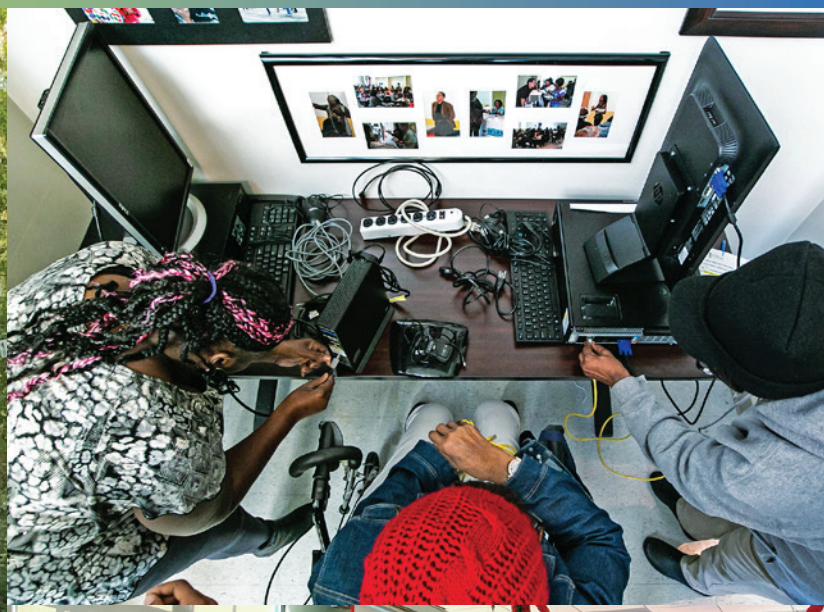

2019 ANNUAL REPORT

California Advanced Services Fund

PROGRAM YEAR JANUARY 2019 – DECEMBER 2019

PUBLISHED APRIL 2020

California Public Utilities Commission

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Executive Summary

The California Public Utilities Commission (CPUC) submits this annual report on the California Advanced Services Fund (CASF) 2019 program activities, pursuant to California Public Utilities (Pub. Util.) Code section 914.7(a).

This report presents financial and programmatic highlights, including revenues, expenditures, approved projects, and expected benefits. It also provides updates on unserved/served areas and broadband adoption in the state. The main items in this report are summarized on the following pages.

Since 2008, the CASF has helped close the Digital Divide in California by providing subsidies to build and expand broadband facilities to unserved areas of the state. The program has funded fiber-optic, fixed wireless, and copper facility-based projects with a goal of making broadband available to 98 percent of households[1] in each consortia region by 2022.

The passage of Assembly Bill (AB) 1665 (Eduardo Garcia, 2017) significantly revised and updated the CASF statute, added $330 million to the program and created new broadband adoption and line extension accounts. Further, CASF eligible areas were changed significantly: the underserved designation was eliminated, designating more of the state as "unserved," and the speed threshold for eligible areas was lowered.[2] Significant parts of the state eligible for Connect America Fund Phase 2 funding were also deemed ineligible. Taken together, this reduced the number of areas eligible for CASF infrastructure grants and, hence, the amount and size of grant applications coming into the CPUC.

Nevertheless, in 2019 the CPUC approved 12 infrastructure grants worth $25.5 million, 102 adoption grants worth $5.8 million, and nine consortia grants[3] worth $3.7 million. The CPUC did not approve any new public housing projects as only one application was submitted but not approved in 2019.[4] The Public Housing Account continued to fund previously approved projects.

In addition, the CPUC participated in the Federal Communications Commission (FCC) proceeding implementing the Rural Digital Opportunity Fund to leverage federal funding for broadband deployment in California. However, AB 1665 presents challenges in leveraging federal funding. See page 40 for additional information.

The main items in this report are summarized on the following pages.

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[1] The statutory goal is to reach 98 percent of households in each consortia region by 2022

[2] AB 1665 lowered the speed threshold to 6 Megabits per second (Mbps) downstream and 1 Mbps upstream from 6 Mbps downstream and 1.5 Mbps upstream.

[3] Resolution T-17669 approved funding for the Redwood Coast Connect Broadband Consortium, Gold Country Broadband Consortium, Broadband Consortium of the Pacific Coast, Central Coast Broadband Consortium, Connected Capital Area Broadband Consortium, Inland Empire Regional Broadband Consortium, North Bay/North Coast Broadband Consortium, Northeastern California Connect Consortium, and Upstate California Connect Consortium.

[4] The CPUC approved the application on February 27, 2020. See Resolution T-17684.

1. CASF Awards and Expenditures in 2019

Table 1 details the CASF total grants, awards, and expenditures since inception and in 2019.

Table 1: CASF Awards and Expenditures as of December 31, 2019

CASF Account	Since Inception				In 2019		
	Total Budget Authorized	Total Awarded	Total Expenditure[5]	Total Grants	Total Grants	Total Awarded	Total Expenditure[6]
Infrastructure	$565,000,000	$270,733,063	$137,195,022	77	12	$25,487,720	$29,586,305
Infra. Loan[7]	$5,000,000	$600,295	$1,538,222	1	0	$0	$350,306
Infra. Line Extension	$5,000,000	$0	$89,493	0	0	$0	$89,493
Consortia	$25,000,000	$17,276,625	$12,672,590	43	9	$3,751,512	$1,411,863
Adoption	$20,000,000	$8,130,946	$355,305	144	102	$5,813,494	$355,305
Pub. Housing	$25,000,000	$13,863,723	$10,443,591	451	0	0	$2,901,089
Total	**$645,000,000**	**$310,604,652**	**$162,294,223**	**716**	**123**	**$35,052,726**	**$34,694,361**

2. CASF Program Goal and Broadband Deployment Progress

The statutory goal of the CASF program is to provide broadband access to 98 percent of households in each consortia region by December 31, 2022.[8]

As of December 31, 2018, data for fixed broadband availability reveal the following:[9]

- **Program Goal**: The East Bay Broadband Consortium and Los Angeles County Regional Broadband Consortium have met the 98 percent goal. The Bay Area (San Francisco, San Mateo, and Santa Clara counties),[10] has also met the 98 percent goal. (See page 13 for additional information on served and unserved areas in the state.)
- **Broadband Deployment at 6/1**: Approximately 97.1 percent of California households have access to wireline or fixed wireless broadband speeds of at least 6 Megabits per second (Mbps) downstream and 1 Mbps upstream (6/1 Mbps).
- **Broadband Deployment at 25/3**: Approximately 96.3 percent of California households have access to wireline or fixed wireless broadband speeds of at least 25 Mbps downstream and 3 Mbps upstream (25/3 Mbps).
- **Broadband Adoption**: Approximately 83.1 percent of California households subscribe to broadband speeds at or above 6/1 Mbps.

[5] Expenditures as of June 30, 2019, reflect Fiscal Year (FY) data, and include project disbursements and administrative expenses for each account. This does not include outstanding liabilities and award commitments (see Table 4).
[6] Expenditures as of June 30, 2019, reflect FY 2018-19 data, and include project disbursements and administrative expenses for each account.
[7] AB 1665 eliminated the Infrastructure Revolving Loan Account and required the transfer of the remaining unencumbered moneys as of January 1, 2018, and moneys collected into the Broadband Infrastructure Grant Account.
[8] Pub. Util. Code, § 281(b)(1)(A).
[9] The latest data set available is from December 31, 2018. The data are collected and validated by the CPUC staff.
[10] There is no consortium for the Bay Area.

