



Budget Update - Broadband



Budget - Related Legislation

SB 156 (Chapter 112, Statutes of 2021)

- \$6 billion for broadband
- \$3.25 billion to build, operate and maintain statewide open-access middle mile network.
- CDT, DOF, CPUC and Caltrans play significant roles
- CDT/ Office of Broadband and Digital Literacy
 - Acquisition and management of contracts for the Middle Mile Network
 - Third Party Administrator
 - Middle Mile Advisory Committee

Additional Information

- 1st Middle Mile Advisory Committee Meeting - August 18
- MMAC webpage: <https://cdt.ca.gov/middle-mile-advisory-committee/>

State Broadband and Digital Literacy Updates



Broadband & Digital Literacy Report

Progress and Schedule of CBC Work

- Executive Order
- Short Term Action Plan Items
- Long Term Action Plan Items

Executive Order Items

Item	Description	Lead	Progress Report	AP Item
1	Pursue minimum Broadband Speeds to guide infrastructure investments	CBC	In progress	1
2	Broadband Action Plan	CBC	Complete	All
3	Data & Mapping Efforts	CPUC	In progress	19
4	Convene private sector companies to understand/predict broadband demand	CDT/DGS/ GO-Biz	In-progress	6
5	Catalogue State and Federal funding opportunities	GOBIZ	Complete	2
6	State Contracting & Procurement	CDT/DGS	In progress	14
7	Installation of conduit and/or fiber into all appropriate and feasible transportation projects along strategic corridors	Caltrans	In progress	4
8	Use existing State programs to accelerate broadband deployment and to leverage utility infrastructure to increase access to existing fiber and cost-effectively deploy new fiber	CPUC	In progress	23c

Executive Order Items

Item	Description	Lead	Progress Report	AP Item
9	Inventory of State property for State broadband infrastructure	DGS	In-progress	7
10	Coordinate with jurisdictions implementing Next-Generation 9-1-1 to expand broadband infrastructure to enhance public safety and disaster preparedness.	CalOES	In progress	8
11	Facilitate new broadband projects that support precision agriculture and food systems in rural communities; and inventory existing broadband connectivity at all fairgrounds.	CDFA	In progress	23d
12	Provide recommendations to the CPUC to increase free or low-cost broadband connectivity at all publicly subsidized housing communities for residential units.	HCD	In progress	13
13	Coordinate outreach efforts of existing statewide programs and institutions to inform residents of affordable Internet service offerings.	GOBIZ	In progress	23
14	Lead statewide efforts to ensure that students have the computing devices and connectivity necessary for distance learning and online instruction.	CDE	In progress	23f
15	Analyze the needs of people ages 60 and older for access to affordable, reliable , high-speed broadband, and to identify program and partnership opportunities.	CDA	In progress	15

Short Term Action Plan Items

Progress Reports Today

- California Public Utilities Commission - Items #1, 9, 11, 17, 19, 20, and 22
- Governor's Office of Business and Economic Development - Item #2
- California Transportation Agency - Item #4 and 5
- California Department of Technology - Item #6 and 21
- Governor's Office of Emergency Services - Item #8
- California Department of Aging - Item #15

Long Term Action Plan Items

- In progress
- Reports at next Council Meeting
- Action Item #24

Broadband & Digital Literacy Report

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Progress To Date

- Caltrans – encroachment permitting and right of way
- Go-Biz – Possibility of Applying Zero Emissions Vehicle Permitting Olympics Process to Broadband
- Federal government – permitting

Next Steps

- Continue working with GO-Biz on local permitting
- Establish semi-annual convening with Service Providers and Local Government
- Federal government – ongoing

Action Plan Updates



California Public Utilities Commission

Action Plan Items #1, 9, 11, 17, 19, 20, 22

Action Plan Item #1

1. Recommend, and adopt shared standards among all state grant-funding and related broadband programs:
 - a. Define broadband with dual definitions.
 - b. Mitigate the problems with federal data.
 - c. Develop criteria for state funding around demonstrated local and tribal government involvement that align with such criteria for federal broadband funding.
 - d. Prioritize funding.

CPUC update on actions implementing Action Plan Item #1

- a. SB156 updated statutory California Advanced Services Fund infrastructure account definitions.
- b. California continues to mitigate problems with federal data including evaluation of broadband at the serviceable location.
- c. Implementation of SB156 will consider criteria for state funding around demonstrated local and tribal government involvement.
- d. SB 156 included provisions on open access, middle-mile infrastructure.

