

California Advanced Services Fund




INFRASTRUCTURE "OFFICE HOURS" WEBINAR #2 JULY 10, 2025



California Public
Utilities Commission

INFRASTRUCTURE "OFFICE HOURS" WEBINAR 1



CALIFORNIA
Public Utilities Commission

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CASF Broadband Infrastructure Grant Account

Program Overview

Pursuant to [Public Utilities Code section 281](#), moneys in the California Advanced Services Fund (CASF) Broadband Infrastructure Grant Account (Infrastructure Account) are available to the Commission to award grants to subsidize the cost of middle-mile and last-mile infrastructure to expand the State's broadband network.

Program Updates

On November 18, 2022, the CPUC issued [Decision \(D.\) 22-11-023](#) modifying CASF requirements and guidelines for the Broadband Infrastructure Grant Account.

On July 20, 2021, Governor Newsom signed [Senate Bill \(SB\) 156](#). These changes became effective on July 20, 2021. The relevant changes to the Broadband Infrastructure Grant Account are as follows:

- "Unserved area" changed to an area where no facility-based broadband provider serves households (or areas) at a minimum speed of at least 25 mbps downstream and 3 mbps upstream. See [Public Utilities Code Section 281\(b\)\(1\)\(B\)\(ii\)](#).
- Projects funded by the CASF program must deploy infrastructure capable of providing broadband access at speeds of a minimum of 100 mbps downstream and 20 mbps upstream. See [Public Utilities Code Section 281\(f\)\(5\)](#).
- All grantees must report licensed contractor or subcontractor expenditures in excess of \$25,000 for work funded by CASF. See [Public Utilities Code Section 281\(f\)\(1-2\)](#).

Project Proposals and Funded Projects

[Project Summaries](#)

[Approved Projects](#)

Application Resources

PROGRAM RULES AND GUIDELINES

Decision (D.) 22-11-023:
[Attachment 1 - Revised CASF Program Guidelines for the Broadband Infrastructure Grant Account](#)

PROJECT DEVELOPMENT RESOURCES

[Project Development Resources - Data & Maps](#) - Geographic and data resources for project planning and submission of infrastructure grant applications

APPLYING FOR FUNDS

Prospective applicants and stakeholders - please consult your local [Broadband Consortium](#) first before contacting CASF Infrastructure Staff for information.

To prepare an application for funding, follow instructions included in [Attachment 1 - Revised CASF Program Guidelines](#)

CASF BROADBAND INFRASTRUCTURE GRANT ACCOUNT

[CASF Infrastructure Approved Projects](#)

RELATED TOPICS
[Broadband and Telecommunications](#)

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ADDITIONAL RESOURCES

APPLICATION OVERVIEW WEBINAR

July 10, 2025 Webinar

- [Flyer](#)

May 28, 2025 Webinar

- [Flyer](#)
- [Video](#)
- [Slides](#)

March 22, 2023 Webinar

- [Flyer](#)
- [Agenda](#)
- [Video](#)
- [Slides](#)

FORMS AND TEMPLATES

Agenda

10:30-10:35	Introduction Heyward Daluz, Regulatory Analyst
10:35-10:50	California Interactive Broadband Map Updates Zhuoying Liu, Research Data Analyst
10:50-11:05	Project Location Data and Submission Requirements Benjamin Swearingen, Regulatory Analyst
11:05-11:30	Q&A Rosa Sauer, Regulatory Analyst Jayson Santos, Senior Telecommunications Engineer

Submit questions to casf_workshop@cpuc.ca.gov

CASF Broadband Infrastructure Grant Account

Planning for 2025 and Beyond

➤ Current Timelines

Event	Date
Broadband Availability Map Published	July 2025
CASF Infrastructure Account Application Deadline	October 31, 2025
Deadline for Staff to post Application Summaries and Maps to CPUC website and notify CASF Distribution List	November 14, 2025
Deadline for Challenge Submissions	December 5, 2025
Deadline for Application Approvals Under Ministerial Review	March 31, 2026
Deadline for Publishing Draft Resolutions Recommending Project Approval	May 15, 2026