3. CASF Team Key Accomplishments

- The Broadband Infrastructure Team implemented the new Line Extension Program as a pilot within the CASF Infrastructure Account. (Additional information about the pilot can be found on page 21.)
- The Broadband Adoption Team completed the required and first-ever *Adoption Gap Analysis* to identify a baseline for demographic barriers to broadband adoption and provide information to support program and regulatory decisions related to the Adoption Account. (Additional information on the analysis is available on the CASF webpage here: https://www.cpuc.ca.gov/casf/.)
- The Broadband Public Housing Team conducted site visits to determine project status and published the *Public Housing Site Visit Report* to summarize observations and recommendations.
- The Broadband Consortia Team recommended approval for nine consortia groups to assist infrastructure grant applicants in the project development or grant application process to deploy broadband infrastructure.
- The Broadband Mapping Team completed its 2019 annual broadband data collection and updated the Interactive Broadband Map on the CPUC's website in October 2019. This update includes a new, more user-friendly version of the Interactive Broadband Map. The 2019 annual broadband data collection is the largest and most comprehensive published data set by the Team in its 10 plus years of existence. 150 broadband providers submitted data, which is a new record.

Background

The statutory goal of the CASF program is to provide broadband access to 98 percent of households in each consortia region by December 31, 2022.[11] The program consists of four main accounts to reach this goal: the Broadband Infrastructure Grant Account, which includes the Line Extension program, the Rural and Urban Regional Broadband Consortia Grant Account, the Broadband Public Housing Account, and the Broadband Adoption Account.[12]

In 2017, Assembly Bill (AB) 1665[13] revised the CASF program including extending the goal of providing broadband access to 98 percent of households in each consortia region by 2022. (See Map 1 on the following page for the locations of the consortia regions.) In addition, AB 1665 revised the eligibility requirements for the Infrastructure Account and the Public Housing Account, established a Right of First Refusal process, created the Line Extension program and Broadband Adoption Account, and eliminated the Infrastructure Loan Account.

Further, it revised the rules to define an "unserved household" as one with no broadband access from a facility-based provider at speeds of at least 6/1 Mbps. The CPUC implemented the changes to the CASF program through its administrative law process and resulting decisions. More background and historical information about each CASF account is available at https://www.cpuc.ca.gov/casf/.

Figure 1 - Tech Exchange, Cantonese Digital Skills Class, East Bay Asian Local Development Corporation, CASF Public Housing Grantee.

[11] Pub. Util. Code, § 281(b)(1)(A).
[12] Pub. Util. Code, § 281(c).
[13] Ch. 851, Stats. 2017. AB 1665 is codified at Pub. Util. Code, § 281.

Map 1: California Broadband Consortia Regions

CASF Overview and Financial Information

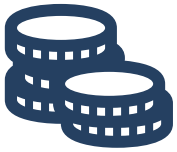
This section provides an overview of the CASF financial information (e.g. revenues, expenditures, and fund balance). It also provides information about the areas that remain unserved as required by Pub. Util. Code section 914.7(a)(1).

A. Financial Information

The CPUC tracks CASF financial information in the Financial Information System for California (FI$Cal) implemented in fiscal year (FY) 2018-19. It is a statewide Information Technology (IT) system for accounting, budget, and cash management. Table 2 provides the total authorized budget for each CASF account since inception to December 2019.

Table 2: CASF Total Authorized Budget as of December 31, 2019

CASF Account	Total Authorized Budget
Infrastructure Grant	$565,000,000
Infrastructure Line Extension	$5,000,000
Infrastructure Loan[14]	$5,000,000
Consortia	$25,000,000
Broadband Adoption	$20,000,000
Public Housing	$25,000,000
Total	$645,000,000



1. CASF Revenues in Fiscal Year 2018-19

The CPUC collected approximately $45.3 million in FY 2018-19 and has collected approximately $394.6 million in total revenues since 2008. Table 3 presents the CASF revenues as of June 30, 2019, the end of FY 2018-19.

Table 3: CASF Revenues Collected as of June 30, 2019

Revenues	FY 2008-2018	FY 2018-2019	Total as of 06/30/2019
Regulatory Fees	$340,845,578	$40,677,141	$381,522,719
Loan Repayment and Interest	$37,131	$5,953	$43,084
Investment Income	$8,349,915	$4,563,721	$12,913,636
Total Revenues	**$349,232,624**	**$45,246,815**	**$394,479,439**

[14] AB 1665 eliminated the Infrastructure Revolving Loan Account and required the transfer of the remaining unencumbered moneys as of January 1, 2018 into the Broadband Infrastructure Grant Account.

2. CASF Expenditure and Fund Balance in Fiscal Year 2018-19

Table 4 presents funds expended and fund balance as of June 30, 2019. The expenses are grouped into two major categories: 1) State Operations including, but not limited to, staff salaries and benefits, travel, training, consultant services, and administrative overhead costs; and 2) Local Assistance which are payments disbursed to approved CASF projects. The CASF expended approximately $34.7 million in FY 2018 – 19 and approximately $274.7 million in total expenditures.

The CASF fund balance as of June 30, 2019 is approximately $119.8 million. However, this amount does not represent the remaining budget in the CASF as it will continue to collect revenues through 2022 as shown previously in Table 3.

Table 4: CASF Funds Expended and Fund Balance as of June 30, 2019

Disbursements	FY 2008-18	FY 2018-19	Total as of 06/30/2019
Infrastructure Grant Account – Local Assistance	$93,919,031	$27,835,757	$121,754,788
Infrastructure Grant Account – State Operations	$13,689,686	$1,750,548	$15,440,234
Infrastructure Grant Account Sub Total	$107,608,717	$29,586,305	$137,195,022
Infrastructure Loan Account – Local Assistance	$335,354	$0	$335,354
Infrastructure Loan Account – State Operations	$852,562	$350,306	$1,202,868
Infrastructure Loan Account Sub Total	$1,187,916	$350,306	$1,538,222
Infrastructure Line Account – Local Assistance	$0	$0	$0
Infrastructure Line Account – State Operations	$0	$89,493	$89,493
Infrastructure Line Account Sub Total	$0	$89,493	$89,493
Consortia Grant Account – Local Assistance	$10,281,060	$969,420	$11,250,480
Consortia Grant Account – State Operations	$979,667	$442,443	$1,422,110
Consortia Grant Account Sub Total	$11,260,727	$1,411,863	$12,672,590
Adoption Grant Account – Local Assistance	$0	$0	$0
Adoption Grant Account – State Operations	$0	$355,305	$355,305
Adoption Account Sub Total	$0	$355,305	$355,305
Public Housing Grant Account – Local Assistance	$6,985,956	$2,405,775	$9,391,731
Public Housing Grant Account – State Operations	$556,546	$495,314	$1,051,860
Public Housing Account Sub Total	$7,542,502	$2,901,089	$10,443,591
Total Funds Disbursed	$127,599,862	$34,694,361	$162,294,223
Outstanding Liabilities and Award Commitments:			$112,441,074
Total Expenditure:			**$274,735,297**
Fund Balance: (Available Funds minus Outstanding Liabilities and Award Commitments)			**$119,744,141**[15]

[15] The 2018 State Budget Act extended FY 2016-17 CASF Local Assistance award payments from June 30, 2019 to June 30, 2021. The FY 2018-19 Year-End Report submitted by the CPUC to the State Controller's Office shows a net fund balance of $190.187 million. The discrepancy is due to $70.3 million FY 2016-17 outstanding Award Commitments omission.

