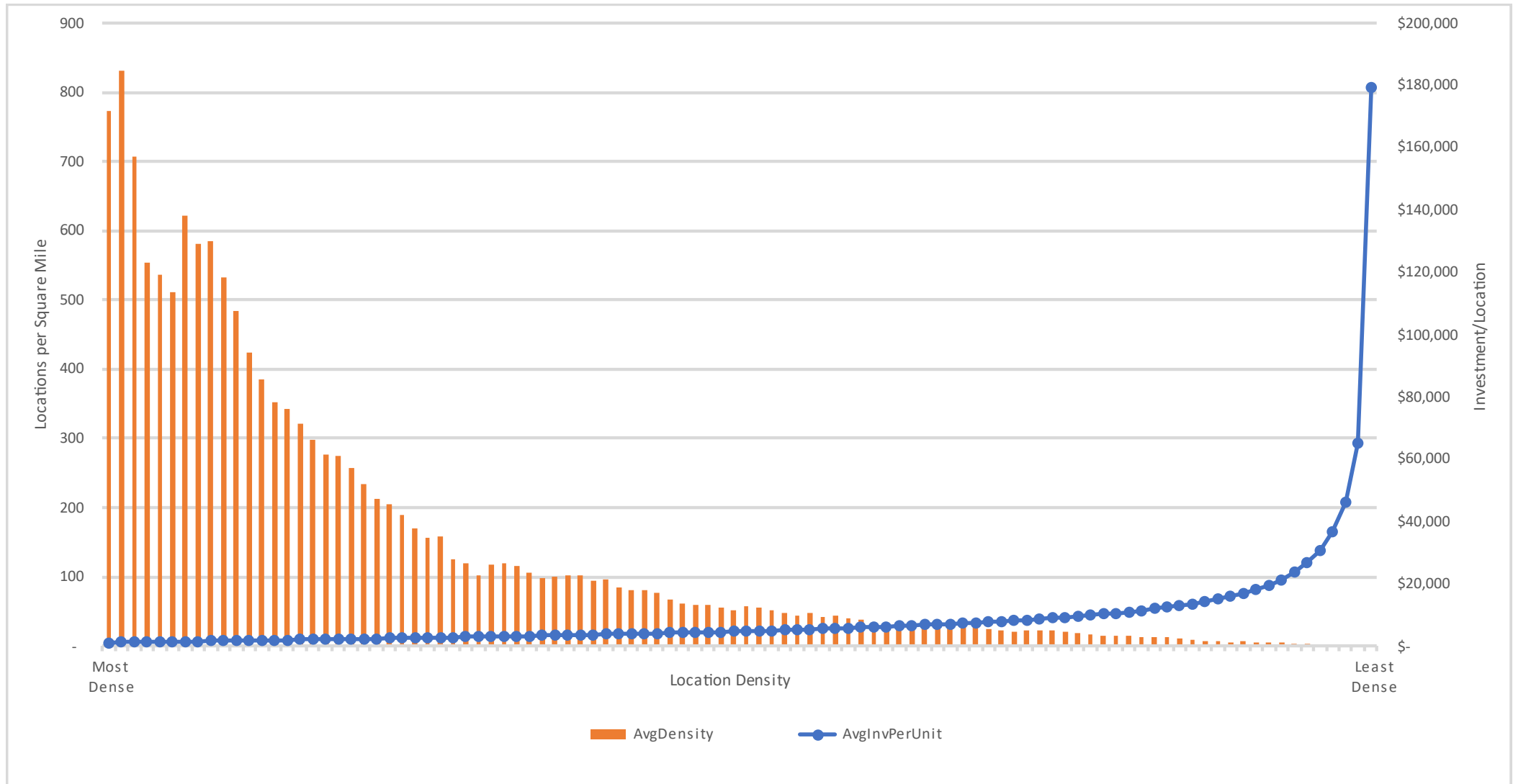
### City Main Business Model Options for Broadband Expansion