Broadband Map Updates

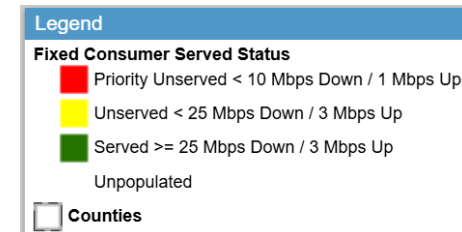
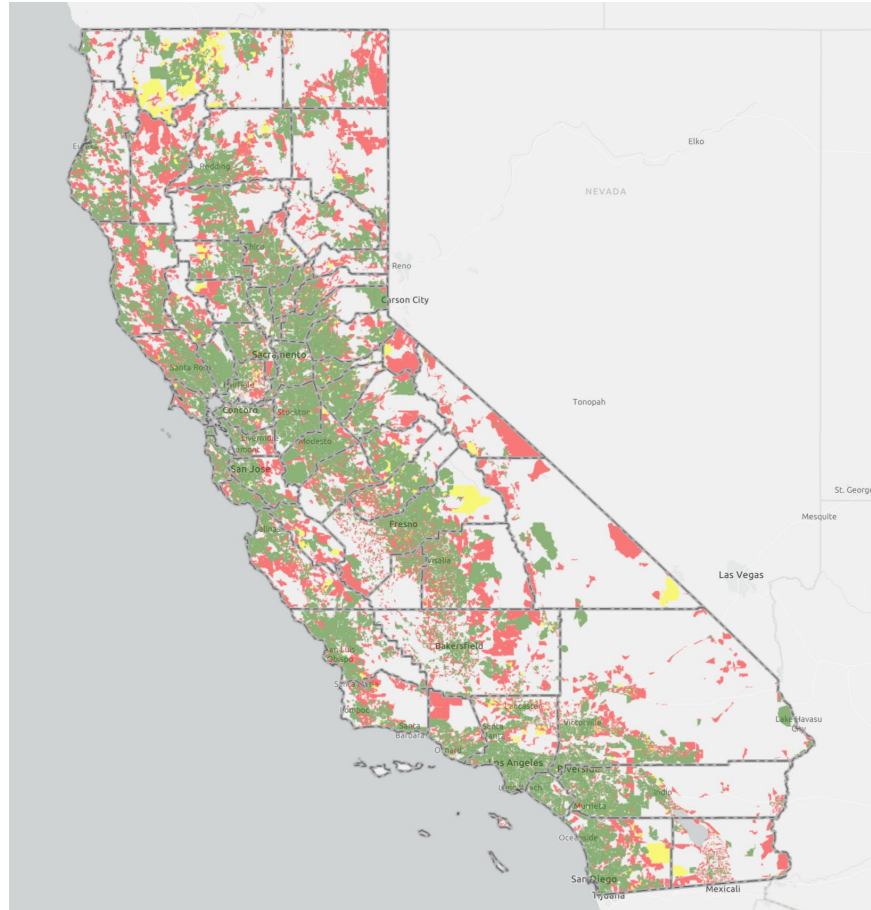
Zhuoying Liu, Research Data Analyst



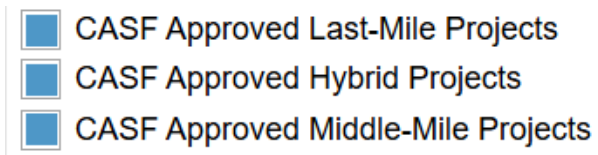
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California Interactive Broadband Map