3. Projected CASF Revenue Collection Through 2022

The CPUC has authority to collect up to $330 million for CASF, in an amount not to exceed $66 million per year, beginning with calendar year (CY) 2018 through CY 2022.[16] The CPUC collects funds for CASF through a surcharge that is assessed on all intrastate telecommunications services including prepaid mobile telephony services (MTS). In December 2017, the CPUC adopted a surcharge rate of 0.56 percent effective March 1, 2018 to collect the CASF funds.[17]

End-users remit the charges on eligible services to telecommunications carriers through monthly bill payments. Telecommunications carriers report and remit the collections via the Telecommunications and User Fee Filing System (TUFFS). For the calendar year (CY) 2019, telecommunications carriers remitted $41 million in surcharge revenue to the CASF, which is 38 percent below the originally projected $66 million annual amount. This revenue shortfall is attributed to the continuing downward trend in intrastate telecommunications services that are subject to CPUC surcharges. Table 5, below, shows surcharge revenue and estimated collections through CY 2022.

Table 5: Surcharge Revenue and Estimated Collection Through 2022

Reporting Period	Surcharge Rate	Mobile Telephony Services Rate	Surcharge Revenue
CY 2018, Mar-Dec (Actual)	0.56%	0.00%	$39 million
CY 2019, Jan-Dec (Actual)	0.56%	0.56%	$41 million
CY 2020, Jan-Dec (Estimate)	0.56%		$41 million
CY 2021, Jan-Dec (Estimate)	0.56%		$35 million
CY 2022, Jan-Dec (Estimate)	0.56%		$35 million
Total			$187 million

[16] Pub. Util. Code, § 281(d)(3).
[17] CPUC Resolution T-17593 adopted a 0.56 percent surcharge for CASF.

B. Served and Unserved Areas of the State

Existing statute defines an unserved household as one that no facility-based provider offers broadband service at speeds of at least 6/1 Mbps.[18] Only areas with unserved households are eligible for CASF Infrastructure grants.[19] The latest data available as of December 31, 2018 indicate that 97.1 percent of California households are in census blocks with access to fixed (wireline and fixed wireless) broadband service at served speeds (6/1 Mbps and above).[20] Map 2, on the following page, shows the served and unserved areas of the state as of December 31, 2018.

97.1 percent of California households are in census blocks with access to wireline or fixed wireless broadband service at 6/1 Mbps or above as of December 31, 2018.

1. Broadband Availability in Rural and Urban Areas of the State

Table 6 below provides percentages of served and unserved households in California in census block designated rural or urban by the United States Census Bureau. Despite the improved average of statewide broadband availability, the Digital Divide continues between rural and urban areas.

In rural areas, 78.5 percent of households have access to broadband at 6/1 Mbps speeds, whereas 98.1 percent of households in urban areas have access. Table 6 also provides percent of urban and rural households with access to speeds at or above 25/3 Mbps and 100 Mbps downstream. The data show the Digital Divide between rural and urban areas widens as the speeds increase.

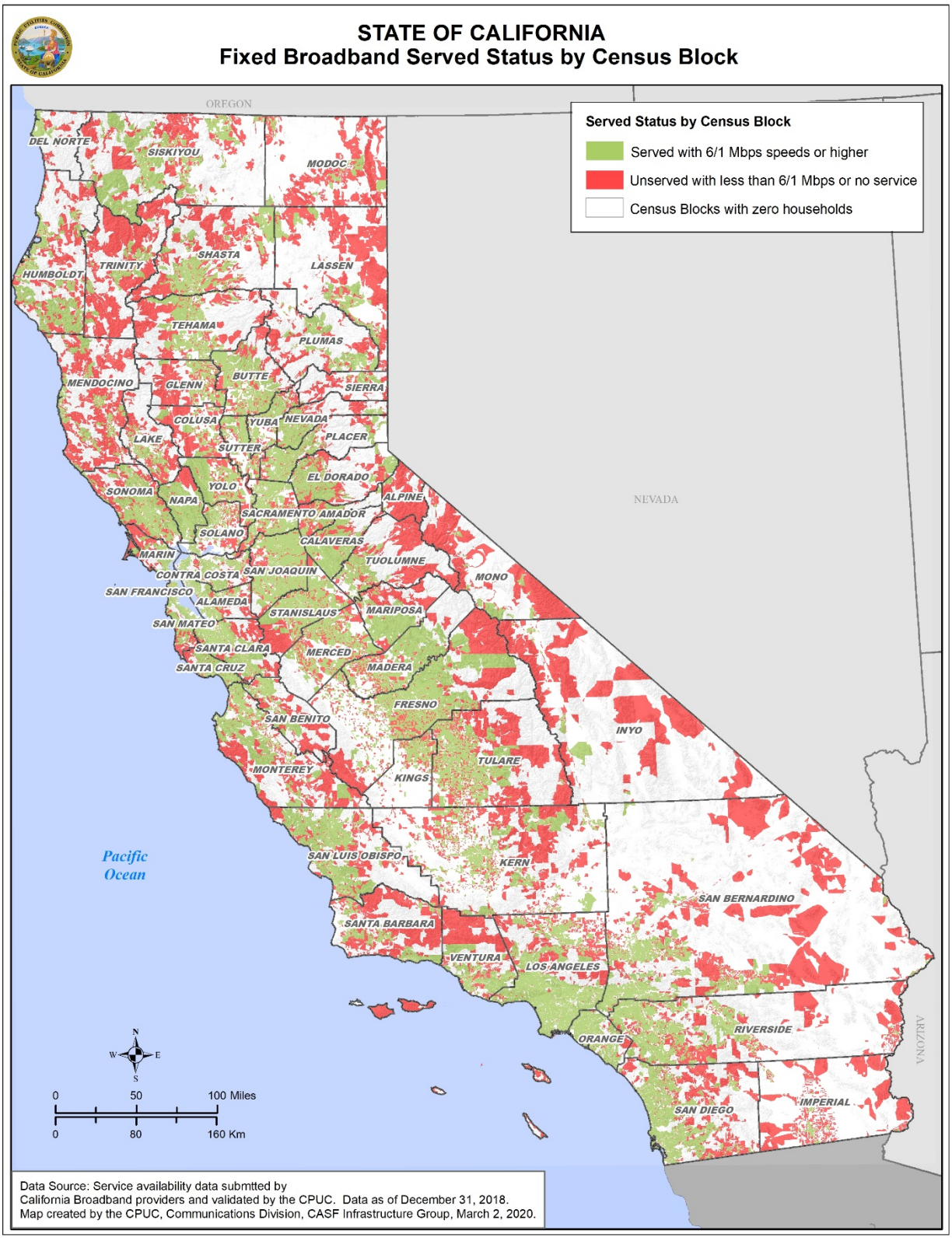
Table 6: Broadband Availability at Different Speed Benchmarks as of December 31, 2018

Speed Benchmarks (Mbps)	Percentage of Total Households with Broadband Availability			Unserved Households				
				Number of Unserved Households			Percentage of Unserved Households	
	Urban	Rural	Statewide	Urban	Rural	Statewide	Urban	Rural
>=6/1	98.1%	78.5%	97.1%	236,052	147,557	383,609	1.9%	21.5%
>=25/3	97.9%	67%	96.3%	263,185	227,228	490,413	2.1%	33%
>=100 down[21]	97.5%	46.5%	94.9%	305,087	368,643	673,730	2.5%	53.6%

See Attachment A for additional data on broadband availability at the county level.

