

California Advanced Services Fund



Public Workshop
April 19, 2022



California Public
Utilities Commission

Agenda

10:00-10:15	Welcome, Introduction and Legislative Changes to CASF Program
10:15-10:25	Commissioner Darcie L. Houck, Opening Remarks
10:25-10:35	Broadband Initiative, State & Federal Funding Program Overview
10:35-11:25	Funding Local Broadband Networks Interactive Panel
11:25-11:40	15-minute break
11:40-12:45	Introduction of CASF Infrastructure Grant Program
11:45-12:15	Infrastructure Grant Account/Mapping/Line Extension Presentations
12:15-12:45	Lessons Learned Panel (special guest speakers)
12:45-1:00	15-minute break
1:00 - 1:05	Introduction of CASF Public Housing, Consortia, and Adoption Accounts
1:05 – 1:30	Public Housing, Consortia, and Adoption Accounts Presentations
1:30 – 1:50	Q&A
1:50 – 2:00	Wrap Up / Next Steps / Adjourn

Legislative Changes for CASF

- Extends the CASF program goal to December 31, 2032
- Extends the CASF surcharge
- Redefines “unserved area”
- Priority to areas with slow or no internet
- Serviceable locations
- Eliminates “indispensable middle-mile” language
- Eliminates prerequisites for local agency infrastructure grants
- Expands the Public Housing Account eligibility



CASF Plans for 2022 (Key Highlights)

- Funding allocations for Adoption, Consortia, Infrastructure, Public Housing and Tribal Technical Assistance
- Continue to implement legislative changes
- New application cycles
- Disposition of the Rural Digital Opportunity Fund (RDOF) Kicker applications



Introduction



**Commissioner
Darcie L. Houck**



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Broadband Initiative, State and Federal Funding Program Overview

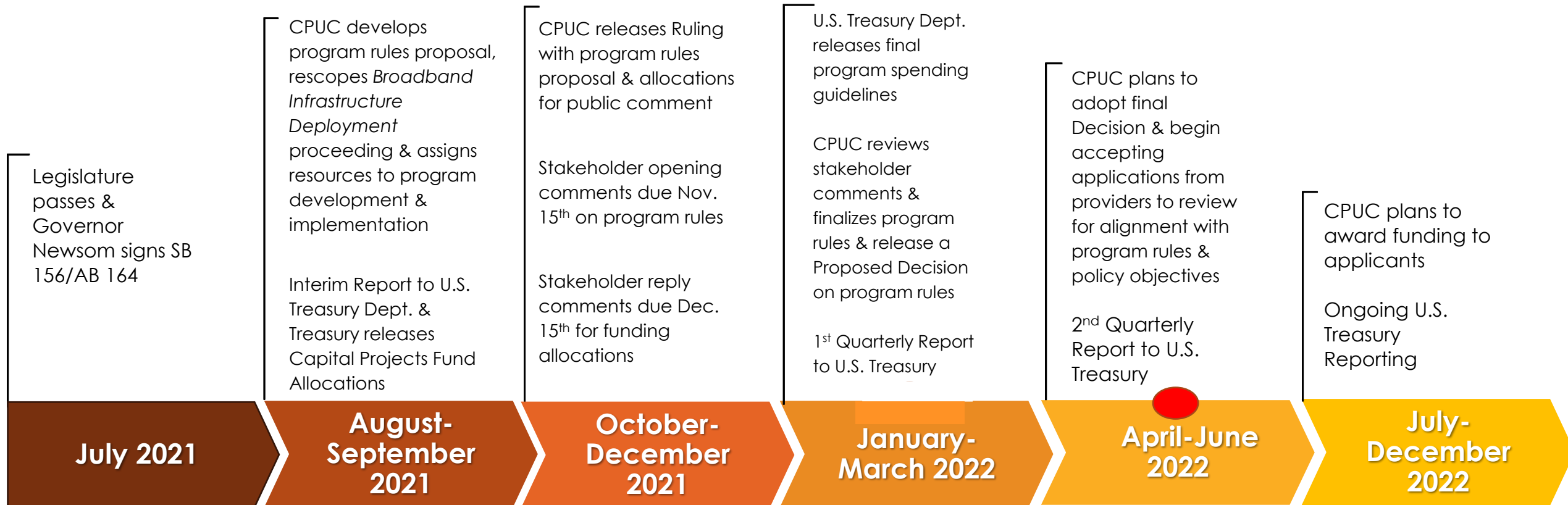
Robert Osborn
Director
Communications Division