Fixed Consumer Served Status



California Interactive Broadband Map - CASF Grant Layers



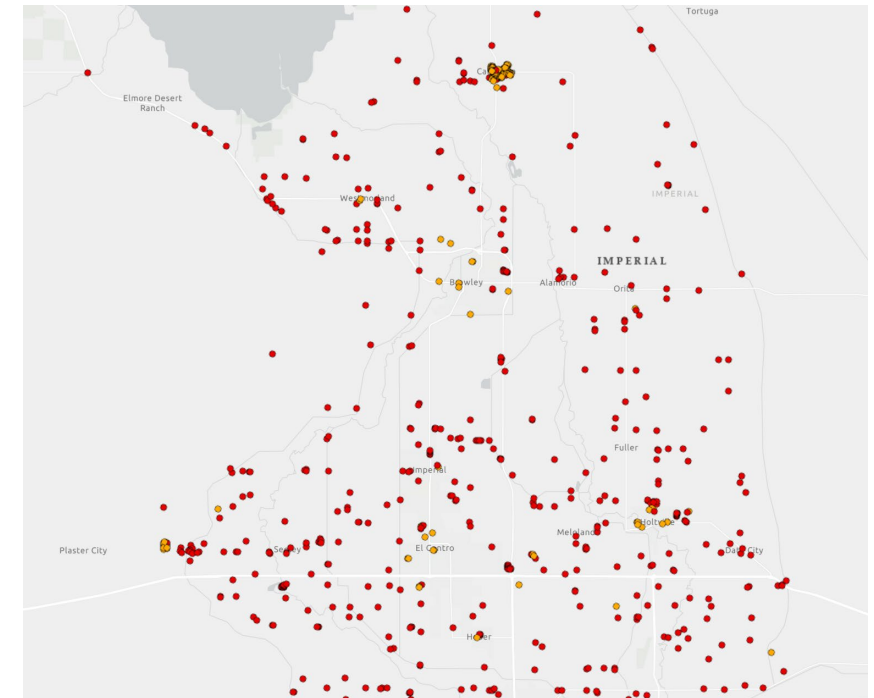
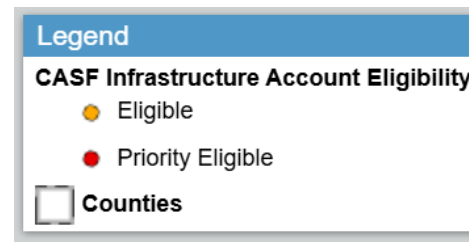
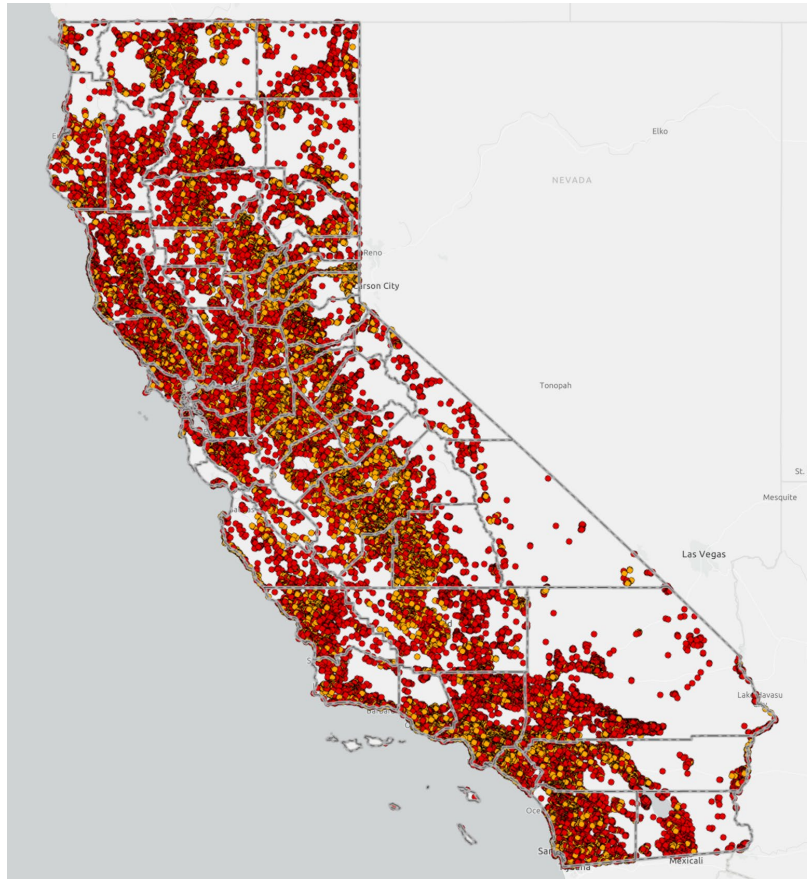
Examples: Project properties