Note: 1) Private Developer is defined as private company that builds, owns and operates the network infrastructure and offers open access to it to several retail SPs that provide service on the top

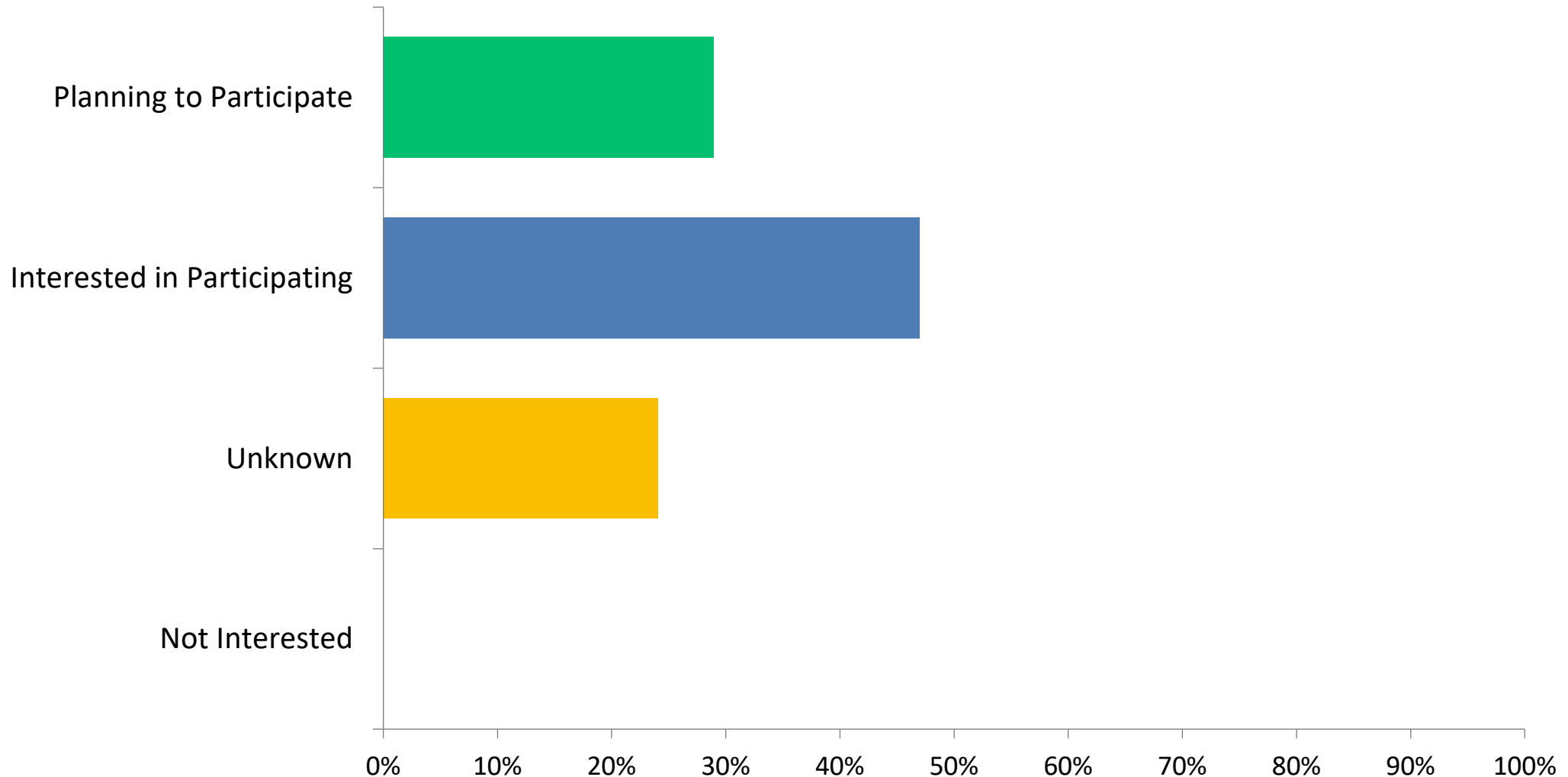
# LAST-MILE BROADBAND PROGRAMS

Capital Expenditure Profile – Cost Per Location Increases As Density Decreases



# LAST-MILE BROADBAND PROGRAMS

What level of interest does your government have in participating in the Federal Funding Account program?