[18] Pub. Util. Code, § 281(b)(1)(B).
[19] Other factors are also considered in determining CASF eligibility such as a check of areas in the Right of First Refusal filings and areas receiving funding from the Connect American Fund.
[20] The CPUC validates providers' broadband availability data submitted at the census block level. The CPUC's analysis considers wireline and fixed-wireless technologies. Examples of "wireline" technologies include Digital Subscriber Line (DSL), cable modem, and fiber-optic network technologies such as Fiber to the Home (FTTH) or Fiber to the Node/Neighborhood (FTTN). These technologies use terrestrial wires or cables as the physical layer of the connection from the provider to the user. "Fixed wireless" solutions rely on radio frequency (RF) waves to make an "over-the-air" connection between the provider and the user at a fixed location.
[21] This benchmark measures broadband speeds at 100 Mbps downstream and at any upstream speeds (i.e. no filter was used for upstream speeds, only downstream).

Map 2: Served and Unserved Areas at 6/1 Mbps as of December 31, 2018



C. Progress in Meeting the CASF Goal

Table 7 provides the percentages of served and unserved households by consortia region. It shows that the East Bay Broadband Consortium and Los Angeles County Regional Broadband Consortium have met the 98 percent goal. The Bay Area (San Francisco, San Mateo, and Santa Clara counties) has also met the 98 percent goal.

Table 7: Remaining Unserved Households in Each Consortium Region

California Public Utilities Commission

STATE of CALIFORNIA
Wireline + Fixed Wireless Broadband Deployment
Maximum Advertised Speeds
As of December 31, 2018

Consortium	All Households (CA DOF 1/1/2019)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service[2])	
		Number	Percent	Number	Percent	Number	Percent
California	**13,085,036**	**12,701,427**	**97.1 %**	**54,345**	**0.4 %**	**329,264**	**2.5 %**
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,272,433	1,252,156	98.4 %	704	0.1 %	19,573	1.5 %
Broadband Consortium of the Pacific Coast	532,365	518,186	97.3 %	1,622	0.3 %	12,557	2.4 %
Central Coast Broadband Consortium	241,971	233,286	96.4 %	650	0.3 %	8,035	3.3 %
Central Sierra Connect Consortium	64,341	57,577	89.5 %	2,334	3.6 %	4,430	6.9 %
Connected Capital Area BB Consortium	658,329	641,172	97.4 %	4,071	0.6 %	13,086	2.0 %
East Bay Broadband Consortium	1,110,863	1,090,458	98.2 %	931	0.1 %	19,474	1.8 %
Eastern Sierra Connect Regional Broadband Consortium	48,548	43,835	90.3 %	299	0.6 %	4,414	9.1 %
Gold Country BB Consortium	263,468	248,838	94.4 %	4,006	1.5 %	10,624	4.0 %
• Tahoe Basin Project[3]	18,678	17,994	96.3 %	314	1.7 %	370	2.0 %
Inyo / Mono Broadband Consortium	13,867	11,386	82.1 %	37	0.3 %	2,444	17.6 %
Inland Empire Regional BB Consortium	1,362,729	1,321,032	96.9 %	1,872	0.1 %	39,825	2.9 %
Los Angeles County Regional Broadband Consortium	3,350,389	3,314,087	98.9 %	1,384	0.0 %	34,918	1.0 %
North Bay / North Coast Broadband Consortium	375,615	358,731	95.5 %	2,151	0.6 %	14,733	3.9 %
Northeast California Connect Consortium	219,457	195,380	89.0 %	5,365	2.4 %	18,712	8.5 %
Orange County (no consortium)	1,046,676	1,000,821	95.6 %	7,532	0.7 %	38,323	3.7 %
Redwood Coast Connect Consortium	74,123	66,953	90.3 %	719	1.0 %	6,451	8.7 %
San Joaquin Valley Regional Broadband Consortium	1,221,145	1,170,332	95.8 %	14,927	1.2 %	35,886	2.9 %
Southern Border Broadband Consortium	1,185,284	1,143,027	96.4 %	2,932	0.2 %	39,325	3.3 %
Upstate California Connect Consortium	43,433	34,170	78.7 %	2,809	6.5 %	6,454	14.9 %

Sources:
Broadband deployment data collected from Internet Service Providers and validated by the California Public Utilities Commissi on. The CPUC defines "broadband service" as Internet connectivity with download / upload speeds of at least 200 Kbps in one direction.
Household data is based on the California Department of Finance, January 1, 2019 estimate.

[2]Dial-up only service is included in the "No Service" category.
[3]A project of the Gold Country BB Consortium. Not included in the California total. T-17550.
[4]Under Resolution T-17550 - ESCRBC maintains a three-county region even though responsibility for broadband development in Inyo and Mono counties is currently being managed by a sub-regional consortium, the Inyo Mono Broadband Consortium.

(An enlarged version of Table 7 is available in Attachment A, page 44.)

CASF Broadband Infrastructure Grant Account

The Broadband Infrastructure Grant Account (Infrastructure Account) provides broadband access to unserved households. Pursuant to AB 1665, the Infrastructure Account has a $300 million budget to spend on eligible projects through 2022.[22] With this additional funding, the Infrastructure Account's total authorized budget since its inception is $575 million. The following sections detail the Infrastructure Account grants awarded and funds expended in 2019 along with other items.

A. Infrastructure Grants Awarded in 2019

12 new projects approved in 2019 will provide broadband access to an estimated 1,367 unserved households.

The CPUC approved 12 new infrastructure projects receiving approximately $25.5 million in total grant funding. Table 8 below provides details of the approved projects, including expected benefits, in this case, the unserved households that will receive broadband access. It also provides project cost per household, which ranges widely due to multiple factors: project size, geographic terrain, etc. Map 3 on the following page illustrates the locations of the projects.