Action Plan Item #9

9. Establish standards for middle-mile and backhaul resilience and reliability.

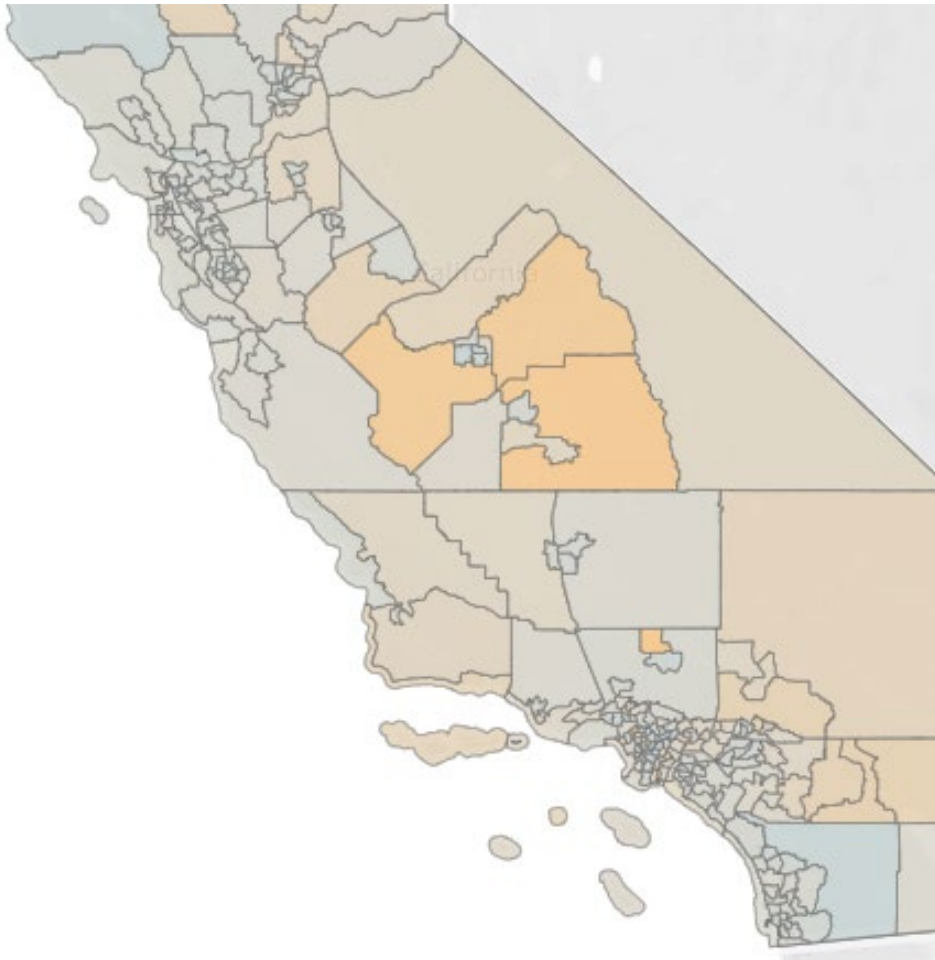
CPUC update on actions implementing Action Plan Item #9

- Ongoing consultation with the California Department of Technology and other agencies to implement SB 156 and statewide middle mile including network resiliency considerations.
- Decisions adopting wireline & wireless resiliency standards in 2021
 - Decision [21-02-029](#) Adopting Wireline Resiliency Standards
 - Decision [20-07-011](#) Adopting Wireless Provider Resiliency Strategies

Action Plan Item #11

11. Within the scope of the CPUC's current proceeding, develop a framework to define essential broadband service affordability standards, evaluate those standards relative to other essential service costs, and develop a range of metrics to provide a comprehensive assessment of households' ability to afford essential broadband service.

CPUC update on actions implementing Action Plan Item #11



- [Essential service affordability interactive map](#)
- Part of the essential service affordability rulemaking at the CPUC
- CPUC Decision 20-07-032 adopted affordability metrics
- Annual Affordability Report published ([April 2021](#))

Action Plan Item #17

17. Provide guidance to local governments and partner with Tribal governments to develop broadband strategies and explore options for increasing competition in their communities.