CASF Approved Hybrid Projects	
Provider Name:	LCB Communications, LLC
Doing Business As Name:	LCB Communications
FCC Registration Number:	23325780
Project Name:	Aromas San Juan Project
Project Type:	Hybrid
Technology of Transmission:	Optical Carrier/Fiber to the end user/Terrestrial Fixed Wireless
Downstream Speed (Mbps):	5000
Upstream Speed (Mbps):	5000
Households:	1101
Application Date:	6/1/2023
Application Type:	CPCN
Requested Amount:	\$29,482,766.00
Approval Status:	Approved
Approval Date:	6/20/2024
Grant Amount:	\$29,482,766.00
Funding Level:	100%
Resolution:	T-17817

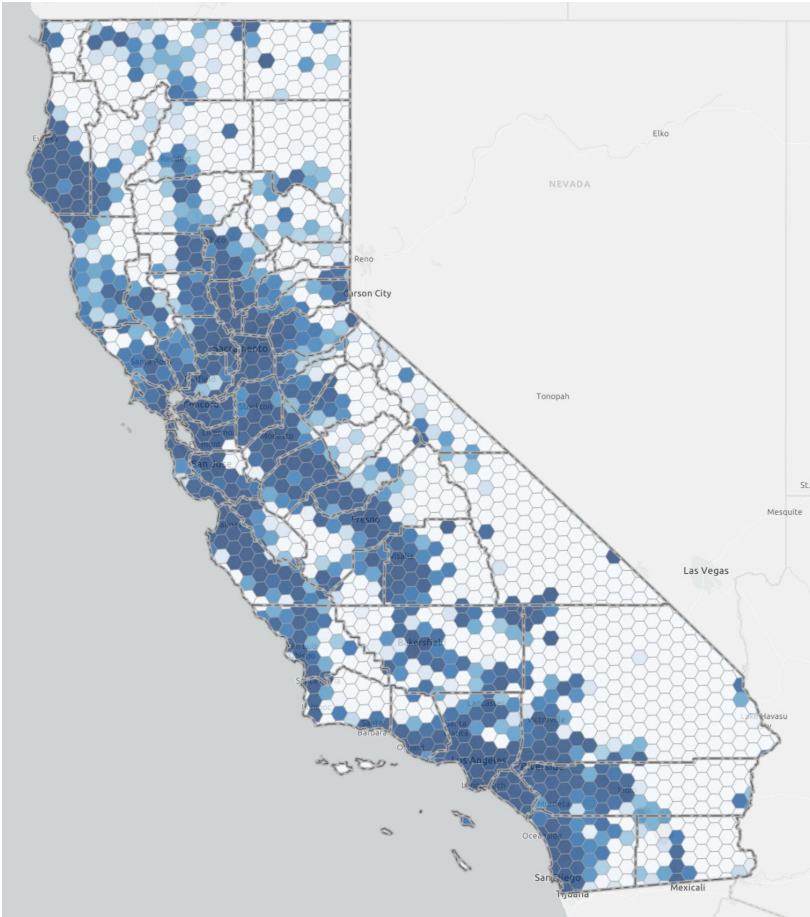
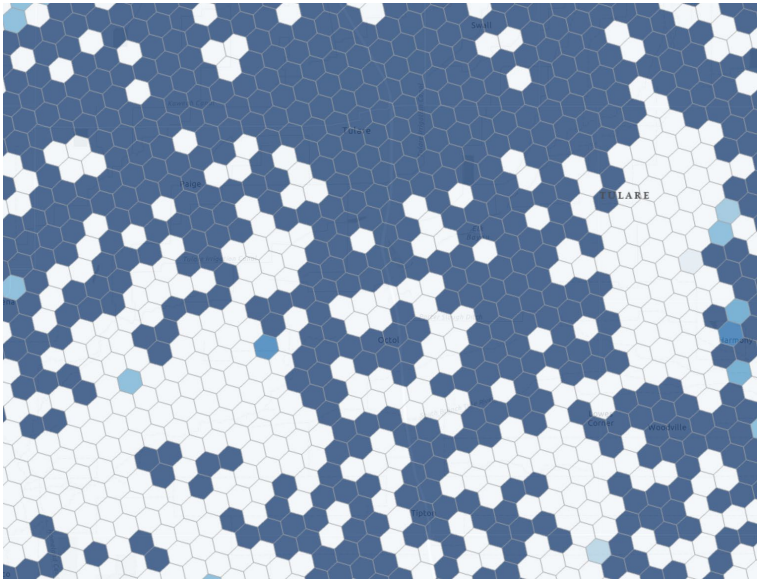
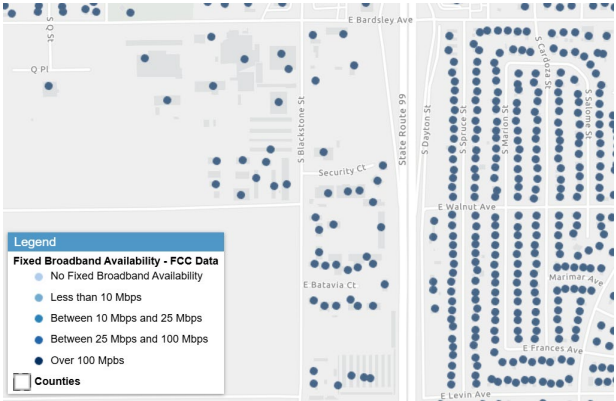
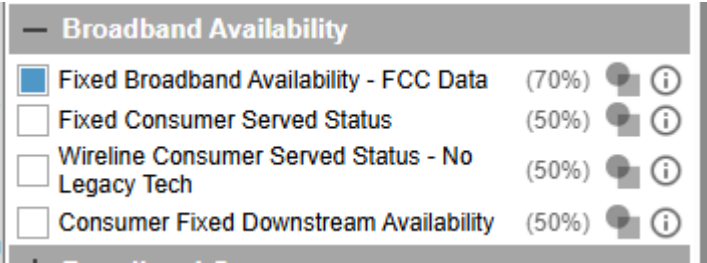
CASF Approved Middle-Mile Projects	
Provider Name:	Sunesys
Doing Business As Name:	Sunesys
FCC Registration Number:	11588746
Project Name:	Connected Central Coast
Project Type:	Middle Mile
Technology of Transmission:	Optical Carrier/Fiber to the End User
Downstream Speed (Mbps):	100
Upstream Speed (Mbps):	100
Households:	11124
Application Date:	2/1/2013
Application Type:	CPCN
Requested Amount:	\$10,640,000.00
Approval Status:	Approved
Approval Date:	4/10/2014
Grant Amount:	\$5,596,943.00
Funding Level:	80%
Resolution:	T-17429
CASF_OID:	66

CASF Approved Last-Mile Projects	
Provider Name:	Pinnacles Telephone Company
Doing Business As Name:	Pinnacles
FCC Registration Number:	1537133
Project Name:	Pinnacles Monument
Project Type:	Last Mile
Technology of Transmission:	Optical carrier/Asymmetric xDSL
Downstream Speed (Mbps):	6
Upstream Speed (Mbps):	1
Households:	47
Application Date:	2/1/2013
Application Type:	CPCN
Requested Amount:	\$195,299.00
Approval Status:	Approved
Approval Date:	10/31/2013
Grant Amount:	\$195,299.00
Funding Level:	60%
Resolution:	T-17420

