



**BROADBAND
FOR ALL**

California Broadband Council

January 25, 2023





AGENDA

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

Jared Johnson

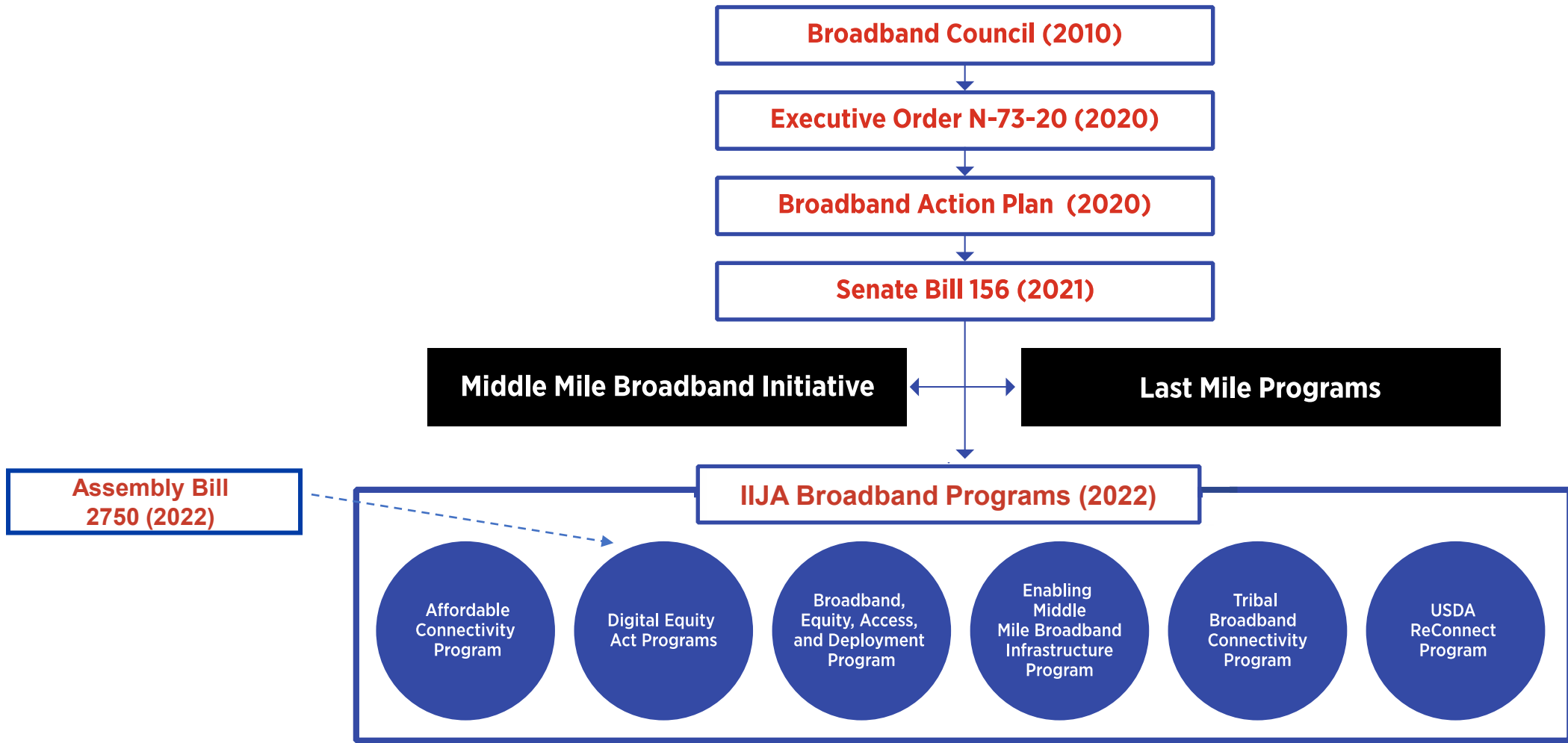
Chief Deputy Director

California Department of Technology

Scott Adams

Deputy Director

Broadband & Digital Literacy
California Department of Technology



OBDL EXECUTIVE REPORT – Workplan Update

- Monthly Action Plan Working Sessions
- Annual Plan Review and Revision Process
- Partner and Stakeholder Engagement
 - 10/24/22 Broadband for All Summit: DE and BEAD Kickoff
 - Tribal Engagement Series
 - Permitting Roundtables
 - Meetings and Consultations
- Federal IIJA Broadband Programs
 - Coordinated Digital Equity and BEAD planning
 - FCC Mapping Challenge Webinar with CPUC
 - FCC ACP Outreach Grants with CPUC, CETF





BROADBAND FOR ALL UPDATES

- **Broadband for All Action Plan Review, Revision, and Status**
- **Middle-Mile Broadband Initiative**
- **Last-Mile Programs**
- **Affordable Connectivity Program**

Scott Adams

Deputy Director

Broadband & Digital Literacy
California Department of Technology

BROADBAND FOR ALL ACTION PLAN REVIEW AND REVISIONS

- The Broadband for All Action calls for revising “actions at least annually.”
- At the October 2022 Broadband Council meeting, council members voted to authorize OBDL staff to review and revise Broadband for All Action Plan Items
- OBDL staff worked with Action Item leads to review, and revise Action Plan Items where needed.
- Three Action Items were revised: Action Item #2, #7, and #16

Staff and Action Item leads revised the following:

- **Action Item #2:** Identification of State and Federal Funding
- **Current language:** Identify alternative financing opportunities with government and philanthropic partners to maximize funding for new infrastructure. The state should work with local governments to explore opportunities for public financing, including but not limited to bond instruments. The state should also engage with active philanthropy organizations to identify areas of shared interest and potential sources of funding to support new broadband deployments in unserved and underserved areas.
- **Revision:** Update key parties to include: “Governor’s Senior Advisor on Social Innovation”
- **Justification:** Governor’s Senior Advisor on Social Innovation will help leverage philanthropic efforts to support broadband deployment and adoption

Staff and Action Item leads revised the following:

- **Action Item #7:** Identify State Property for Broadband Deployment
- **Current language:** Identify state property for possible use for broadband infrastructure, based on specific criteria identified by the CPUC, Caltrans and other relevant agencies, to accelerate broadband deployment.
- **Revision:** Update lead parties to include: “California Department of Technology”
- **Justification:** Formalizes CDT’s current efforts in support of the Action Item and CDT’s role in Senate Bill 717 implementation

BROADBAND FOR ALL ACTION PLAN REVISIONS

Staff and Action Item leads revised the following:

- **Action Item #16:** Promote and Track Affordable Service Programs
- **Current language:** Partner with internet service providers to promote, track and publicly report the progress of adoption of affordable internet services and devices throughout the state.
- **Revision:** Partner with "state agencies" and internet service providers to promote, track and publicly report the progress of adoption of affordable internet services, "the Affordable Connectivity Program", and devices throughout the state.
- **Justification:** Recognizes CBC's 2022 commitment to promote FCC Affordable Connectivity Program and that multiple State agencies are already involved in this effort.

SHORT TERM ACTION ITEM STATUS

Item	Description	Lead	Status	2023
1	Shared Broadband Standards	CPUC	Complete	Update; SDEP, BEAD
2	Identification of State and Federal Funding	GO-Biz	Complete	Update; SDEP, BEAD
4	Dig Smart Policy	DOT	Complete	Monitor
5	Improve Encroachment and Rights-of-Way Management	DOT	Complete	Monitor
6	Enhance Permitting Processes	CDT	Complete	MMBI, SB 717
8	Next-Generation 9-1-1	Cal-OES	In progress	SDEP, BEAD
9	Network Resiliency and Reliability Standards	CPUC	In progress	SDEP, BEAD
11	Establish Broadband Service Affordability Standards	CPUC	Complete	SDEP, BEAD
15	Analyze Needs of Aging Populations	CDA	Complete	SDEP, BEAD
19	California Interactive Broadband Map	CPUC	In progress	SDEP, BEAD
20	CPUC's Broadband Cost Model	CPUC	Complete	SDEP, BEAD
21	Broadband for All Portal	CDT	Complete	SDEP, BEAD
22	Technical Assistance	CPUC	In progress	SDEP, BEAD

LONG TERM ACTION ITEM STATUS

Item	Description	Lead	Status	2023
3	Universal Service Programs	CPUC	In progress	Monitor
7	ID State Property for Broadband Deployment	DGS	Complete	SB717
10	Consumer Protection and Equitable Service	CPUC	In progress	BEAD
12	Improve the California LifeLine Program	CPUC	In progress	BEAD
13	Service for Publicly Subsidized Housing Units	HCD	Complete	SDEP
14	Contracting and Procurement Vehicles	DGS	Complete	SDEP, BEAD
16	Promote and Track Affordable Service Programs	CDT	Complete	SDEP, BEAD
17	Guidance to Local and Tribal Governments	CPUC	In progress	SDEP, BEAD
18	Establish Digital Inclusion Stakeholder Network	CDT	Complete	SDEP, BEAD
23	Interagency Broadband Planning Group	GO-Biz	Complete	SDEP, BEAD
24	State Entity Broadband Strategic Planning	CDT	Complete	SDEP, BEAD

- Monitor and support open Action Items
- Monitor and update completed Action Items annually
- Integrate Action Item directives into related workstreams
- Digital Equity and BEAD planning process will support:
 - Statewide Engagement
 - Broad, multilevel interagency coordination
 - Data acquisition to quantify barriers and assess needs
 - Alignment of goal and outcomes