CPUC update on actions implementing Action Plan Item #17



- CASF has funded two projects with three tribes
 - » Klamath River Rural Broadband Initiative, CASF and USDA funded
 - Partnership between Yurok and Karuk Tribes
 - » Hoopa Valley Broadband Initiative, CASF funded
 - Partnership between Hoopa Valley PUD and Hunter Communications
- Engaged with Tribes hosting 3 FCC Emergency Broadband Benefit and NTIA Tribal Connectivity webinars for California Tribes
- [CASF Tribal Technical Assistance](#)
- Pilot project supports CPUC staff to work directly with Tribal leaders
 - Support to their broadband initiatives in northwest California
- FCC 2.5 GHz/EBS licenses: 37 California Tribes applied
- Item #17 is related to Action Plan item #22 on Technical Assistance

Action Plan Item #19

19. Collect more granular and more accurate broadband data and leverage this information to build out the California Interactive Broadband Map.

CPUC update on actions implementing Action Plan Item #19

- SB 156 included provision that the CPUC consider state and federal mapping.
- Related to the federal implementation of the DATA Act and Broadband Action Plan item #1.

Action Plan Item #20

20. Leverage CPUC cost model to inform broadband planning and investments, project broadband availability based on existing resources, and inform statewide discussions of additional resources required to achieve our broadband goals.

CPUC update on actions implementing Action Plan Item #20

- The 2021-22 budget investment reflects the data driven California Broadband Cost Model analysis.

“The Budget reflects a plan to increase equitable access to high-speed broadband Internet service through a \$6 billion investment to expand broadband infrastructure and enhance access by constructing an open access middle mile and by funding construction of last mile projects that connect unserved households in remote areas to the middle mile.” [2021-22 Enacted Budget Summary](#)

- The California Broadband Cost Model can inform implementation of broadband middle mile and last mile efforts.

Action Plan Item #22

22. Identify additional opportunities to provide technical assistance to local governments, Tribes, nonprofits, and their partners to best leverage local, state, federal, and private funding opportunities.

CPUC update on actions implementing Action Plan Item #22

- Related to Action Plan item 17
- Technical assistance
 - [CASF Tribal Technical Assistance](#)
 - » Funded 14 Tribes with 26 Projects to date
 - » Applications evaluated four times per year.
 - Assembly Bill 164 Budget Act technical assistance to public entities

“technical assistance for the Public Utilities Commission to facilitate completion of the statewide broadband middle-mile network, the allocation of CASF funds for last mile projects, and the formation of municipal entities and agreements for financing of broadband infrastructure.”

- SB 156 Public Utilities Code section 281(b)(5) added provisions on the provision of technical assistance to local governments and providers

Action Plan Item #2

EDA AMERICAN RESCUE PLAN



The American Rescue Plan allocates \$3 billion to EDA in supplemental funding to assist communities nationwide in their efforts to build back better by accelerating the economic recovery from the coronavirus pandemic and building local economies that will be resilient to future economic shocks.

American Rescue Plan funding enables EDA to provide larger, more transformational investments across the nation while utilizing its greatest strengths, including flexible funding to support community-led economic development.

EDA is making a Coal Communities Commitment, designating \$300 million of its \$3 billion American Rescue Plan appropriation to ensure support for these communities as they recover from the pandemic and create new jobs and opportunities, including through the creation or expansion of a new industry sector.