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Federal Funding Account Timeline



CPUC *Broadband Infrastructure Deployment Proceeding* (R. 20-09-001)

- Formal public process and venue for developing and updating middle-mile mapping analysis and data
- Also serves as the public forum for developing rules for the last-mile program



Local Agency Technical Assistance Timeline



CPUC California Advanced Services Fund (CASF) Proceeding (R. 20-08-021)

- Formal public process and venue for CASF Public Housing, Infrastructure, Consortia, and Adoption Accounts as well as Technical Assistance and Loan Loss Reserve Account.



Loan Loss Reserve Timeline

Legislature passes & Governor Newsom signs SB 156/AB 164

CPUC conducts stakeholder outreach, develops program rules & assigns resources to program development & implementation

CPUC plans to release draft Loan Loss Reserve program rules for stakeholder comment

CPUC compiles & analyzes stakeholders' comments & plans to release Proposed Decision on Loan Loss Reserve program rules

CPUC expects to vote on & adopt final Loan Loss Reserve program rules

CPUC expects to open funding cycles for the Loan Loss Reserve program

July 2021

July 2021-July 2022

August 2022

October-December 2022

January-March 2023

April-June 2023

CPUC California Advanced Services Fund (CASF) Proceeding (R. 20-08-021)

- Formal public process and venue for CASF Public Housing, Infrastructure, Consortia, and Adoption Accounts as well as Technical Assistance and Loan Loss Reserve Account.



California Advanced Service Fund Timeline



CPUC California Advanced Services Fund (CASF) Proceeding (R. 20-08-021)

- Formal public process and venue for CASF Public Housing, Infrastructure, Consortia, and Adoption Accounts as well as Technical Assistance and Loan Loss Reserve Account.

Broadband Interactive Panel (Financing Public Broadband Projects)

Kevin Short, General Manager, Anza Electric Cooperative

Keith Taylor, UC Davis, Department of Community & Regional Development

Ryan Johnston, Policy Counsel, Next Century Cities

Christopher Mitchell, Director, Institute for Local Self Reliance

Overview of CASF Infrastructure Team

Louise Fischer, Supervisor, CASF Infrastructure & Market Analysis Section



CASF Infrastructure Presenters

Program Updates and Rulemaking R.20-08-021

Phil Enis, Analyst

The Broadband Data Collection and Mapping Program

Tito Vandermeijden, Research Data Specialist (GIS)

Alex Abramson, Analyst

Line Extension Program

Vince Coppey, Analyst



Contact Information

- CASF Application Questions: CASF_Application_Questions@cpuc.ca.gov
- Correspondence/Questions regarding approved projects: CASF_Infrastructure_Grant_Administrator@cpuc.ca.gov
- Line Extension inquiries: CASFLineExtensionProgram@cpuc.ca.gov
- CASF Workshop inquiries: CASF_Workshop@cpuc.ca.gov
- Broadband Mapping inquiries: Broadbandmapping@cpuc.ca.gov

CASF Broadband Infrastructure Grant Account

Provides grants to eligible applicants to build and deploy broadband networks in underserved areas throughout the State. The goal of the program is to provide broadband access to no less than 98 percent of California households in each consortia region by 2032.