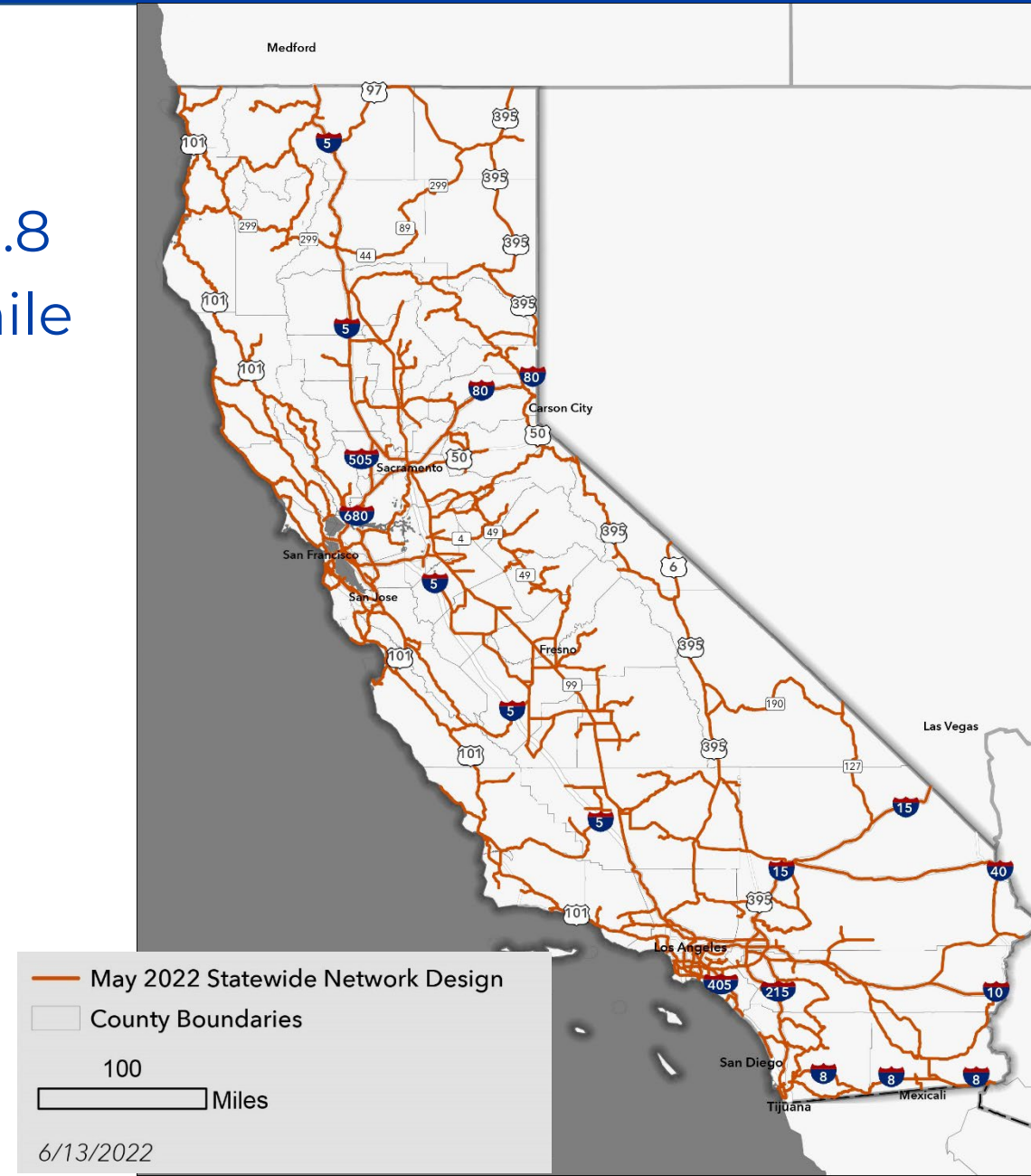
Mark Monroe

Deputy Director

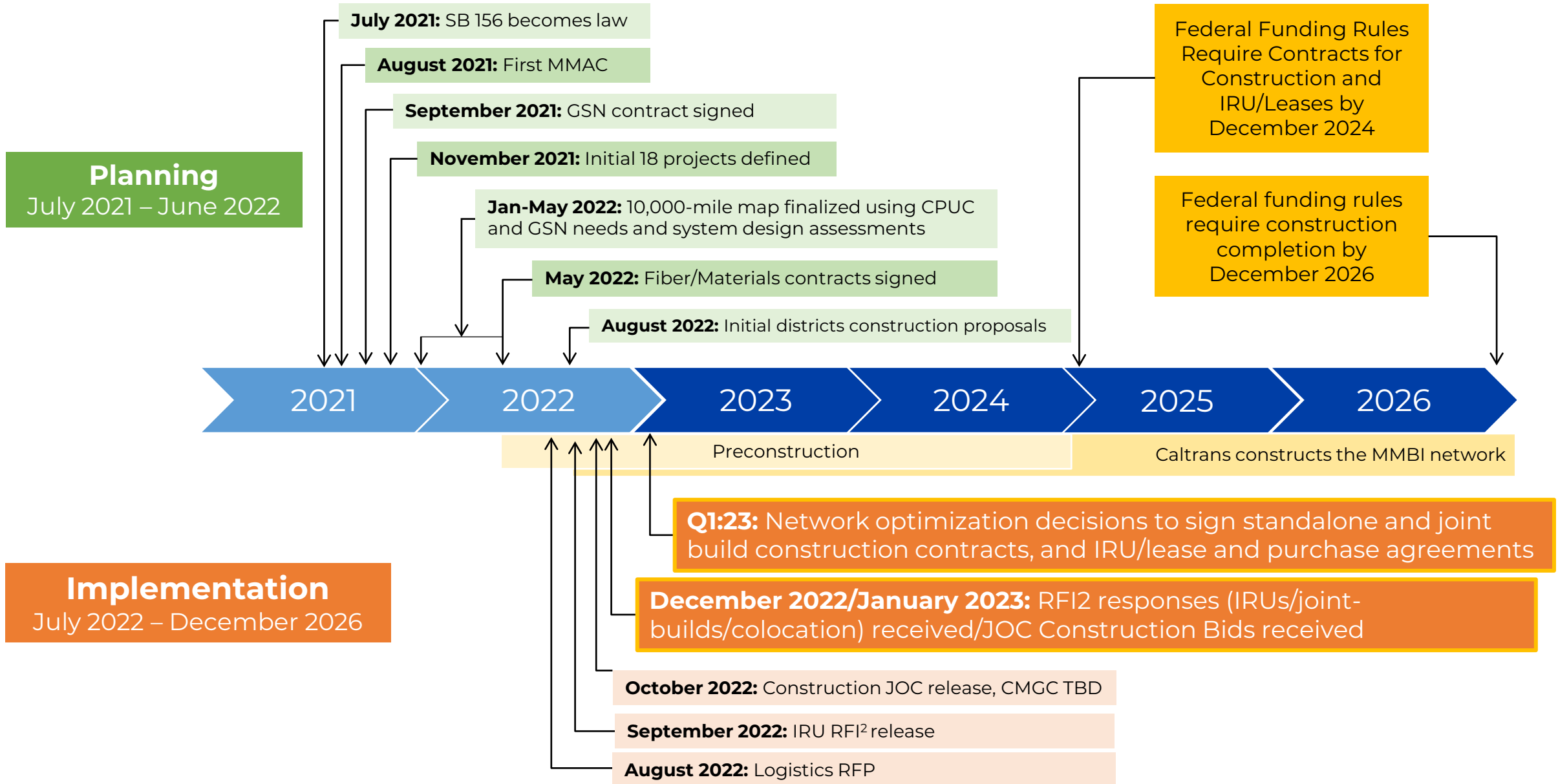
Middle-Mile Broadband Initiative (MMBI)