	FOCUS								
	STATEWIDE PLANNING, RESEARCH & NETWORKS \$20M		BUILD BACK BETTER REGIONAL CHALLENGE \$1B		TRAVEL, TOURISM & OUTDOOR RECREATION \$250M		ECONOMIC ADJUSTMENT ASSISTANCE \$500M	INDIGENOUS COMMUNITIES \$100M	GOOD JOBS CHALLENGE \$500M
GOAL	EDA is supporting states in planning efforts, investing in research that assesses the effectiveness of EDA's programs, and supporting stakeholder communities around key EDA initiatives.		This Challenge is designed to assist communities nationwide in their efforts to build back better by accelerating the economic recovery from the coronavirus pandemic and building local economies that will be resilient to future economic shocks. \$700M for Coal Communities		Through state and competitive grant programs, EDA is focused on accelerating the recovery of communities that rely on the travel, tourism and outdoor recreation sectors, which were hard-hit by the pandemic.		This program will help hundreds of communities across the nation plan, build, innovate, and put people back to work through construction or non-construction projects designed to meet local needs. \$200M for Coal Communities	EDA is allocating \$100 million in American Rescue Plan funding specifically for Indigenous communities, which were disproportionately impacted by the pandemic.	This Challenge aims to get Americans back to work by building and strengthening regional systems and sectoral partnerships to train workers with in-demand skills that lead to good-paying jobs.
SPLIT	Planning: \$50M	Research & Networks: \$51M	Phase 1: <\$500k each	Phase 2: \$25-75M, up to \$100M	State grants: \$510M	Competitive: \$240M			
APPLICANTS	State or designated entity	National research & TA providers	All EDA eligibles	Phase 1 finalists	State or designated entity	All EDA eligibles	All EDA eligibles	Tribes and organizations serving Native Hawaiians and Pacific Islanders.	All EDA eligibles
APPLICATION PROCESS	By invitation	Rolling	National competition	National competition	State grants allocation	Rolling	Rolling	Rolling	National competition
APPLICATION DEADLINE	STATE PLANNING GRANTS Application due 60 days after receiving invitation RESEARCH AND NETWORKS GRANTS Suggested application submission date: October 31, 2021		Phase 1 deadline: October 19, 2021 Phase 2 deadline: March 15, 2022		STATE TOURISM GRANTS Application due 60 days after receiving invitation COMPETITIVE TOURISM GRANTS Suggested application submission date: March 15, 2022		Suggested application submission date: March 15, 2022	Suggested application submission date: March 15, 2022	Application deadline: January 26, 2022

California State Transportation Agency

Action Plan Items #4, 5
(no slides)

California Department of Technology

Action Plan Items #6, 21

Action Plan Item #6

6. Explore various actions to enhance permitting processes at all levels of government through meaningful partnerships.

Action Plan Item #21

21. Establish a Broadband for All portal to enable easy access to broadband information and tools and serve as a central repository, including:

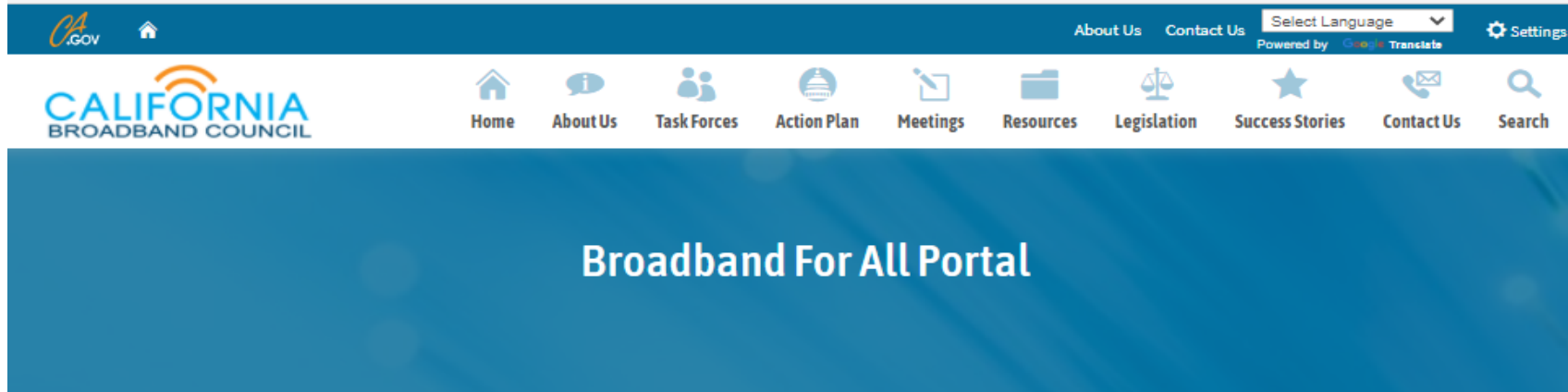
- A page for the public to submit data to validate or dispute broadband mapping data related to speeds and availability.
- Resources and toolkits specific to broadband planning and implementation.
- Digital inclusion plans, initiatives, and best practices.
- Digital skills training tools.
- Information on affordable internet offers and devices.
- State and federal funding opportunities.

Action Plan Item #21

Progress To Date:

- CDT – Alpha Pilot in Progress
- CPUC – Speed Test and Mapping

Broadband For All Web Portal



Welcome to the Broadband For All Portal

This portal has been created in response to Governor Newsom's [Executive Order N-73-20](#) and the California Broadband Council approved [Broadband For All Action Plan](#).