CASF Broadband Infrastructure Grant Account

2021 Program Accomplishments

- Commission Authorized 21 Grants via Resolutions
 - \$93.0 million to provide broadband to 3,962 households at speeds of 100 Mbps down/20 Mbps up in 15 Counties
 - For grants containing funding for middle mile components – open access is required as well as coordination/approval with California Dept. of Technology
- Reimbursements to Grantees of \$17.5 MM for 18 Projects
- Projects Completed in 2021
 - 6 projects in 5 Counties
 - Broadband facilities have been built to 1,725 previously-unserved households



CASF Broadband Infrastructure Grant Account

Planning for 2022 and Beyond

- Revise Program Guidelines in R.20-08-021
 - Pursuant to SB-156, AB-14, SB-4
 - Based on program experience in the 2019/2020 application cycles

- Current Timelines
 - Pursuant to Assigned Commissioner's 2nd Amended Scoping Memo and Ruling
 - Anticipated final Order on Phase IIIA CASF Infrastructure rules – Q3 2022
 - Anticipated final Order on Phase IIIB CASF Line Extension rules – Q4 2022
 - Next application cycle anticipated – Q3 2022

The Broadband Data Collection and Mapping Program

Alex Abramson / Tito Vandermeijden



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The Broadband Data Collection And Mapping Program

Accomplishments in 2021

➤ Broadband Data Collection

- Collected data from 164 Broadband Providers
 - 159 Fixed Providers (Wireless, Wireline, and Wire-WISP)
 - 5 Mobile Providers
- Changes to the Annual Broadband Data Collection
 - Required Census information to vintage 2020 – ahead of the FCC
 - Introduction of the Broadband Data Portal
 - Data verified in real time so Providers can correct and upload their data via the portal to the Commission

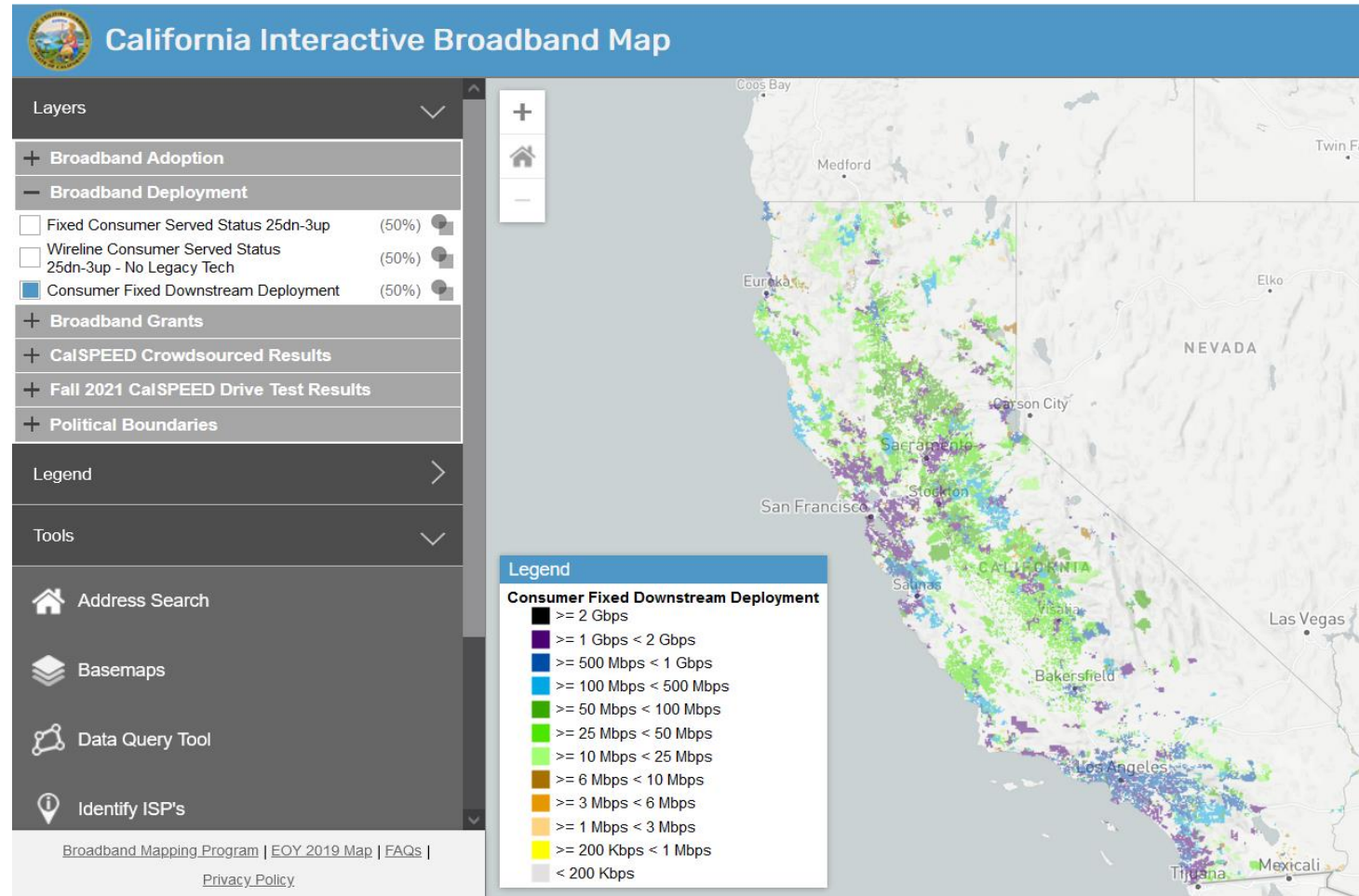
The Broadband Data Collection And Mapping Program