# LAST-MILE BROADBAND PROGRAMS

## Local Agency Technical Assistance

**\$50 million**

Grants available to local agencies and Tribes. Funding can be used 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**, and **design** activities.

→ Now accepting applications

## Federal Funding Account

**\$2 billion**

Grants available to ISPs, local agencies, and Tribes. Money to be used for last-mile broadband deployment. These funds must be encumbered by the 2025 federal deadline, and spent (i.e., projects built) before 2027.

## Loan Loss Reserve Fund

**\$750 million**

Grants available to local governments and non-profits. Supports development of public broadband networks. A form of credit enhancement, or a type of insurance, that helps lenders control for the risk that loans will not be repaid. This new funding will provide collateral to local governments and non-profits for bond financing.

## California Advanced Services Fund

**Up to \$150 million per year**

Grants available to ISPs, local agencies, and Tribes. Money to be used for broadband adoption, public housing, regional consortia, and infrastructure.

## Summary

### COMPLETE

- **Local Agency Technical Assistance Program Rules and Initial Awards**
- **Historical CASF Program Updates (Adoption, Consortia, Public Housing)**
- **Federal Funding Account Rules**

### IN PROGRESS

- **Receiving Comment on Loan Loss Reserve Program Proposed Rules**
- **Development of Federal Funding Account Priority Areas**
- **CASF Infrastructure Grant Account Rules Update**
- **Broadband Equity, Access, and Deployment Program development**

### 2023 FOCUS

- **Adopt Final Rules and Issue Awards for the Loan Loss Reserve Program**
- **Issue Federal Funding Account Awards**
- **Issue Infrastructure Grant Account Awards**
- **Broadband Equity, Access, and Deployment Program implementation**



## Progress and Highlights

### Local Agency Technical Assistance Awards

- Final rules adopted in February 2022
- 71 applications received since August 1, requesting >\$30 million of the total \$50 million program budget

### Historical CASF Account Program Awards

- Adoption Account, updated rules and 2022 awards
- Public Housing Account, updated rules and 2022 awards
- Regional Consortia Account, updated rules and 2022 awards



*Community members flip the switch, turning on the new broadband network to serve the San Jerardo Housing Cooperative, a CASF grant recipient.*



**Sunne Wright McPeak**

President and CEO

**California Emerging Technology Fund**

# WHAT IS 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.**

# **BARRIERS TO BROADBAND ADOPTION**

- 1. Cost (Internet service and computing devices)**
- 2. Relevance (benefits to unconnected households)**
- 3. Digital Literacy (training and skills)**

# LOW-COST SERVICE OFFERS

  
**access**  
from **AT&T**

**internet»**  
**essentials**  
FROM COMCAST

**COX** **Connect2**  
Compete.®

SPECTRUM INTERNET® ASSIST

**Frontier**  
**Fundamental Internet**

 **PROJECT**  
**10MILLION**  
WORKING TO CONNECT EVERY STUDENT

# 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.**

**\$30 per month  
toward internet service  
for eligible households**

**\$75 per month  
for households on  
qualifying Tribal lands.**

**One-time discount  
of up to \$100  
to purchase a laptop,  
desktop computer, or  
tablet from participating  
providers**



# AFFORDABLE CONNECTIVITY PROGRAM ELIGIBILITY

A household is eligible if the household income is at or below 200% of the Federal Poverty Guidelines, or if a member of the household meets at least *one* of the criteria below:

- **Received a Federal Pell Grant during the current award year;**
- **Meets the eligibility criteria for a participating provider's existing low-income internet program;**
- **Participates in one of these assistance programs:**
  - **Free and Reduced-Price School Lunch Program or School Breakfast Program**
  - **SNAP**
  - **Medicaid**
  - **Housing Choice Voucher (HCV) Program (Section 8 Vouchers)**
  - **Project-Based Rental Assistance (PBRA)/202/811**
  - **Public Housing**
  - **Supplemental Security Income (SSI)**
  - **WIC**
  - **Veterans Pension or Survivor Benefits**
  - **or Lifeline;**
- **Participates in one of these assistance programs and lives on Qualifying Tribal lands:**
  - **Bureau of Indian Affairs General Assistance**
  - **Tribal TANF**
  - **Food Distribution Program on Indian Reservations**
  - **Tribal Head Start (income based)**
  - **Affordable Housing Programs for American Indians, Alaska Natives or Native Hawaiians**



## **Highlights**

- **Investor-owned utilities outreach to 1.96M CARE Customers**
- **Dept. of Health Care Services Distribution to 8M Medi-Cal HHs**
- **Coordinated state and local effort to promote ACP**
- **State Agency and ISP Monthly Coordinating Meetings**
- **Statewide mobilization events**

## California leads in Affordable Connectivity Program household enrollments:

**1,739,437**

as of October 17, 2022

[ACP enrollment tracker | Broadband for All \(ca.gov\)](#)

# TOOLS TO SUPPORT AFFORDABILITY AND ADOPTION

**CETF, Everyone On, CSU Chico, and CDT partnered to develop the following tools:**

[Affordable service programs | Broadband for All \(ca.gov\)](#)

[Affordable connectivity program | Broadband for All \(ca.gov\)](#)

[ACP enrollment tracker | Broadband for All \(ca.gov\)](#)

## **Next Steps**

- **Distribute Information to All ACP-Eligible HHs**
- **Organize and Support ACP Enrollment Events**
- **FCC Grant Outreach Grant Program**
- **Promote during Digital Equity Planning process**
- **Recommendations for Digital Equity Plan for BEAD and Capacity Grants**

# BREAK

PLEASE RETURN AT 11:00 AM



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# Digital Equity and Broadband Equity, Access, and Deployment Planning Kickoff



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# **Scott Adams**

**Deputy Director, Broadband & Digital Literacy  
Department of Technology**

# NTIA CALIFORNIA TEAM MEMBERS

## NTIA California Team



**Susan E. Walters**  
Regional Director, West  
[swalters@ntia.gov](mailto:swalters@ntia.gov)



**Marina MacLatchie**  
California State Lead  
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**Gladys Palpallatoc**  
California State Lead  
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**Vanesscia Cresci**  
Broadband Program Specialist  
[vcresci@ntia.gov](mailto:vcresci@ntia.gov)



**Andrew Orosco**  
Broadband Program Specialist  
[arosco@ntia.gov](mailto:arosco@ntia.gov)

# The 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 Coordination**

- **CDT administering entity for Digital Equity Planning program**
- **CPUC administering entity for Broadband Equity, Access, and Deployment program**
- **Planning processes will be 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**

# **SDEP Approach: Funding, Process and Outcomes**

- **Planning grant from NTIA to develop the plan**
- **One year to complete**
- **52-week planning process**
- **Digital equity outcomes aligned with the state's priorities**

# SDEP Plan Requirements: Covered Populations

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

**1** Individuals living in covered households  
income at or below 150% Federal Poverty Level

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**2** Aging individuals

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**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 reside in rural areas



# SDEP PLAN REQUIREMENTS

## 15 required components

### STATUTORY REQUIREMENTS (IIJA)

- 1. Identification of barriers**
- 2. Measurable objectives**
- 3. How those objectives impact State Policy**
- 4. Stakeholder engagement plan**
- 5. List of planning partners**