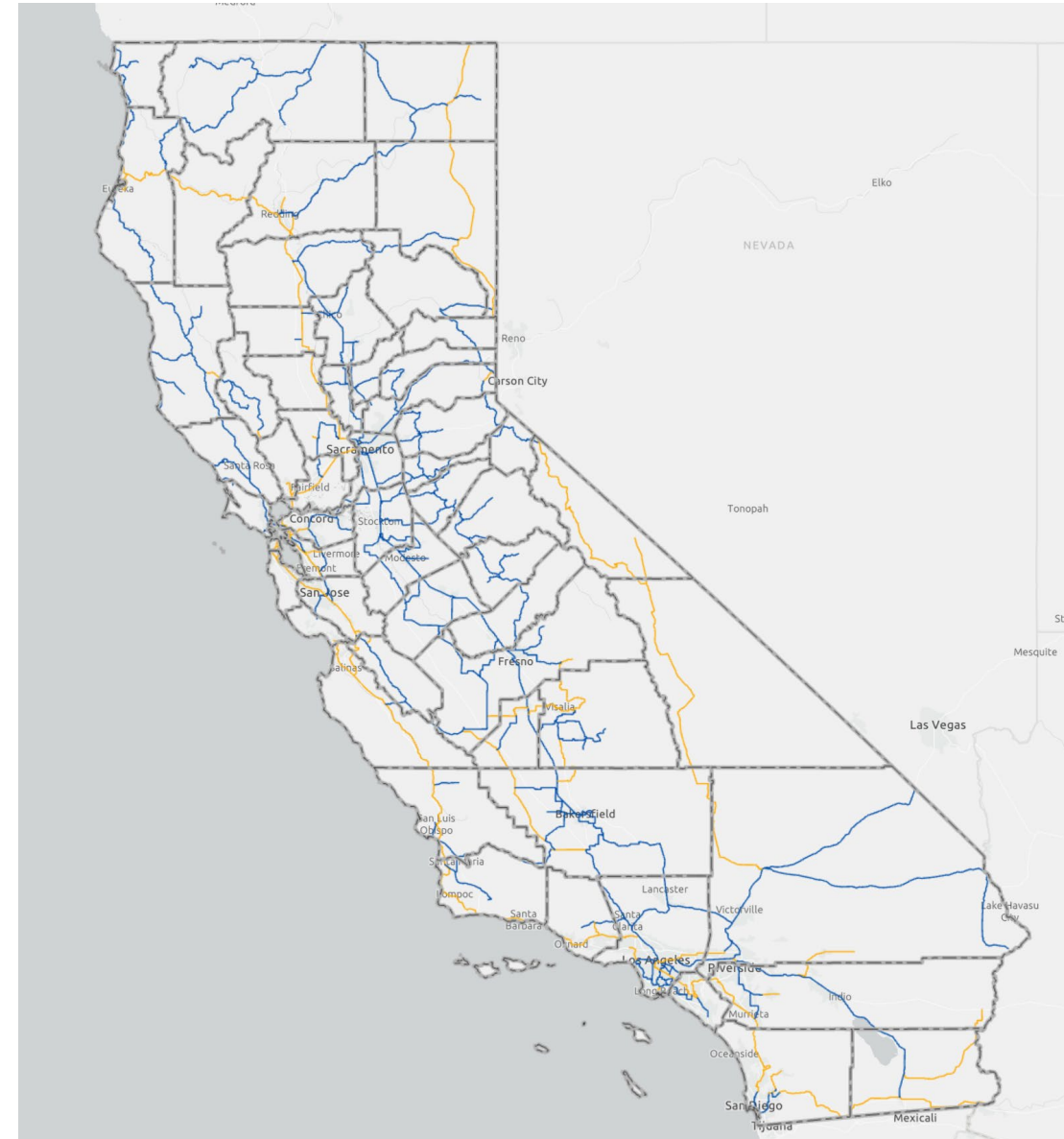
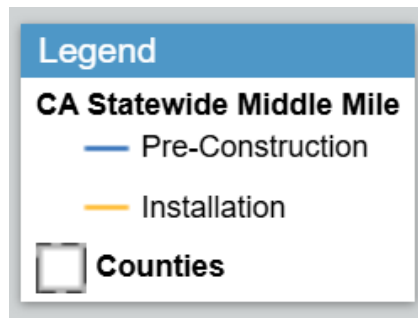
California Interactive Broadband Map - Eligibility layer



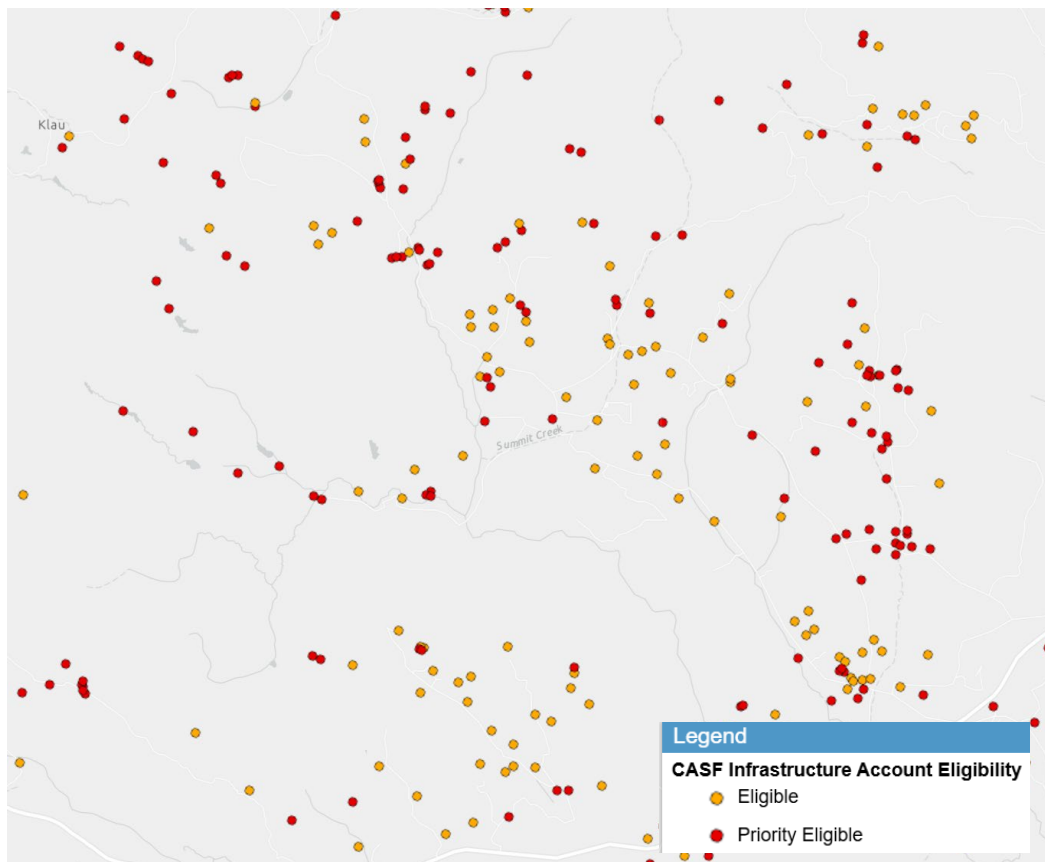
California Interactive Broadband Map - FCC data layer