Updates in 2021, Going into 2022

- Broadband Map: broadbandmap.ca.gov
 - Data Layers:
 - Broadband Deployment data as of December 31, 2020
 - Served Status layers with 'Served' defined as at least 25/3 Mbps
 - From 2010 vintage geography to 2020
 - American Community Survey (ACS) information (updated March 2022)
 - Updated Anchor Institution information
 - User Interface, Layers streamlined, FAQs, and more updates upcoming!

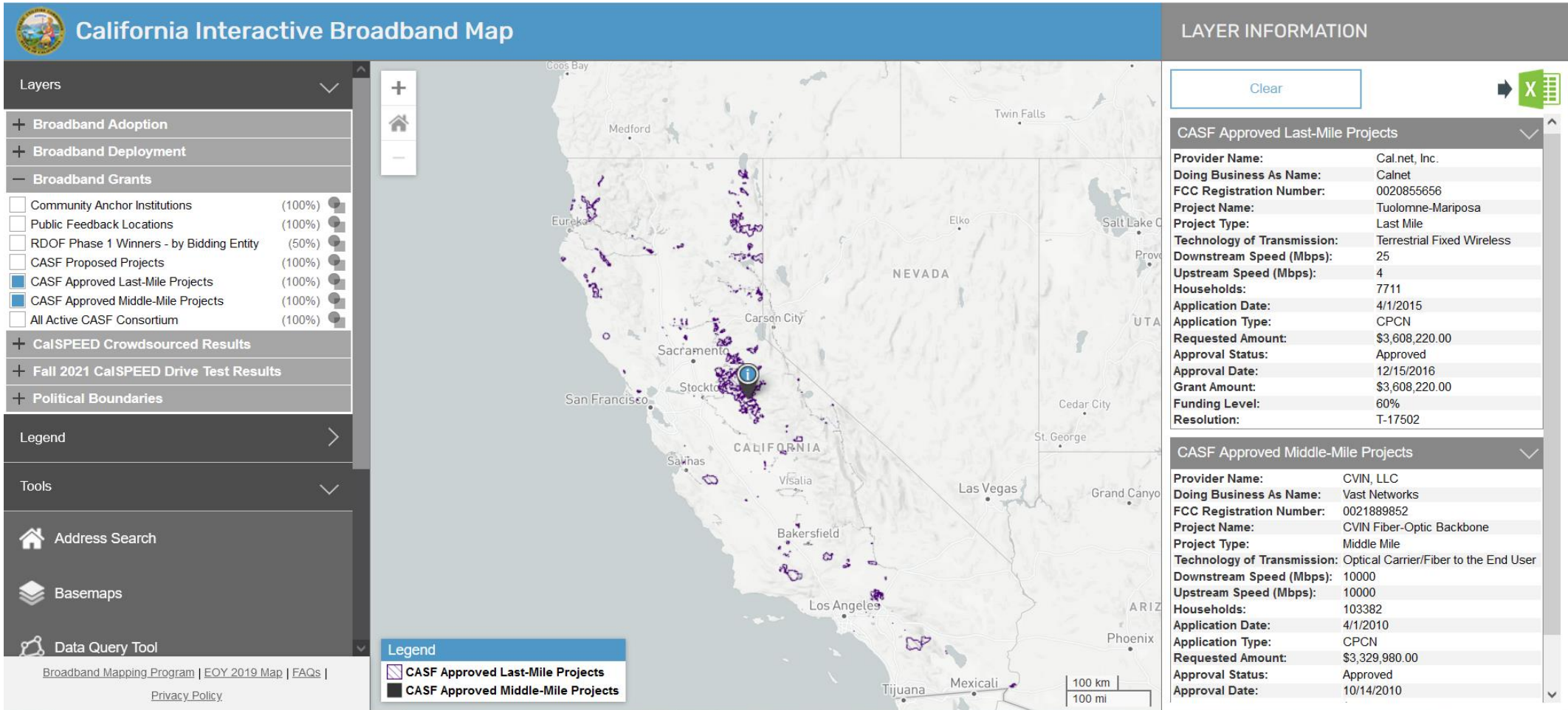
The Broadband Data Collection And Mapping Program