Table 8: Grants Awarded in 2019

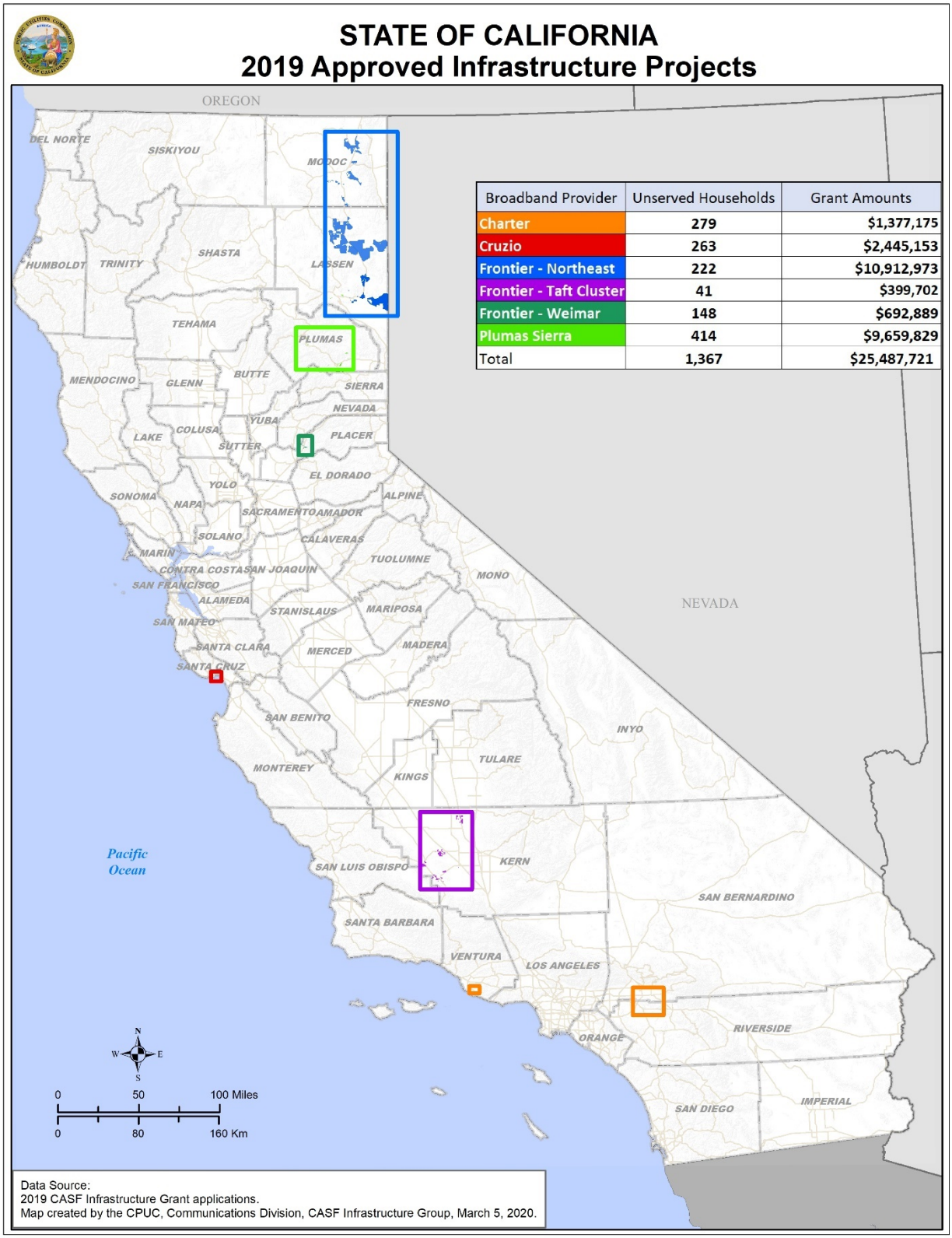
	Project Name	Grant Recipient	County	Grant Amount	Unserved Households	Cost per Household
1	Country Squire Mobile Home Park	Charter Comm.	Riverside	$267,943	99	$2,706
2	Highland Orchid Drive	Charter Comm.	San Bernardino	$197,185	115	$1,715
3	Silver Wheel Ranch Mobile Home Park	Charter Comm.	Ventura	$912,047	65	$3,269
4	Equal Access Santa Cruz	Cruzio Media	Santa Cruz	$2,445,153	263	$9,297
5	Weimar	Frontier CA	Placer	$692,889	148	$4,682
6	Taft Cluster	Frontier CA	Kern	$399,702	41	$9,749
7	Northeast Project Phase I	Frontier CA	Lassen; Modoc	$10,912,973	222	$49,158
8	Keddie	Plumas-Sierra Tel.	Plumas	$1,512,163	36	$42,005
9	Mohawk Vista	Plumas-Sierra Tel.	Plumas	$2,183,427	120	$18,195
10	Lake Davis	Plumas-Sierra Tel.	Plumas	$1,118,873	125	$8,951
11	Elysian Valley-Johnstonville	Plumas-Sierra Tel.	Lassen	$3,574,494	82	$43,591
12	Plumas Eureka-Johnsville	Plumas-Sierra Tel.	Plumas	$1,270,872	51	$24,919
		Total		**$25,487,721**	**1,367**	**$16,121**

1. Supplemental Grant Approved in 2019

The CPUC approved approximately $9 million in supplemental funding for the Gigafy Phelan project in San Bernardino County. Race Telecommunications requested additional funding to complete the project, which will provide broadband access to 7,606 estimated potential households. This funding will cover unanticipated pole inspection, increased labor, and construction costs.[23]

[22] AB 1665 authorized additional funding for the CASF Infrastructure Account, amending Pub. Util. Code, § 281(d)(1)(A).
[23] CPUC Resolution T-17658.

Map 3: Location of 2019 Approved Infrastructure Projects



Broadband Provider	Unserved Households	Grant Amounts
Charter	279	$1,377,175
Cruzio	263	$2,445,153
Frontier - Northeast	222	$10,912,973
Frontier - Taft Cluster	41	$399,702
Frontier - Weimar	148	$692,889
Plumas Sierra	414	$9,659,829
Total	1,367	$25,487,721

B. Infrastructure Funds Expended in 2019 and Expected Benefits

The CPUC made 14 payments, totaling approximately $26 million, for previously approved infrastructure projects. Table 9 below lists the projects that received payments.

The CPUC made 14 payments to 11 projects in 2019. The projects will provide broadband access to 18,695 estimated potential households.

Table 9: Funds Expended in 2019

	Project Name	Payment Recipient	County	Completion Status	Payment Amount
1	Connect Anza Phase 2	Anza Electric Cooperative	Riverside	Ongoing	$690,237
2	Bright Fiber Broadband Project	Bright Fiber Network (Race)	Nevada	Ongoing	$3,991,912
3	Bright Fiber Broadband Project	Bright Fiber Network (Race)	Nevada	Ongoing	$6,102,963
4	El Dorado North	Cal.Net	El Dorado	Ongoing	$222,343
5	Digital 395	CA Broadband Coop. (Inyo Networks)	Mono; Inyo; Kern; San Bernardino	Complete	$25,022
6	Coalinga-Huron Gigabit	CalNeva Broadband	Fresno	Complete	$339,578
7	Nicasio Broadband	Inyo Networks	Marin	Complete	$372,972
8	Klamath River Rural Broadband Initiative	Karuk Tribe	Humboldt	Ongoing	$1,095,499
9	Klamath River Rural Broadband Initiative	Karuk Tribe	Humboldt	Ongoing	$524,721
10	Light Saber Project	LCB Communications	Santa Clara	Ongoing	$459,596
11	Gigafy Phelan	Race Telecommunications	San Bernardino	Ongoing	$8,567,534
12	Gigafy Phelan	Race Telecommunications	San Bernardino	Ongoing	$3,200,684
13	Gigafy Occidental	Race Telecommunications	Sonoma	Complete	$321,669
14	Paradise Road	Surfnet Comm.	Monterey	Ongoing	$88,977
	Total				**$26,003,708**

1. Expected Benefits from Funds Expended in 2019

The expected benefits of funds expended in 2019 can be expressed as the number of households that will receive broadband access.