California Interactive Broadband Map – CA Statewide Middle Mile Layer



CASF Funding - Serviceable Locations

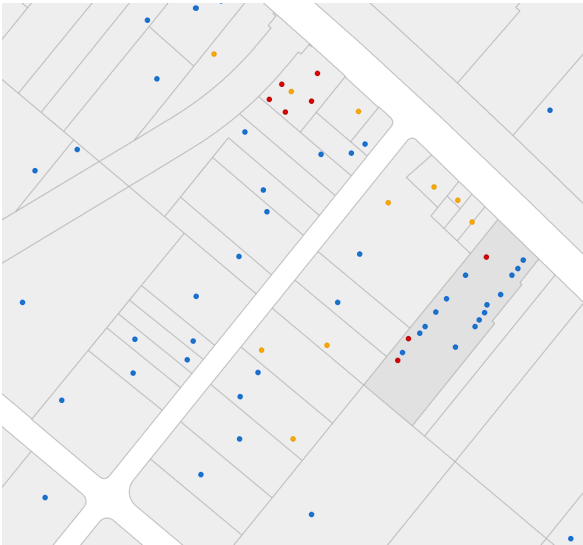
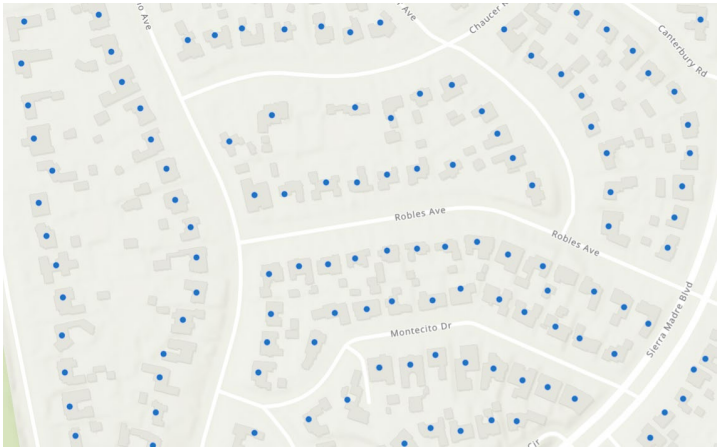


- Priority Eligible : Download speeds less than 10 Mbps and upload speeds less than 1 Mbps.
- Eligible Unserved :Download speeds between 10 and 25 Mbps, and upload speeds between 1 and 3 Mbps.
- Served - not eligible for funding : Meet or exceed the federal benchmark of 25 Mbps download and 3 Mbps upload speeds.

Broadband Serviceable Location Fabric

- A dataset created by CostQuest Associates
- Broadband Serviceable Locations across the United States
- Specific locations where broadband internet access can be delivered
- Includes a unique identifier for each broadband serviceable location(location_id)

location_id	latitude	longitude	bsl_flag
1322167721	37.789247	-122.180307	True
1322196705	37.794602	-122.25634	True
1322196706	37.519448	-122.038491	True
1322196707	37.532163	-122.071552	True
1322196709	37.614927	-121.850068	True
1322196710	37.54728	-121.984906	True
1322196712	37.853352	-122.253651	True
1322196713	37.588797	-121.869707	True
1322196715	37.612749	-122.067673	True
1322196717	37.860023	-122.253162	True
1322196718	37.823061	-122.207234	True



NAME	
December 2024 (Version 6)	
June 2024 (Version 5)	
December 2023 (Version 4)	
June 2023 (Version 3)	
December 2022 (Version 2)	
June 2022 (Version 1)	

Location ID is one of the most important fields in the dataset and acts as a primary key for joining, tracking, and validating broadband availability at specific addresses.

Use the CQ fabric to obtain Location ID and associated information.