Updates in 2021, Going into 2022




The Broadband Data Collection And Mapping Program

Updates in 2021, Going into 2022



The Broadband Data Collection And Mapping Program

Updates in 2021, Going into 2022

**California Interactive Broadband Map**

Layers

+ Broadband Adoption

+ Broadband Deployment

+ Broadband Grants

+ CalSPEED Crowdsourced Results

+ Fall 2021 CalSPEED Drive Test Results

+ Political Boundaries

Legend

Tools

Address Search

Basemaps

Data Query Tool

Identify ISP's

Print Map

Broadband Mapping Program | EOY 2019 Map | FAQs | Privacy Policy

American Legion Hall - Post 801

Ski Inn

Bombay Market

Seaside Baptist Church

Bombay Beach

DATA QUERY TOOL

Select Draw Tool

Clear

Get Features

Blocks Found: 32

Block Groups Found: 1

Census Tracts Found: 1

Anchors Found: 1

Blocks

Block Groups

Census Tracts

Anchors

Full Census Block Group Code:

060250124002

Name:

Block Group 2

Land Area (Square Meters):

79,672,874

Water Area (Square Meters):

197,563,361

Area (Square Miles):

107.041516

Population 2020:

258

Households 2020:

144

Housing Units 2020:

381

200% Federal Poverty Level:

40.9%

Median Household Income:

\$23,000.00

Per Capita Income:

\$22,629.00

Median Age:

76.7

Average Household Size:

2.44

Bachelor's Degree or Higher (Population 25 and Older):

12.7%

Highschool Diploma or Higher (Population 25 and Older):

94.6%

Limited English Households:

6.8%

Home Ownership Rate:

84.1%

100 m

500 ft

Line Extension Program

Provides grants to individual low-income households or property owners to offset the costs of connecting to an existing or proposed facility-based broadband provider



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Line Extension Program

\$5 million funding

- Implemented in 2019 with \$5 million allocated from the Infrastructure account. Since 2019, two projects have been awarded for \$5.3K and \$292K

Eligibility

- Individual household/property owner can apply for grant to offset costs (up to \$9,300 wireline and \$500 wireless) to connect to an existing or proposed facility-based broadband provider up.
- Customers currently must meet low-income threshold (CARE, LifeLine) or be issued an exemption by Commissioners (via Resolution).

2021 Cycle

Awarded \$292K to San Jerardo Farmworkers Cooperative in Monterey County. Investigating potential changes in upcoming Rulemaking to increase participation in the program.