Summary:

- The Administration has allocated \$3.8 billion to CDT to develop a 10,000-mile statewide open access middle mile network, primarily along the State Highway System (SHS), to connect unserved and underserved communities throughout the state.



CDT PROJECT RECAP



MMBI UPDATE – PROGRESS TO DATE

2022

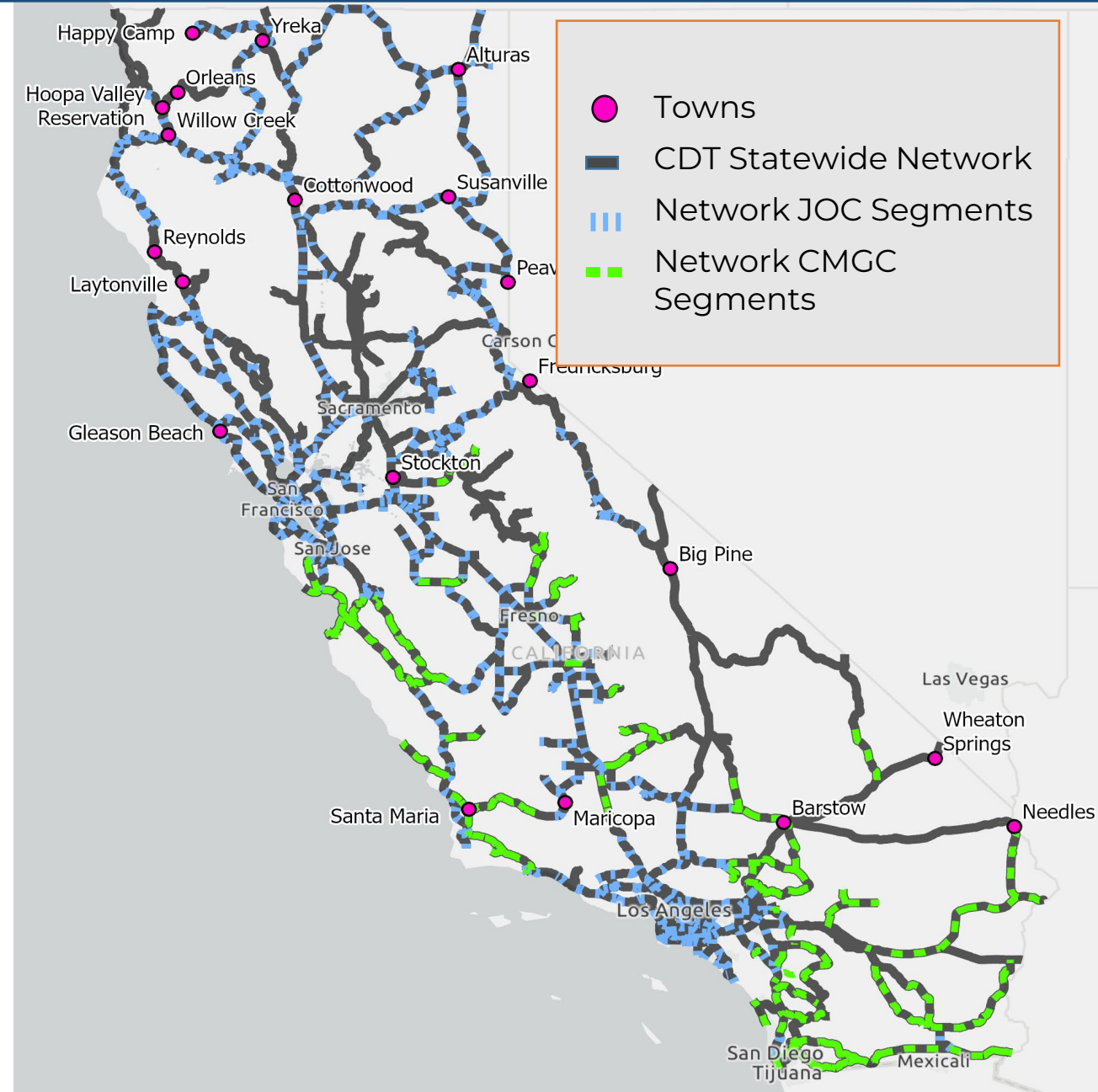
- CDT coordinated streamlining of state and federal **permitting strategies**.
- CPUC finalized the **needs map**.
- GSN used the CPUC's needs map to develop the **System Level Design** for a resilient, operational network.
- CDT **purchased fiber**, conduit, and related materials to construct 3,000 miles or more to address supply chain risks.
- CDT finalized the **10,000-mile map** based on CPUC and GSN recommendations, and delivered to Caltrans to begin preconstruction work, such as design and permitting.
- Caltrans went out to bid for **7,900 miles of standalone construction**.
- CDT went out to bid for up to **10,000 miles of alternatives to standalone construction**, such as IRU/leases, joint-builds, purchases, and the lease of facilities for electronics colocation.