Project Location Data Submission Requirements

Ben Swearingen, Regulatory Analyst

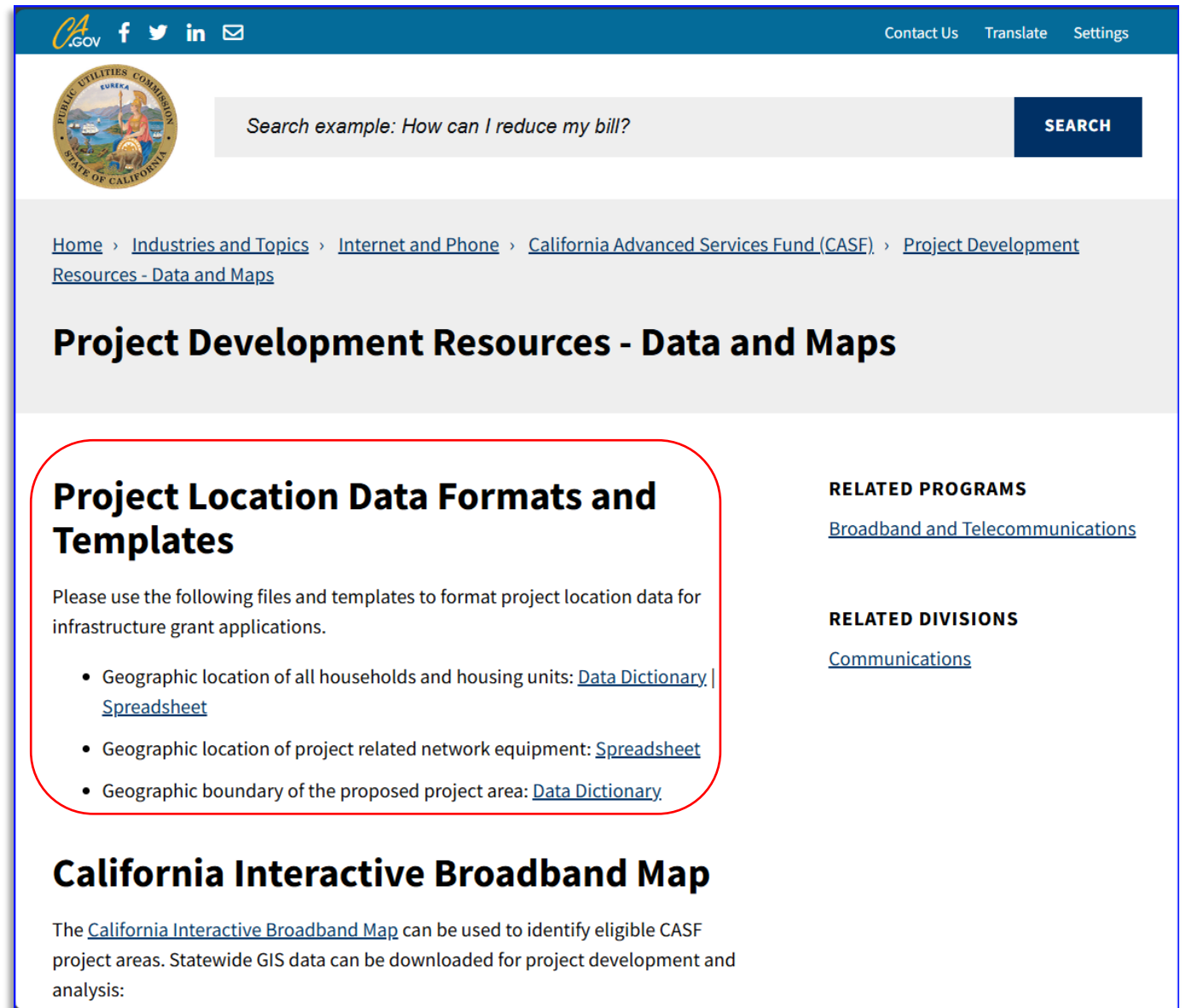


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Project Development Resources – Data & Maps


Project Location Data Formats and Templates

❖ Website updates coming soon!



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Project Development Resources - Data and Maps

Project Location Data Formats and Templates

Please use the following files and templates to format project location data for infrastructure grant applications.

- Geographic location of all households and housing units: [Data Dictionary | Spreadsheet](#)
- Geographic location of project related network equipment: [Spreadsheet](#)
- Geographic boundary of the proposed project area: [Data Dictionary](#)

RELATED PROGRAMS

[Broadband and Telecommunications](#)

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California Interactive Broadband Map


The [California Interactive Broadband Map](#) can be used to identify eligible CASF project areas. Statewide GIS data can be downloaded for project development and analysis:

Project Development Resources - Data & Maps

Data Dictionary



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CASF Infrastructure Project Location Data Dictionary
Geographic Location of all Households and Housing Units

Please submit your data using the corresponding ‘Geographic Location of all Households and Housing Units in the Proposed Project Area’ spreadsheet.