CASF Grantees – Lessons Learned

San Jerardo Line Extension Project

- Horacio Arezquita, General Manager, San Jerardo Farm Workers Cooperative
- James Hackett, VP, Cruzio Internet

LCB Light Saber Project

- Elise Brentnall, President & COO, South Valley Internet

Introduction of CASF Consortia, Adoption, Public Housing Accounts

James Tang, Supervisor, CASF Adoption and
Access



CASF Adoption and Access Presenters

Broadband Public Housing Account

Taylor Cheim, Analyst

Steven Oh, Senior Telecommunications Engineer

Rural and Urban Regional Broadband Consortia Account

Lingbo “Grace” Liu, Analyst

Broadband Adoption Account

William “Bill” Goedecke, Analyst



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California Advanced Services Fund Broadband Public Housing Account

Provides grants dedicated to broadband connectivity to publicly supported housing developments, and other housing developments or mobile-home parks with low-income residents

Taylor Cheim, Analyst

Steven Oh, Senior Telecommunications Engineer



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Public Housing Account Background Up to 2021

\$25 million funding

- Assembly Bill (AB) 1299 established the account; extended by SB 745
- \$20M allocated for infrastructure projects and \$5M for adoption projects

Eligibility

- Publicly supported community (PSC) that is wholly owned by a public housing agency
- Incorporated non-profit organization 501(c)(3) that has received public funding to subsidize housing construction or maintenance costs

Projects

- The CPUC has approved a total of 322 infrastructure project and 128 adoption projects for \$13.9M
- 418 projects are presently completed, and 32 active projects
- Connected 21,268 affordable housing units across 31 counties.
- Provided digital literacy training to 128 project locations with 28,652 residents in total.

Highlights of Changes from Recent Legislation

- Senate Bill (SB) 156 was signed into law by Governor Newsom on July 20, 2021. Amends Public Utilities Code section 281
- Expands eligibility to include publicly supported housing developments, and other housing developments or mobile-home parks with low-income residents
- Sec 281 (i) (3)–eliminated unserved. Eligible locations are no longer limited to publicly subsidized multifamily housing developments and are no longer limited to unserved housing developments that had not denied a right of access to any broadband provider willing to connect to the facility
- Funding will be available to low-income communities to finance projects to connect broadband networks that offer free broadband service that meets or exceeds state standards, if the low-income community does not have access to any broadband service provider that offers free broadband service that meets or exceeds state standards

Proposed Changes

- \$10 million funding for FY 22/23 to finance infrastructure projects
- Biannual application windows (July 1, 2022, January 1, 2023, and so forth)
- Remove the challenge process – (statute no longer requires a community to demonstrate that it has not denied a right of access to any broadband provider willing to connect or that it is unserved)
- Adopt eligibility rules for Publicly supported housing developments
- Planned Staff Proposal to further develop eligibility/definitions for other housing developments including mobile home parks

Proposed Changes - continued

- Free broadband service to residents of a low-income community.
- Minimum 25 Mbps download and 3 Mbps upload and maintain consistency with FCC.
- Minimum 802.11AC Wave2 (WiFi-5 wave2) or 802.11ax (WiFi-6/6E).
- Ministerial review cap increase from \$75,000 to \$150,000.

Next Steps

- Implementation in existing CASF proceeding (R.20-08-021)
- Stay informed by joining:
 - Commission's Formal Proceeding Subscription Service (FPSS):
<http://subscribecpuc.cpuc.ca.gov/fpss/default.aspx>
 - To be added to the CASF Distribution List please email:
CASF_Adoption@cpuc.ca.gov



Rural and Urban Regional Broadband Consortia Account

Provides grants to regional consortia to facilitate the deployment of broadband by assisting infrastructure grant applicants in the project development or grant application process

Lingbo “Grace” Liu, Analyst



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Consortia Account

Funding

- Funding to date: \$25 million authorized funding, \$18.7 million awarded for assisting infrastructure and adoption projects
- Proposed \$10.71 million new allocation in Fiscal Year 2022 - 2023
- Proposed increasing maximum funding cap to \$200,000 per year per consortium

Eligibility

- Local and regional government, public safety, elementary and secondary education, health care, libraries, postsecondary education, community-based organizations, tourism, parks and recreation, agricultural, business, workforce organizations, and air pollution control or air quality management districts.