- An estimated 18,695 potential households are expected to receive broadband access from the projects listed in Table 9, excluding Digital 395.
- The award recipients for these projects will provide agreed-upon pricing plans for a minimum of two years in addition to waiving installation fees in accordance with CASF rules.[24]
- Digital 395, a middle-mile project, is expected to continue providing middle mile access to anchor institutions and Internet service providers in the Mono, Inyo, Eastern Kern, and North West San Bernardino counties.

[24] D.18-12-018, Appendix 1 at p. 19.

C. Total Infrastructure Projects Awarded Since 2008

The CPUC has awarded approximately $270.7 million to fund 77 broadband infrastructure projects since the beginning of the program in 2008 through December 31, 2019. The 77 projects include last-mile, hybrid[25], and middle-mile projects that provide (or will provide) broadband access to 320,734 estimated potential households. Table 10 summarizes the data on the total projects funded since inception. Attachment B provides a list of all 77 projects including details such as project name, award recipient, project location, completion status, and household subscriptions. Map 4 on the following page illustrates the locations of all approved infrastructure projects.

Table 10: Total CASF Infrastructure Projects Awarded 2008 – 2019

	Approved Projects	Completed	Ongoing	Amount Awarded	Estimated Potential Households*
Last-Mile	59	40	19	$136,182,302	62,790
Middle-Mile	8	6	2	$101,195,504	256,166
Hybrid	10	0	10	$33,355,257	1,778
Total	77	40	37	$270,733,063	320,734

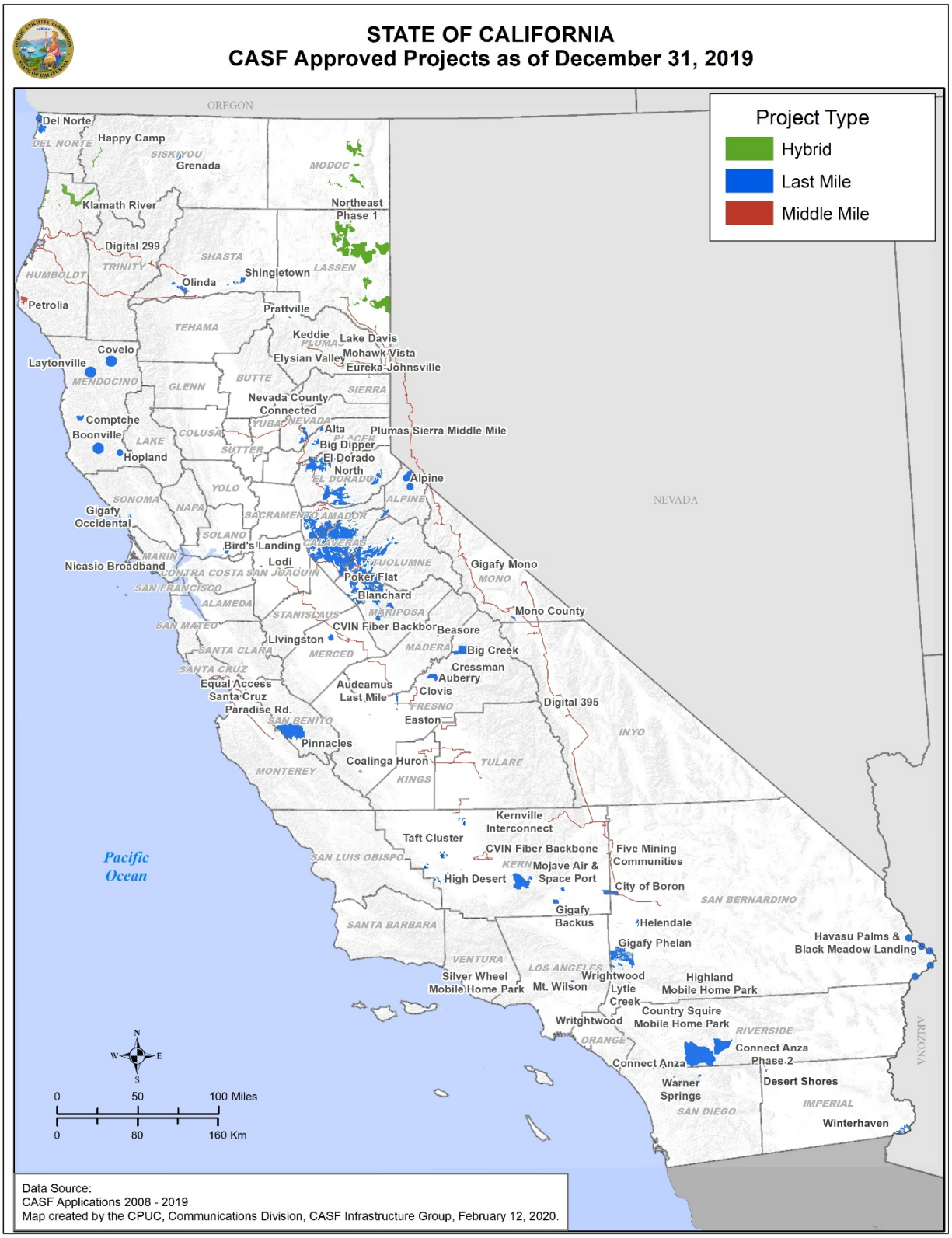
***** Estimated potential households based on CPUC resolutions approving projects.

Figure 3 – Contractor launching throwline for a fiber pull in the CASF Nicasio Broadband Project, Western Marin County.

Figure 2 – Aerial fiber installation to provide broadband service in the CASF Nicasio Broadband Project, Western Marin County.

[25] Hybrid projects are last-mile projects with middle-mile.

Map 4: Locations of All CASF Approved Projects as of December 31, 2019



1. Project Subscriptions as of December 31, 2019

The CPUC is required to report the number of households subscribed to broadband in CASF project areas.[26] The CPUC collects this information through annual data requests to Infrastructure grant recipients. Table 11 summarizes the total subscriptions and average subscription rate for 38 completed last-mile projects[27] as of December 31, 2019. Attachment B provides the household subscriptions for each project.

Table 11: Household (HH) Subscriptions of Completed Projects as of December 31, 2019

Projects	HH Subscribers	Potential Estimated HH Subscribers*	Average Subscription Rate
38	14,291	32,277	44%

***** Estimated potential households based on CPUC resolutions approving projects.

Figure 4 – Aerial fiber run in the CASF Gigafy Phelan Project.

Figure 5 – Outdoor fiber enclosure at a residence in CASF Gigafy Phelan Project.