Construction Contracts

Bids Received on 7,900 Miles of Construction

- 5,200 miles - Job Order Contracts (JOC)
- 1,895 miles - Construction Manager/General Contractor (CMGC)
- Caltrans received a total of 28 submissions from 12 different contractors covering all 5 MMBI regions.



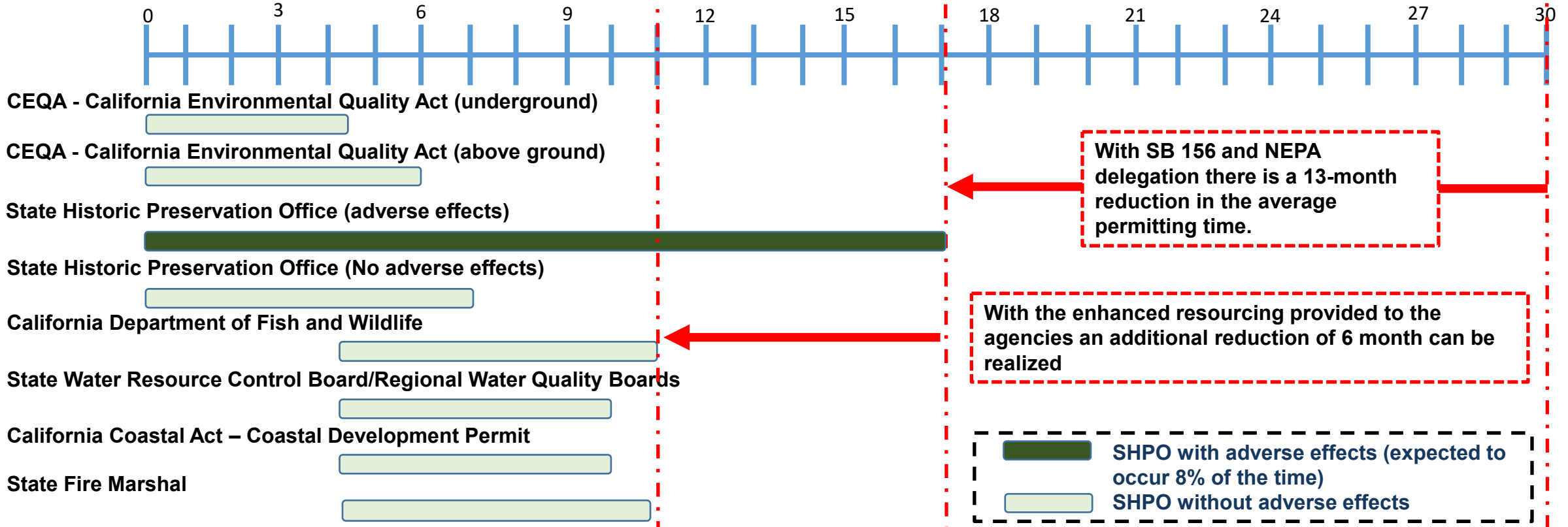
Request for Innovative Ideas (RFI²)

- CDT received 22 Innovative Concept Papers (ICPs) from 16 different potential partners. These concept papers include opportunities for a range of solution, including:
 - IRU/leases: 5 bids
 - Conduit: 1 bid
 - Joint-Build: 3 bids
 - Purchased Infrastructure: 1 bid
 - Colocation Facilities: 5 bids
 - Other Bids: 7

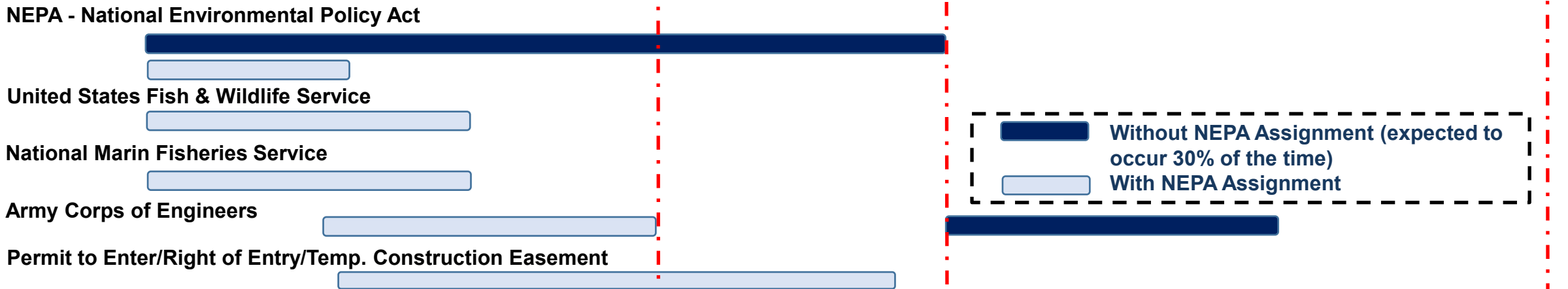


MMBI UPDATE - PERMIT STREAMLINING

State Permitting



Fed. Permitting



Next Steps:

- Evaluate construction contract bids
- Evaluate alternative development bids
- Optimize use of funding to develop 10,000-mile network



Darcie L. Houck

Commissioner

California Public Utilities Commission

LAST-MILE BROADBAND INITIATIVE SNAPSHOT

	TECHNICAL ASSISTANCE	LOAN LOSS RESERVE FUND	FEDERAL FUNDING ACCOUNT	CALIFORNIA ADVANCED SERVICES FUND
Amount	\$50 million	\$750 million	\$2 billion	\$150 million/year
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	Apply monthly now	Proposed Decision in first half of 2023	Evaluate the priority areas and prepare to apply	Apply in the next cycle for adoption, public housing, & line extension accounts