DATA FIELDS:

Field	Description	Type	Example
DBA_Name	Doing Business As (DBA) Name of company, i.e, the name of the entity customers could contact to purchase service.	Text	ABC Company
FRN	Provider FCC Registration Number. See more here . (ONLY numbers, include leading zeros, no other characters)	Text	0008402202
Location Data			
Location ID	Location ID: Unique identification number for each FCC Broadband Serviceable Location Fabric location. See more here .	Integer	1322254063
Address	Street Address including House Number, Prefix, Street Name, Street Type and Suffix. <u>No P.O. Boxes!</u>	Text	123 N Main St
Unit	Unit Number or Letter if applicable. (Optional)	Text	Apt. 1
City	City Name	Text	San Francisco
State	Abbreviated US State Name	Text	CA

Geodata Spreadsheet



California Public Utilities Commission



California Advanced Services Fund
Broadband Infrastructure Grant Account

Geographic Data Dictionary for Project Serviceable Locations
(All fields are required unless otherwise stated)

Field Name	Full Name	Description	Type	Example
DBA_Name	DBA Name	Doing Business As (DBA) Name of your company.	Text	ABC Telecom
FRN	FCC Registration Number	Provider FCC Registration Number (ONLY numbers no other characters)	Text	0008402202
LocationID	Location ID	Broadband Serviceable Location Fabric unique location identifier	Integer	1322254063
Address	Street Address	Street Address including House Number, Prefix, Street Name, Street Type and Suffix. <u>No P.O. Boxes!</u>	Text	123 N Main St
Unit	Unit Number	Unit number or letter if applicable.	Text	Apt 1
City	City	City Name	Text	San Francisco
State	State	Abbreviated US State Name	Text	CA
Zip5	Zip Code 5	5 Digit Zip Code	Integer	94102
Zip4	Zip Code 4	4 Digit Zip Code	Integer	1234
Latitude	Latitude	Latitude coordinate of the subscriber location. It must have at least 7 decimal places. Must be in the WGS84 or NAD83 geographic coordinate system. (value must be within 32 to 42)	Float	37.780479
Longitude	Longitude	Longitude coordinate of the subscriber location. It must have at least 7 decimal places. Must be in the WGS84 or NAD83 geographic coordinate system. (value must be within -114 to -124)	Float	-122.421017
BlockCode	Census Block Code	15-digit US Census Block code. ALL California Census codes begin with “06”.		
		Category of technology for the provision of Internet access service used by the portion of the connection that would terminate at the end-user location (premises). Cable Modem (41 – 43) and Optical Carrier/Fiber (50) are acceptable codes for this section. 10 = Asymmetric xDSL 11 = ADSL2, ADSL2+ 12 = VDSL		

Geographic Data Format for Project Serviceable Locations (All fields are required unless otherwise stated)

DBA Name	FRN	LocationID	Address	Unit	City	State	Zip5	Zip4	Latitude	Longitude	BlockCode	TechCode	DownSpeed	UpSpeed	DeployDate	TotConnect	ResConnect

Project Development Resources – Data & Maps

- **GIS Data Format:**
 - **Tabular:** Excel (provided template preferred), CSV, File Geodatabase(.gdb),
 - **Geospatial:**
 - Shapefile (.shp, .shx, .dbf, etc.)
 - KML/KMZ (.kml, .kmz)
 - GPKG (GeoPackage)...
- Must have an assigned projection: **WGS-84**
- All project area polygons must be closed, non-overlapping polygons with a single, unique identifier.
- Each polygon must have a single value for each of the following fields: **technology, downstream bandwidth, and upstream bandwidth.**
- List **each location** capable of providing **minimum speed of 100 Mbps download and 20 Mbps upload** with the following:
 - Street Address
 - Latitude and Longitude coordinates
 - [Location ID](#) - A unique 10-digit identifier assigned to each broadband serviceable location (see [CostQuest Licensing | BroadbandUSA](#) for information on how to obtain Location ID)

Instructions

1. All map areas must be closed, non-overlapping polygons with a single, unique identifier.
2. Any variation in any of the required fields necessitates the creation of a separate polygon showing the relevant coverage. In other words, each polygon must have a single value for each of the following fields: technology, downstream bandwidth, and upstream bandwidth.
3. The KMZ or Shapefile must have an assigned projection with an accompanying .prj file.
4. The KMZ or Shapefile must use unprojected (geographic) WGS84 geographic coordinate system.
5. The shapefile must be submitted as a *.zip file. This can be done with a program like WinZip or, in Windows by selecting the files associated with a shapefile, right-clicking the files, then clicking '**Send to**' then '**Compressed (zipped) folder**'.
6. In addition to the shapefile, each submitted *.zip file must include metadata or a plain text "readme" file that contains a comprehensive explanation of the methodology employed to generate the map layer including any necessary assumptions and an assessment of the accuracy of the finished product.

[illegible]

Contact Information

- Application Questions: Contact Your Regional Consortia FIRST: [Consortia Information](#)
- CASF Application Questions: CASF_Application_Questions@cpuc.ca.gov
- Correspondence/Questions regarding approved projects: CASF_Infrastructure_Grant_Administrator@cpuc.ca.gov
- Energy Division-CEQA-Correspondance/Questions regarding (California Environmental Quality Act) CASF_CEQA@cpuc.ca.gov
- Line Extension inquiries: CASFLineExtensionProgram@cpuc.ca.gov
- CASF Webinar inquiries: CASF_Workshop@cpuc.ca.gov
- Broadband Mapping inquiries: Broadbandmapping@cpuc.ca.gov

Q&A

Rosa Sauer, Regulatory Analyst
Jayson Santos, Senior Telecommunications Engineer



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Send in your questions!

Email to casf_workshop@cpuc.ca.gov



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Thank You!
**(if we didn't respond to your question,
we will respond through email)**