13 Active Consortia

From the last three cycles, including:

- 9 Consortia grants approved from the 2019 cycle
- 3 Consortia grants approved from the 2020 cycle
- 1 Consortia grant approved from the latest 2021 cycle
- Proposed funding of \$10.71M in FY 22/23 with the proposed solicitation opening on June 1, 2022, applications due July 15, 2022

Rulemaking 20-08-021 Proposed Changes to Consortia Account

Item	Current Rule	Proposed Rule
Allowable Consortia Activities	Currently, the Consortia Account will only fund grants to facilitate the deployment of broadband services by assisting CASF infrastructure grant applicants in the project development or grant application process.	Recent legislation established the Federal Funding Account, the Local Agency Technical Assistance Program, and a Broadband Loan Loss Reserve Fund, among other provisions. The proposed rule expands the scope of allowable Consortia activities to assist broadband deployment projects related to these new programs created under SB 156 and AB 164.
Annual Maximum Funding Cap	The current annual maximum funding cap is \$150,000 per year per consortium.	The proposed rule increases the annual maximum funding cap to \$200,000 per year per consortium.
Consortia Regional Boundary Requirements	The current rule provides general guidelines on Consortia region boundaries. However, the current rules do not define county lines related to Consortia region boundaries and do not clarify county representation.	The proposed rule requires Consortia boundaries to coincide with county boundaries in most cases. However, in certain cases, such as hard-to-serve areas due to geographic characteristics/barriers, it allows Consortia boundaries not to coincide with county boundaries, as long as the areas do not overlap with other Consortia regions. Preference will be given to applications that serve an entire county or several entire counties, as opposed to a portion of a county.

California Advanced Services Fund Broadband Adoption Account

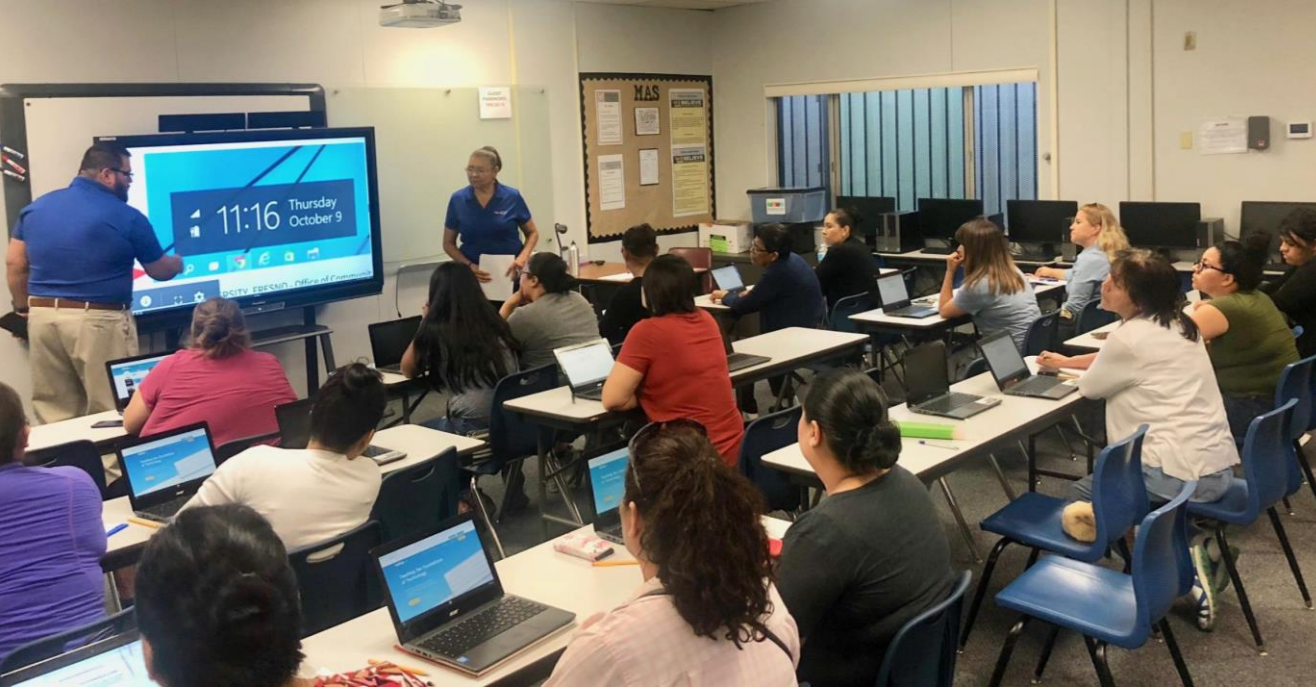
Provides grants to local governments, senior centers, schools, public libraries, nonprofit organizations, and community-based organizations with programs to increase publicly available or after-school broadband access and digital inclusion, such as digital literacy training programs