Local Agency 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 those lacking sufficient internet access

Eligibility

- Broad eligibility for public entities and Tribes
- Eligible costs: pre-construction deliverables (e.g. environmental permits, engineering studies, and strategic plans)

Applications

- 69 grants awarded a total of \$30.2 million through Dec. 2022
- From Aug. through Dec. 2022, 111 applications received requesting a total \$50.61 million

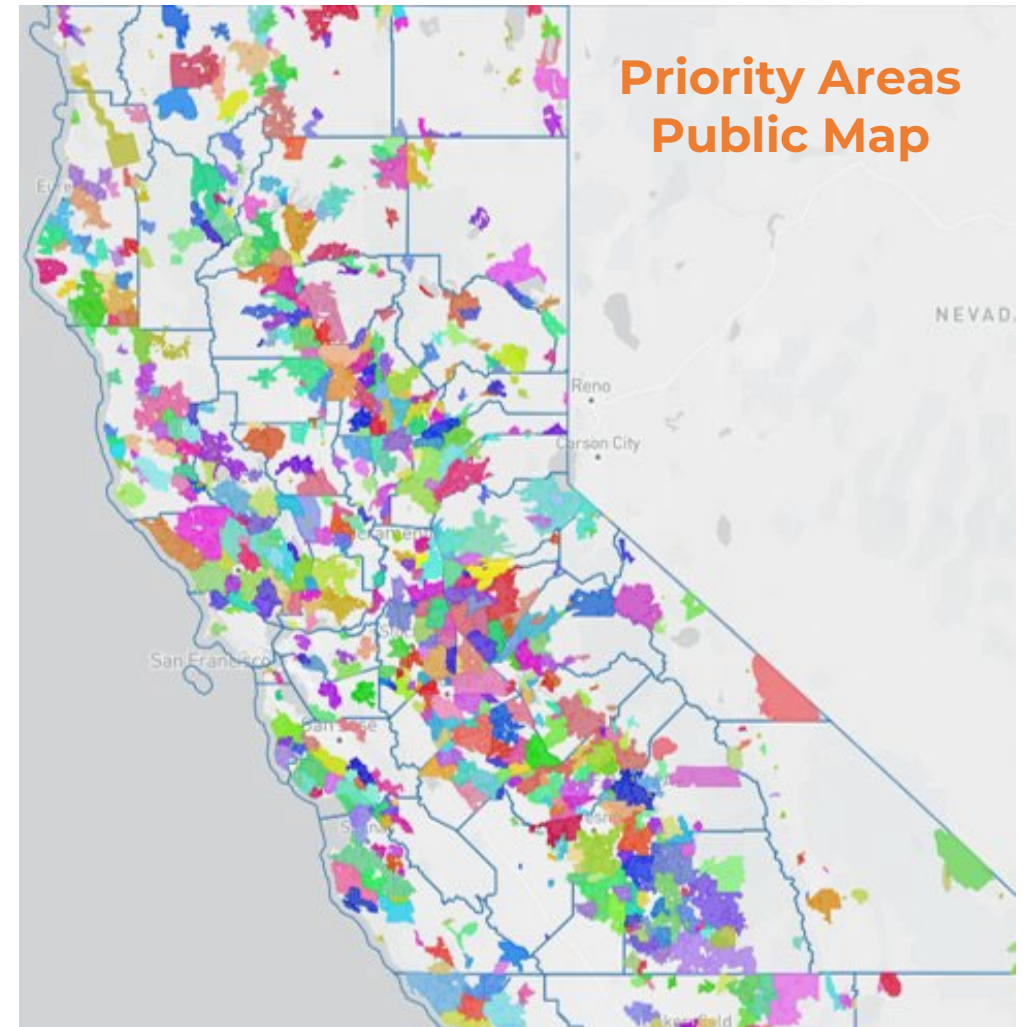


Federal Funding Account Priority Areas

Federal Funding Account Priority Areas

The \$2 billion [Federal Funding Account](#) is for last-mile broadband infrastructure.

- **Priority areas** are pre-defined eligible areas where entities can apply for funds.
- Designed to support a sustainable business case for the service provider.
- Entities eligible to apply include Tribes, service providers, public entities, and non-profits.
- [Priority Areas Map](#) is available.



California Advanced Services Fund Grants

Broadband Adoption and Digital Equity Grants

- Supporting digital literacy and broadband access projects for public entities and CBOs
- 74 projects awarded \$5.9M; action on remaining 24 applications in Feb. 2023.

Consortia

- Regional collection of public entities and CBOs assisting with broadband grant application development and deployment
- Disposition of 15 applications requesting \$10.3M in Q1 2023.

Public Housing and Low-Income Communities

- Grants to build broadband offering free service for low-income communities
- 19 projects awarded \$1.4 million.