Deploying affordable and reliable broadband networks throughout California will accelerate continuous improvements in economic and workforce development, infrastructure, public safety, education, economy, and an engaged citizenry.

Broadband access, adoption, and training are essential components of digital equity for California's diverse populations.

The portal will serve as a central repository to enable easy access to broadband information and tools to close the digital divide and support the broadband infrastructure deployment and broadband adoption in the State of California.

Explore the Web Portal

- ▶ [Broadband For All](#)
- ▶ [Speed Test](#)
- ▶ [Planning Resources and Toolkit](#)
- ▶ [Digital Inclusion](#)
- ▶ [Digital Skills Training](#)
- ▶ [Affordable Service Programs and Devices](#)
- ▶ [Funding](#)
- ▶ [Action Plan Dashboard](#)
- ▶ [Middle Progress](#)
- ▶ [State Property Inventory](#)

Broadband For All Web Portal

The screenshot shows the 'Speed Test' page of the Broadband For All Web Portal. The page has a blue header with the 'CA.GOV' logo and a navigation menu. Below the header is a white navigation bar with the 'CALIFORNIA BROADBAND COUNCIL' logo and a series of icons for Home, About Us, Task Forces, Action Plan, Meetings, Resources, Legislation, Success Stories, Contact Us, and Search. The main content area has a large blue banner with the text 'Speed Test'. Below the banner, there is a 'Welcome to Speed Test' section with a paragraph about the project and a button for the 'Interactive California Broadband Map'. To the right is a sidebar titled 'Explore the Web Portal' with a list of links. At the bottom, there is a section for 'CalSPEED Wireline and Mobile Apps' with a paragraph about the project and a link to the mobile app.

Speed Test

Welcome to Speed Test

Welcome to California State crowd-sourced broadband speed project

This tool is intended for California residents and entities to submit data to validate or dispute broadband mapping data related to broadband speeds and availability.

[Interactive California Broadband Map](#)

CalSPEED Wireline and Mobile Apps

The CalSPEED project includes consumer smartphone apps to acquire crowdsourced results from consumer tests. Crowdsourced data appears as a selectable data layer on the Interactive Broadband Map and is used for estimating mobile broadband availability. We offer CalSPEED on both the iPhone and on Android devices.

Use our CalSPEED mobile app to measure the quality of your mobile broadband service.

Explore the Web Portal

- ▶ Broadband For All
- ▶ Speed Test
- ▶ Planning Resources and Toolkit
- ▶ Digital Inclusion
- ▶ Digital Skills Training
- ▶ Affordable Service Programs and Devices
- ▶ Funding
- ▶ Action Plan Dashboard
- ▶ Middle Progress
- ▶ State Property Inventory

Action Plan Item #8

Action Plan Item #8

8. Regularly coordinate and convene jurisdictions implementing next-generation 911 to expand broadband infrastructure to enhance public safety and disaster preparedness, response, recovery, and mitigation capabilities.

- CalOES has requested providers provide connectivity to Public Safety Answering Points that need redundant service for 9-1-1 resiliency.
- 9-1-1 Leadership attended National Emergency Number Association (NENA) Conference.
- Efforts progressing.

California Department of Aging

Action Plan Item #15

California Department of Aging

Tablet Pilot

- Deploying 4,000 tablets to individuals experiencing loneliness and isolation.
- Partnering with USC to evaluate the effectiveness of the tablets to reduce loneliness and isolation among older adults.
- Currently meeting with a variety of digital literacy and education providers to provide training to older adults for setup and use of their tablets and specifically to use their tablets to social connection and engagement.
- Plan to deploy the tablets to recipients in October.

New Digital Divide Investments

- The Budget Act includes \$17 million for CDA to purchase additional digital devices, service plans, and training for older adults.
- The Budget also includes \$50 million for the Child Welfare Directors Association (CWDA) to provide tablets to adults and individuals with disabilities. CDA will be partnering with CWDA on this project.
- This month, CDA will be recruiting for a new position included in the budget of Digital Divide Project Lead.

The background is a vibrant, abstract composition. It features a gradient of light blue and white at the top, transitioning into a deeper blue at the bottom. Numerous thin, white, diagonal streaks radiate from the bottom left towards the top right, creating a sense of motion and energy. Scattered throughout the image are many small, out-of-focus white circles, resembling bokeh or distant stars. The overall effect is bright, clean, and modern.

Thank You!