William “Bill” Goedecke, Analyst



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Funding to Date



\$20 million initial funding

- \$11.9M awarded since inception for 212 digital inclusion and broadband access projects serving 290,752 participants in 30 counties
- Distributed \$5 million to the CDE to distribute devices to schools
- \$1.4M awarded in 2021 for 33 projects



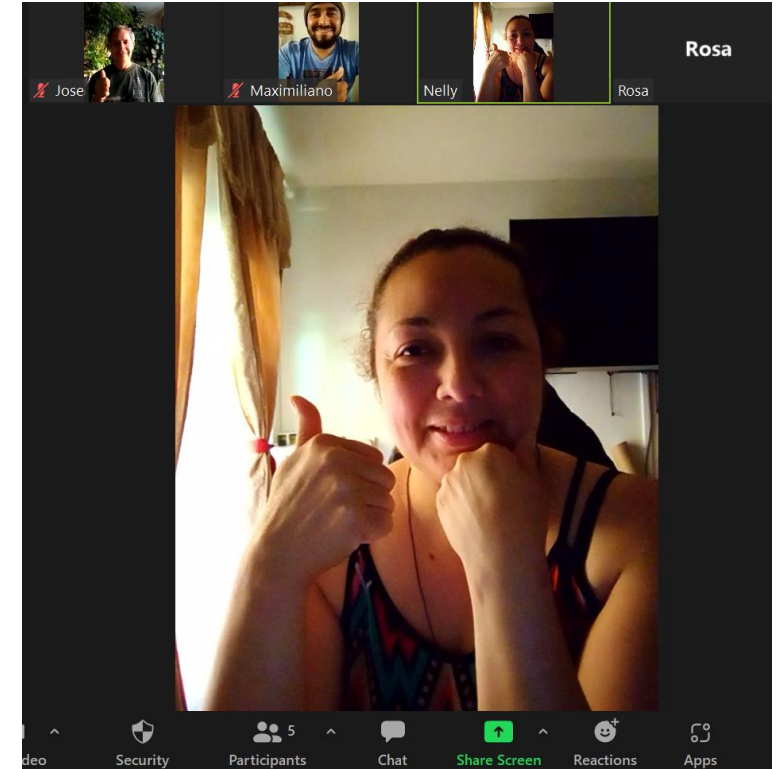
Proposed Changes to Funding

Funding limits per participant

- Adopt per-participant cost cap.
- Projects may be funded at a higher, per-participant, level if approved by Commission resolution

Funding limit per project

- Increase ministerial review cap to \$150,000
- Approval of higher amounts by Commission resolution



Proposed Changes to Eligible Expenses, Subsidy Levels



- Expanding network equipment
- Include and define administrative costs
- Increase per device and per project reimbursement caps for take-home and in-classroom computers
- Allow hot spots to be eligible and define hot spot caps



Other Proposed Changes:

- Ministerial review approval requires an applicant to have experience with digital literacy or broadband access projects; non-profit organizations need to have been in existence for at least one year
- Payment requests not tied to milestone reporting
- Allow grantees flexibility to reallocate project funds within workplan
- Project proposals can be rejected by staff under specific conditions



Next Steps

- Proposed funding of \$19M in FY 22/23.
- Proposed biannual application windows (July 2022, January 2023, and so forth).



Q&A

Questions: dial 800-857-1917
Public Passcode: 1673482#



Wrap Up / Next Steps



Thank You!



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