[26] Pub. Util. Code, § 914.7(a)(9).

[27] There are 40 completed last-mile projects as of December 31, 2019. Table 11 uses subscription data from 38 projects to calculate the average subscription rate. Pinnacles Telephone Company did not provide subscription data for its CASF project and Race Telecommunications only reported business connections for its Mojave Air and Space Port projects.

2. Cost per Household as of December 31, 2019

The CPUC is required to report the cost per household for each Infrastructure project.[28] Attachment B provides the cost per household of each last-mile and hybrid project as of December 31, 2019. Table 12 below shows the average cost per household is $2,626 as of December 31, 2019 for all approved last-mile and hybrid projects. This amount is calculated by dividing the total amount awarded by the total estimated potential households in the project. However, this amount does not reflect the full cost of connecting a household as the CASF awards did not subsidize 100 percent of project costs prior to AB 1665.

Siskiyou Telephone Company's Happy Camp to Somes Bar Fiber Connectivity project has the highest cost per household at $98,516, while Frontier Communication's San Bernardino County project has the lowest at $45 per household.

Table 12: Average Cost Per Household of Last-Mile CASF Projects

Approved Last-Mile Projects (including Hybrid Projects)	Total Amount Awarded	Total Estimated Potential Households	Average Cost per Household
68	$169,537,559	64,568*	$2,626

***** Estimated potential households based on CPUC resolutions approving projects.

3. Home Broadband Study

In the 2018 CASF Annual Report (published April 1, 2019), the CPUC described its vision for the Home Broadband Study to measure broadband speeds and quality of service. The Study is a result of CPUC Decision (D.) 16-12-025, which ordered a third-party survey of consumer broadband speed experience measured using the CPUC's CalSPEED fixed location test.

Figure 6 – CalSPEED Home Measurement Device

Working with California State University Monterey Bay and California State University Chico, staff has developed a small device that connects to a user's router to measure home broadband speed and quality. This CalSPEED Home Measurement device measures both WiFi and wired service.[29] With the measured data, consumers will learn if any broadband speed issues are due to their Internet service provider's (ISP) service or due to a problem with their home WiFi network.

[28] Pub. Util. Code, § 914.7(a)(8).

[29] To measure home broadband speed and quality, the device uses test protocols from CalSPEED mobile crowdsource apps and the mobile surveyor used for CalSPEED's statewide mobile drive testing project.

The CPUC is concerned with consumer protection, and many consumers of broadband service want to know whether they are getting the quality of service for which they are paying. Therefore, the CPUC is undertaking this independent broadband measurement study to help answer this question of whether ISPs are delivering advertised speeds. Data gathered from CalSPEED Home will provide helpful information to consumers and inform policymakers dealing with broadband issues such as universal service and closing the Digital Divide. Further, the data collected will help ensure that funding is directed to areas where ISPs claim to have adequate service, but where such service, in truth, is not actually delivered.

The Study is underway at https://www.calspeed.net/ where volunteers can sign up for the study and view early samples of measurement results. Our goal is to get at least 500 volunteers and we encourage readers to volunteer.

D. Line Extension Program

The Line Extension program (LEP) is part of the Infrastructure Account and subsidizes the cost of connecting an individual household or property to an existing or proposed facility-based broadband provider.[30] It has a $5 million budget of the total $300 million allocated for the Infrastructure Account. The CPUC implemented the LEP in 2019 after the CPUC issued D.19-04-022, establishing the LEP requirements, guidelines, and application materials. D.19-04-022 also set the deadlines to submit LEP applications from 2019 through 2022. The CPUC did not approve any LEP projects in 2019 although it approved one application in February 2020. The application was for a line extension built by Sebastian Corp. in Tranquility, CA and was awarded approximately $5,200.

[30] Pub. Util. Code, § 281(f)(6)(A).

CASF Rural and Urban Regional Broadband Consortia Grant Account

The Rural and Urban Regional Broadband Consortia Grant Account (Consortia Account) provides grants to eligible consortia to facilitate broadband deployment by assisting CASF infrastructure applicants in the project development or the grant application process.[31] Pursuant to AB 1665, the Consortia Account has an additional $10 million budget to support eligible consortia activities.[32] Consortia grants are distributed in different cycles, and there have been three cycles to date - in 2011, 2016, and 2019. Further, Map 1 on page 7 of this report illustrates the distribution of the 17 regional consortia by county. The Map shows that four of 58 counties are not represented by a regional consortium. They are San Francisco, San Mateo, Santa Clara, and Orange counties.[33]

The CPUC approved nine (9) consortia grants in 2019 with approximately $3.8 million in total funding.

The CPUC funds grantees for the following consortia activities consistent with Pub. Util. Code section 281[34]:

- Collaborating with the CPUC to engage regional consortia, local officials, Internet service providers, stakeholders, and consumers regarding priority areas and cost-effective strategies to achieve the broadband access goal.
- Identifying potential CASF infrastructure projects, along with other opportunities, where providers can expand and improve their infrastructure and service offerings to achieve the goal of broadband deployment to 98 percent of households in each consortia region.
- Assisting infrastructure applicants in the project development or grant application process.
- Conducting the following activities provided they lead to infrastructure applications:
  - Supporting project permitting activities.
  - Engaging local government officials and communities to better understand and explain regional broadband needs and solutions.
  - Conducting an inventory of public assets (e.g., rights-of-ways, publicly owned towers, public utility poles, equipment housing, publicly owned property) and aggregate demand, including speed tests and the identification and updates of priority areas.
- Assisting the CPUC in publicizing requests for wireline testing volunteers in areas, as needed.

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[31] Pub. Util. Code, § 281(g)(1).
[32] AB 1665 authorized an additional $10 million for the Consortia Account supplementing the previously approved $15 million.
[33] On April 23, 2020, the Communications Division sent a letter to the CASF Distribution soliciting Consortia grant applications for regions that are not currently represented or not currently funded by the CASF. Applications are due on June 5, 2020.
[34] The CPUC approved D.18-10-032 adopting revised rules and guidelines for the Consortia Account.

A. Consortia Grants Awarded in 2019

On March 29, 2019, the CPUC released a third solicitation (i.e. 2019 cycle) to accept applications for funding. The CPUC approved nine new awards, totaling approximately $3.8 million in funding.[35]

Table 13 provides details of the nine projects including grant recipient, project locations, amount approved, and anticipated completion dates. These projects are expected to facilitate broadband deployment by assisting CASF infrastructure applicants in project development or the grant application process in the respective consortia regions.