CASF Adoption Account Center for Elders' Independence, digital literacy project grantee

Sunne Wright-McPeak

President and CEO

California Emerging Technology Fund

Review

California Broadband Council Goals

- 90% Enrollment of ACP-Eligible Households by 2024
- 1,841,740 HHs enrolled in ACP as of 1/23/23
- 32% of 5,844,797 ACP-Eligible HHs

2023 Focus

- Leverage State Digital Equity Planning process to continue promotion of ACP
- Identify barriers and develop solutions to increase enrollment
- Develop recommendations for consideration in State Digital Equity Plan

In Progress

- Secure partnership from additional State Agencies, Local Governments, ISPs, and other community stakeholders
- Organize/convene ongoing Get Connected! California mobilization ACP Enrollment Events
- Develop persistent and ongoing outreach, engagement and awareness strategies

Progress and Highlights

49 Statewide ACP Mobilization Get Connected! California

- August 2022 and October 2022: <1,000 Participants, 337 Questionnaires (Experts)
- CDE distributed SPI Thurmond letter to all Districts and COEs.
- CSAC reached out to all 58 Counties; SCAG and SANDAG encouraged engagement.
- State Librarian reached out to Libraries. State Librarian Greg Lucas wrote OpEd.
- ISPs supported Events.
- 64% qualified through Medi-Cal. CDHC notifying Medi-Cal HHs.
- 19% never connected.
- Connected paying \$67/mo.
- 76% earn <\$40,000/year.
- 67% speak home language other than English.
- 55% consider themselves a computer “beginner”.
- 61% want more training.
- 93% consider Internet and computer essential.

Next Steps

Distribute Information to All ACP-Eligible HHs

- Support results of Dept. of Health Care Services distribution to 8M Medi-Cal HHs (referrals through CETF Call Center to CBOs for enrollment assistance)
- Coordinate with CSAC to secure commitments from Counties to notify all ACP-Eligible HHs
- Work with CDE, SPI Thurmond to engage COEs to notify NSLP students-parents
- Engage Higher Education Systems to notify Pell Grant students (such as CCCCD)
- Support State Library to leverage Digital Navigator program

Coordinate Implementation of FCC ACP Grants in Alignment with CDT and CPUC

- Organize ACP enrollment activities in conjunction with public services
- Expand partnership with California Volunteers for ACP Enrollment Events
- Work with ISPs to provide computing devices and food for Enrollment Events
- Mobilize for next statewide ACP Enrollment Day on March 25

NTIA IJA PROGRAMS UPDATE



Scott Adams

Deputy Director, Broadband & Digital Literacy
Department of Technology

Rob Osborn

Director, Communications Division
California Public Utilities Commission

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)

\$42.45 Billion

Digital Equity Planning,
Capacity and
Competitive Grants

\$2.75 Billion

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 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



The planning process will consist of five components:

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



INTRODUCTIONS Six Outcome Area Working Groups

1

Education

2

Health

3

**Digital Literacy and
Inclusion**

4

**Essential Services,
Accessibility and Civic
Engagement**

5

**Workforce and
Economic
Development**

6

Tribal Collaboration

OAWG STAFF

Scott Adams, Cole Przybyla, Laura Sasaki, Anh Nguyen
Contractors + Graduate Student Assistants

SDEP APPROACH: SURVEYS

Statewide digital equity survey

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

Digital Equity Ecosystem Mapping (DEEM)

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

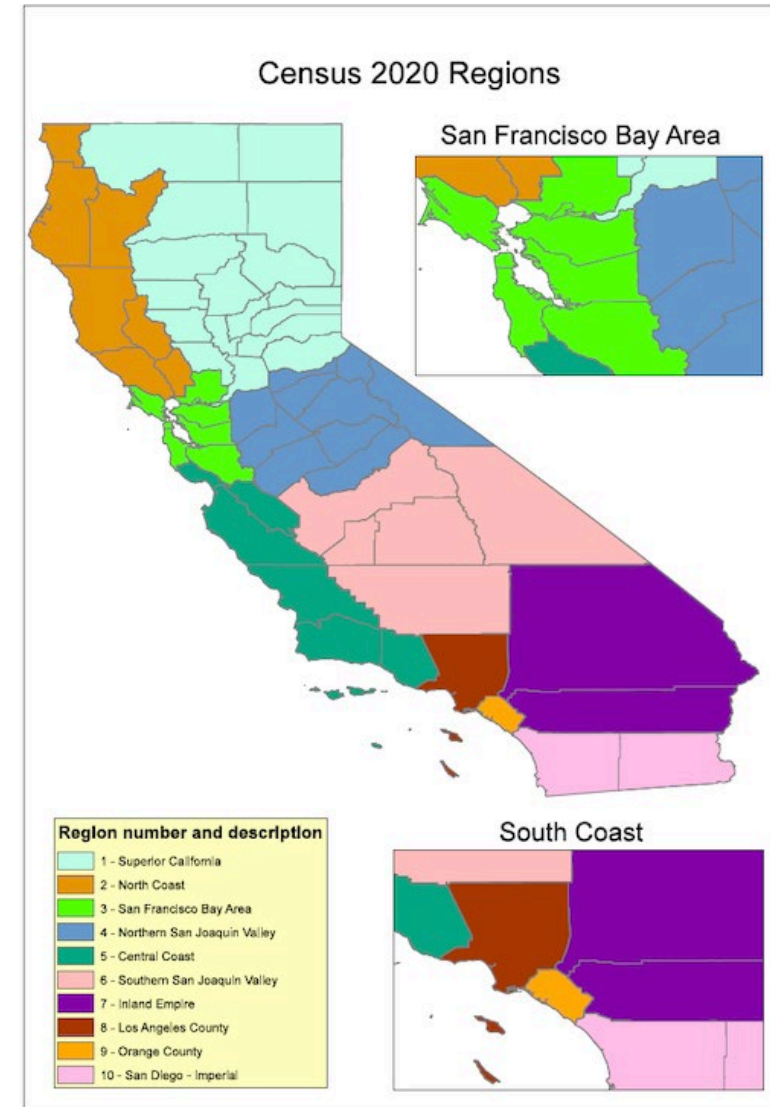


SDEP APPROACH: LOCAL AND REGIONAL OUTREACH EVENTS

20 local/regional engagement events throughout the state

Attendees will include:

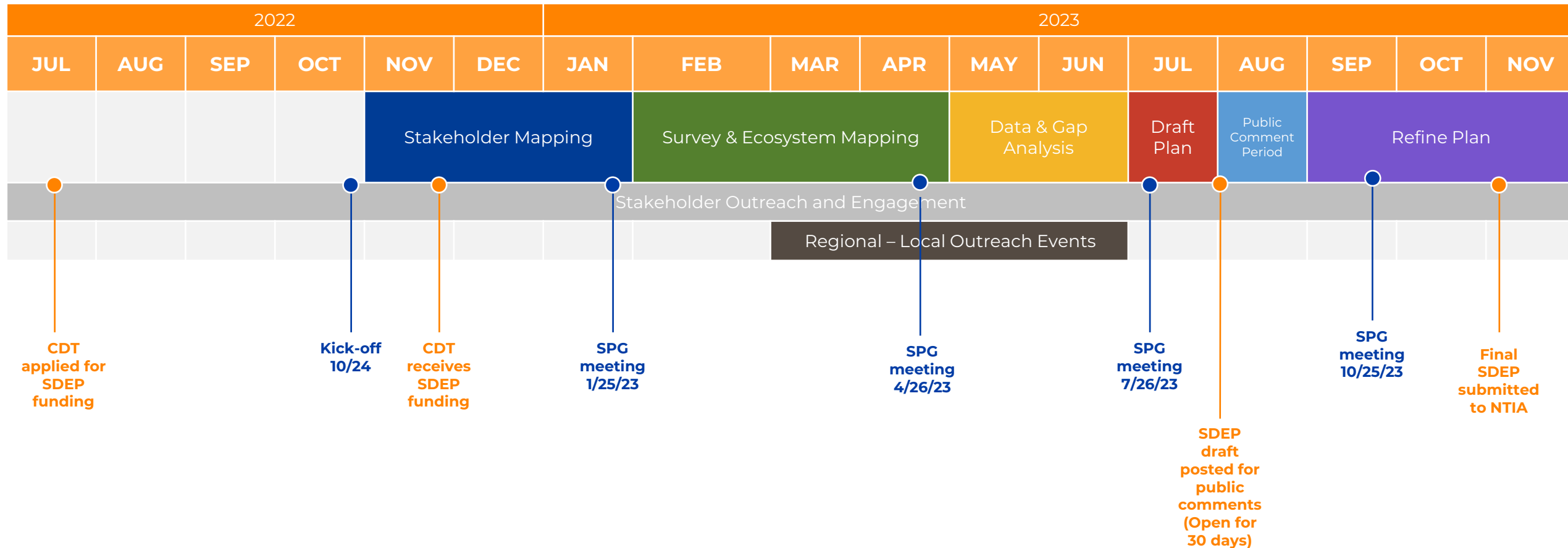
- Elected and Tribal leaders
- Schools
- Libraries
- Nonprofits
- Small businesses / DVBE
- Internet service providers
- Philanthropic entities



SDEP TIMELINE Approximate and Subject to Change

California State Digital Equity Planning (SDEP) Timeline

Important milestones for State Digital Equity Planning:



STATE DIGITAL EQUITY PLANNING HIGHLIGHTS

- Weekly coordination with CPUC on Digital Equity and BEAD planning
- State Digital Equity Planning Grant (\$4M) awarded in December 2022
- 10/24/23 Fall Broadband for All Summit and State Digital Equity Planning (SDEP) and Broadband, Equity, Access. and Deployment (BEAD) Planning
- Established Statewide Digital Equity Planning Group
 - Meetings: January 25, April 26, July 26, October 25
- Established Outcome Area Working Groups
 - Meetings in February, March, May and June
- Planning 20 local engagement events
- Designed Digital Equity Surveys and Ecosystem Mapping Tool

Graduate Student Assistants



Kamaljit Kaur Gill
Education Working Group



Latifa Mbarak
Health Working Group



Camila Saldarriaga
Digital Literacy
Working Group



Rida Fayyaz
Workforce and Economic
Development Working Group



Noelle Fa-Kaji
Essential Services, Accessibility, and
Civic Engagement Working Group



Zachary Ferguson
Tribal Collaboration
Working Group

2023 FOCUS

FCC Bulk Availability Challenge: submitted Jan. 13

- BEAD allocation will be based on Version 2 fabric and June 2022 post-challenge availability data

Q1

- Scoping BEAD last-mile grant program into a proceeding – on track

Q2

- By June 30: NTIA Announces BEAD allocation

Q3

- CPUC Completes 5-Year Action Plan

Q4

- CPUC Submits BEAD Initial Proposal

Progress and Highlights

Initial Planning Funds

Dec. 7, 2022 – CPUC received award notification of BEAD initial planning funds

- Submitted signed CD-450 Jan. 11, 2023
- Submitted response to Special Award Condition Jan. 13, 2023
- Notified CDT of CPUC designees to Statewide Planning Group and Outcome Area working groups Jan. 13, 2023
- Contracting
- Staffing (to support BEAD planning and last-mile grant program)
- Workforce-related planning (in coordination with CDT, industry, labor, and education)

Next Steps

Outreach

- In coordination with CDT, begin public engagements to solicit public feedback on 5-Year Action Plan proposal and in general

Draft 5-Year Action Plan

- Due 270 days from Initial Planning Funds award

BEAD Rulemaking

- Initial scope of BEAD subgrantee program rules
- OIR planned for February 2023

Public Comment



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THANK YOU!



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