### ADDITIONAL REQUIREMENTS (NOFO)

- 1. Vision for Digital Equity**
- 2. Needs assessment**
- 3. Asset inventory**
- 4. Outreach strategy (to covered populations)**
- 5. Relation to local Digital Equity Plans**
- 6. Implementation strategy**
- 7. Explanation of how gaps will be addressed**
- 8. Engagement of workforce, labor, higher ed entities**
- 9. Timeline for implementation**
- 10. Use of potential funds**

# **SDEP APPROACH: PLANNING COMPONENTS**

**The planning process will consist of five components:**

- 1. Statewide Planning Group**
- 2. Outcome Area Working Groups**
- 3. California Digital Equity Survey(s)**
- 4. Local and Regional Outreach Events**
- 5. Statewide Public Engagement**

## **SDEP Approach: Statewide Planning Group (SPG)**

**The Statewide Planning Group will advise CDT, provide input on planning activity and the final components of the Digital Equity Plan.**

**SPG will consist of:**

- **Broadband Council member entities**
- **Statewide agencies/departments or entities with:**
  - **Connection to eight covered populations**
  - **Subject matter expertise related to outcome areas**
- **Meetings will be publicly noticed and open to the public**

# **SDEP Approach: Outcome Area Working Groups**

**Working groups will develop strategies that align with other state priorities:**

- **Education**
- **Health**
- **Digital Literacy and Inclusion**
- **Civic Engagement, Essential Services, & Accessibility**
- **Economic and Workforce Development**
- **Tribal Coordination**

**Objectives include:**

- **Develop statewide stakeholder map**
- **Compile statewide asset inventory of plans, programs, and resources**
- **Provide recommendations to CDT**

# SDEP Approach: Surveys

## Statewide digital equity survey:

- **All 58 counties**
- **Oversample covered populations**
- **Phone interviews, online form, in-person**

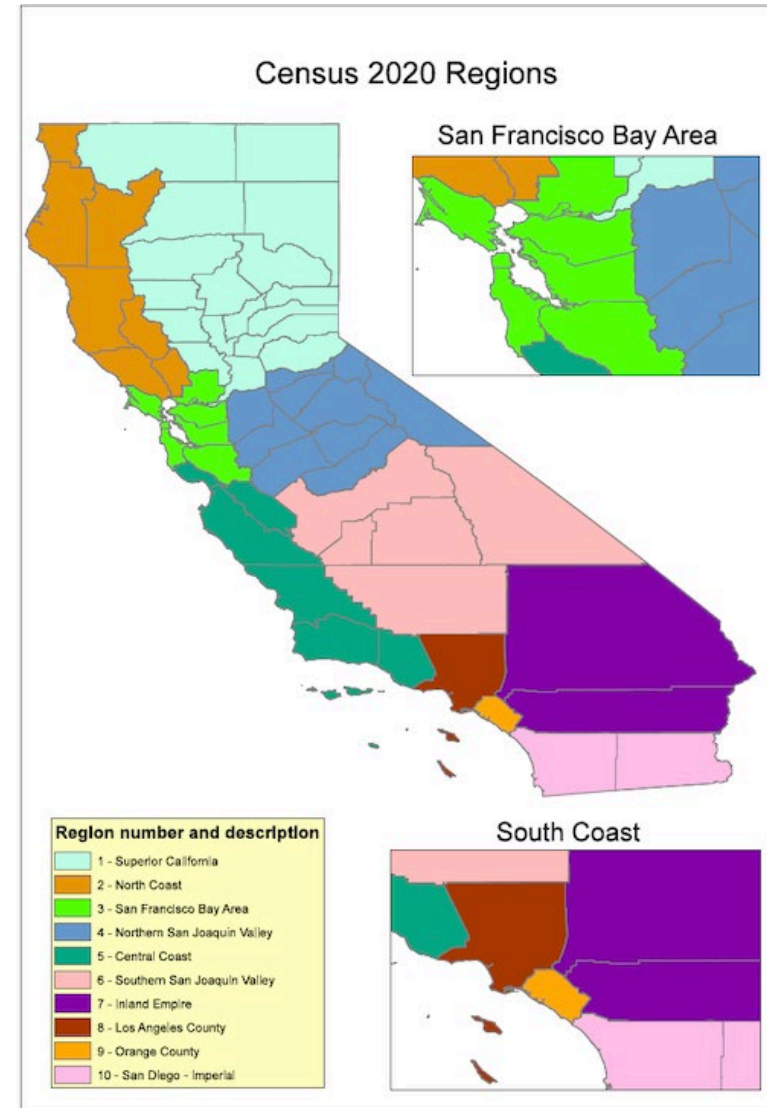
## Digital equity ecosystem mapping:

- **Inventory of current plans, programs, resources**
- **Public, private, nonprofit, philanthropic organizations**



# SDEP Approach: Local & Regional Outreach Events

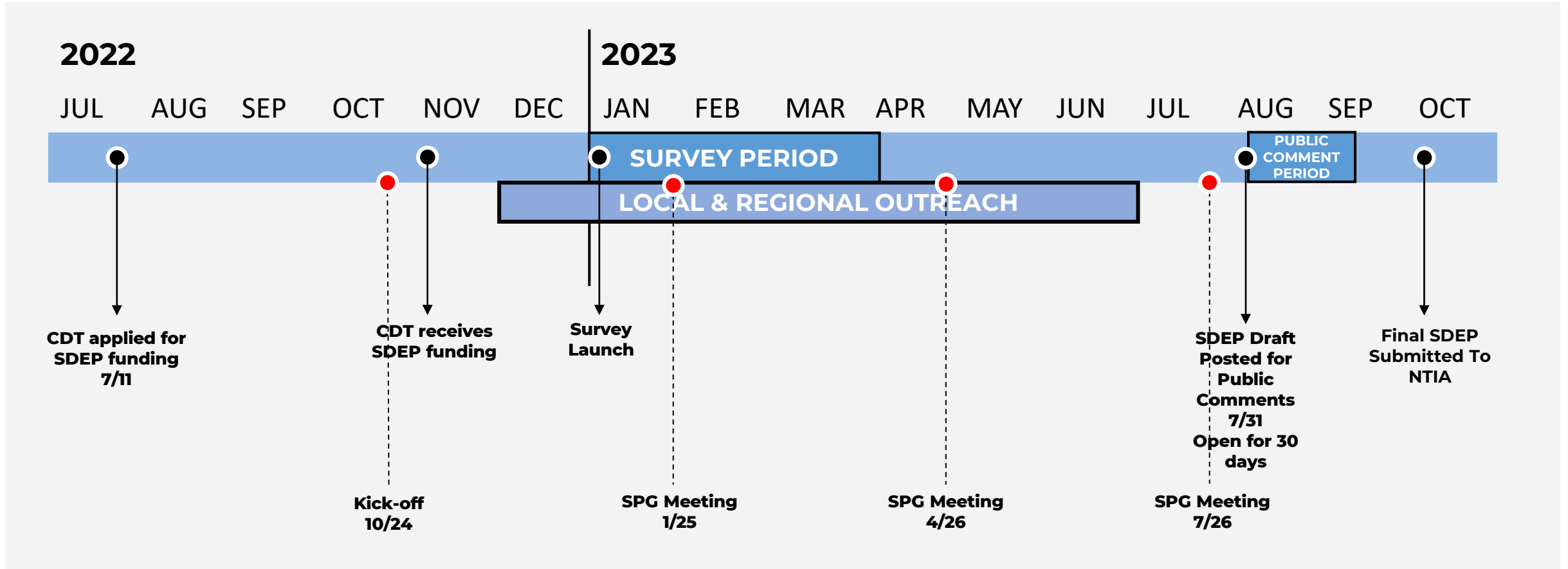
**20 local/regional  
engagement events  
throughout the  
state**



# Preliminary Timeline

## California State Digital Equity Planning (SDEP) Timeline

Important milestones for State digital equity planning:



# SDEP Approach: Statewide Public Engagement

- **Please share how we can partner and align efforts**
- **We look forward to working with you!**

**[State Digital Equity Plan Development Process | Broadband for All \(ca.gov\)](#)**

## Participating in the Planning Process

If you would like to participate in California's SDEP planning process, please provide the following information:

Name \*

First

Last

Your role \*

- I am an individual resident
- I am part of a group/organization

Email \*

Phone number

City \*

County \*

ZIP code \*

How would you like to participate in the SDEP process \*

- Attend virtual statewide planning group meetings
- Attend virtual outcome area working group meetings
- Attend local/regional in-person planning event
- Promote/distribute Digital Equity Survey(s) through my network
- Not listed

Submit



# **Rob Osborn**

**Director, Communications Division  
California Public Utilities Commission**

## Summary

### COMPLETE

- **BEAD Letter of Intent Submitted (July 1)**
- **BEAD Initial Planning Funds application submitted (August 12)**
- **Initial Planning Funds application under review (September 1)**

### IN PROGRESS

- **Collaborating with CDT on Digital Equity outreach planning**
- **Drafting scope of work for 5-Year Action Plan activities**
- **Federal Communications Commission Bulk Fabric Challenge**

### 2023 FOCUS

- **1Q-2Q: Scoping BEAD last-mile grant program into a proceeding**
- **2Q-3Q: NTIA Announces BEAD allocation**
- **2Q-3Q: Complete 5 Year Action Plan**
- **3Q-4Q: Submit BEAD Initial Proposal**

## Progress and Highlights

### Initial Planning Funds

**Aug. 12 – CPUC submitted application for \$5M BEAD initial planning funds to support:**

- **5-Year Action Plan (due 270 days after planning funds received)**
- **Initial Proposal (due 180 days after BEAD allocation announced)**
- **Final Proposal (due 365 days after Initial Proposal Approval)**
- **Outreach (in coordination with CDT)**
- **Staffing (to support BEAD planning and last-mile grant program)**
- **Workforce-related planning (in coordination with CDT, industry, labor, and education)**

## Next Steps

### NTIA Initial Planning Funds award (\$5M)

- **Expected between mid-Oct. to early Dec.**

### Outreach

- **Solicit public feedback on 5-Year Action Plan in coordination with CDT Digital Equity outreach**

### Create 5-Year Action Plan

- **Due 270 days from Initial Planning Funds award**

### Federal Communications Commission Broadband Map

- **Estimated publication May 2023**
- **Basis for state BEAD allocation**

A photograph of a desk setup. In the foreground, a silver laptop is open, displaying a blue-themed desktop with a hand holding a smartphone. To the left, a black desk lamp is positioned. In the background, there is a stack of books and a small decorative object on the desk. The scene is lit with soft, natural light from a window with white curtains.

# Breakout Sessions: Goals

Discussions based around 6 outcome areas:

1. Education
2. Healthcare
3. Digital Literacy and Inclusion
4. Economic & Workforce Development
5. Civic Engagement
6. Tribal Collaboration

# BREAKOUT SESSIONS

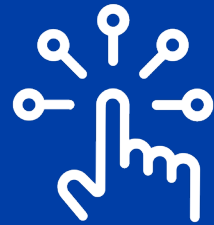
Please choose an outcome area breakout session and join per Zoom instructions:



**Room 1**  
Education  
California  
Department  
of Education



**Room 2**  
Healthcare  
Insure the  
Uninsured  
Project



**Room 3**  
Digital  
Literacy &  
Inclusion  
CDT & CETF



**Room 4**  
Economic &  
Workforce  
Development  
GO-BIZ



**Room 5**  
Civic Engagement,  
Essential Services, &  
Accessibility  
ODI



**Room 6**  
Tribal  
Collaboration  
NTIA



**BROADBAND  
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**The summit has now concluded.**

**BREAK**

**PLEASE ENTER BREAKOUT SESSIONS AT 12:15 PM**



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