Table 13: Consortia Account, 2019 Cycle Awards Approved

	Consortium	Project Name	Counties	Anticipated Completion Date	Approved Budget
1	Broadband Consortium of the Pacific Coast	Developing the 4th Utility	San Luis Obispo, Santa Barbara, Ventura	10/31/22	$450,000
2	Central Coast Broadband Consortium	Connected Central Coast Phase III	Monterey, Santa Cruz, San Benito	10/31/22	$450,000
3	Connected Capital Area Broadband Consortium	Capital Area Broadband Consortium 2019-2022	Sacramento, Sutter, Yolo, Yuba	10/31/22	$438,560
4	Gold Country Broadband Consortium	Gold Country Broadband Consortium Project	Sierra, Nevada, Placer, El Dorado, Alpine	10/31/22	$423,010
5	Inland Empire Regional Broadband Consortium	Inland Empire Broadband Implementation	San Bernardino, Riverside	10/31/22	$450,000
6	North Bay/North Coast Broadband Consortium	Project 100/20 by 2025	Mendocino, Marin, Napa, Sonoma	10/31/22	$450,000
7	Northeast California Connect Consortium	Reducing the Digital Divide in Northeastern California	Butte; Lassen; Modoc; Plumas; Shasta; Siskiyou; Tehama	12/31/22	$355,387
8	Redwood Coast Connect Broadband Consortium	Redwood Coast Connect Deployment Support	Humboldt; Del Norte; Trinity	10/31/22	$416,025
9	Upstate California Connect Consortium	Reducing the Digital Divide in Upstate California	Glenn; Colusa; Lake	12/31/22	$318,530
	Total				**$3,751,512**

[35] CPUC Resolution T-17669.

B. Consortia Funds Expended in 2019

The CPUC disbursed $740,298 to consortia grantees in 2019. Table 14 shows the payments in 2019 and total payments, as of December 31, 2019, to the 17 consortia approved for funding in the 2016 cycle. There were no payments to projects approved in the 2019 cycle because the projects commenced only recently.

Table 14: Consortia Account, 2016 Cycle Disbursement Summary

	Consortium	Payments in CY 2019	Total Paid as of 12/31/19
1	Broadband Consortium of the Pacific Coast	$156,935	$249,684
2	Central Coast Broadband Consortium	$35,265	$35,265
3	Central Sierra Connect Broadband Consortium	$31,308	$97,605
4	Connected Capital Area Broadband Consortium	$29,866	$298,098
5	East Bay Broadband Consortium	$105,811	$226,929
6	Eastern Sierra Connect Regional Broadband Consortium	$0	$46,889
7	Gold Country Broadband Consortium	$27,781	$288,856
8	Inland Empire Regional Broadband Consortium	$37,501	$300,000
9	Inyo Mono Broadband Consortium	$45,994	$53,277
10	Los Angeles County Regional Broadband Consortium	$2,500	$594,544
11	North Bay/North Coast Broadband Consortium	$73,232	$255,724
12	Northeast California Connect Consortium	$23,885	$145,540
13	Redwood Coast Connect Broadband Consortium	$33,971	$83,047
14	San Joaquin Valley Regional Broadband Consortium	$0	$0
15	Southern Border Broadband Consortium	$62,193	$109,369
16	Tahoe Basin Project	$50,195	$193,144
17	Upstate California Connect Consortium	$23,861	$147,609
	Total	**$740,298**	**$3,125,581**

Figure 7 – FCC Chairman Ajit Pai at the Yolo County AgTech Pilot – Connected Capital Broadband Consortium.

C. Consortia Account Benefits

The disbursements to consortia groups, representing 54 out of 58 counties in California, were for the following activities in 2019:

- Identifying potential CASF infrastructure projects, along with other opportunities, where providers can expand and improve their infrastructure and service offerings to achieve the CASF program goal.
- Providing information and data about broadband availability and demand aggregation to local broadband providers and informing them about the CASF funding opportunity.
- Inventorying regional broadband assets or mapping broadband availability in the area.
- Increasing adoption through efforts such as digital literacy training.
- Educating and informing policymakers about broadband deployment, access, and adoption and identifying existing barriers and prospective strategies to bridge the Digital Divide.[36]

To assess Consortia Account benefits, CPUC Staff sent consortia grantees a data request on December 30, 2019, requesting outcomes of consortia access, adoption, and deployment efforts in 2019. The following are a summary of the responses.

- Ten of the 17 consortia responded detailing their efforts in deployment and adoption, as shown in Attachment C.
- Five of the consortia[37] respondents reported their deployment and adoption activities, four consortia[38] reported their deployment activities, and one consortium[39] reported its adoption and access activities.
- Seven consortia did not respond.[40]
- Two consortia (Central Coast and Northeast California Connect) reported that they participated in developing broadband infrastructure applications in 2019 for the 12 infrastructure projects shown in Table 8.
- Four other consortia (Gold Country, Inland Empire, Pacific Coast, and Upstate California Connect) reported they supported potential infrastructure projects in discussion and development in their region or participated in other deployment related activities in 2019.

[36] Prior to AB 1665's enactment, the objective of consortia activities was to promote "regionally appropriate and cost-effective broadband deployment, access, and adoption."
[37] Broadband Consortium of the Pacific Coast, Connected Capital Area Broadband Consortium, Inyo-Mono Broadband Consortium, Northeastern California Connect Consortium, and Upstate California Connect Broadband Connect Consortium.
[38] Central Coast Broadband Consortium, Gold Country Broadband Consortium, Inland Empire Broadband Consortium, and North Bay North Coast Broadband Consortium.
[39] Southern Border Broadband Consortium.
[40] Some consortia may not have activities to report due to their grants ending before or in early 2019. The non-responsive consortia are Central Sierra Connect Broadband Consortium, East Bay Broadband Consortium, Eastern Sierra Connect Regional Broadband Consortium, Los Angeles County Regional Broadband Consortium, Redwood Coast Connect Broadband Consortium, San Joaquin Valley Regional Broadband Consortium, and Tahoe Basin Project.

D. Total Consortia Grants Awarded Since Inception

As of December 31, 2019, the Consortia Account has awarded approximately $17.3 million of its total authorized $25 million in funding. It has approximately $7.7 million in remaining funds. The $17.3 million includes all grants awarded in the prior two cycles (2011 and 2016) and the existing grant cycle (2019). In addition, the CPUC hosted regional consortia learning community summits and CASF public workshops. The Consortia Account reimbursed consortia members $74,683 for participating in these summits and workshops as of December 31, 2019.

See Attachment D for a list of all grants awarded to consortia in the three cycles. Table 15 below lists the active consortia grants as of December 31, 2019.

Table 15: List of Active Consortia Grants as of December 31, 2019

	Consortium	Counties	Active Grant(s)
1	Broadband Consortium of the Pacific Coast	San Luis Obispo, Santa Barbara, Ventura	2019 Cycle Grant
2	Central Coast Broadband Consortium	Monterey, Santa Cruz, San Benito	2016 Cycle Grant; 2019 Cycle Grant
3	Central Sierra Connect Broadband Consortium	Amador, Calaveras, Tuolumne, Mariposa, Western Alpine	2016 Cycle Grant
4	Connected Capital Area Broadband Consortium	Sacramento, Sutter, Yolo, Yuba	2019 Cycle Grant
5	Gold Country Broadband Consortium	Sierra, Nevada, Placer, El Dorado, Eastern Alpine	2019 Cycle Grant
6	Inland Empire Regional Broadband Consortium	San Bernardino, Riverside	2019 Cycle Grant
7	North Bay/North Coast Broadband Consortium	Mendocino, Marin, Napa, Sonoma	2019 Cycle Grant
8	Northeast California Connect Consortium	Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama	2016 Cycle Grant; 2019 Cycle Grant
9	Redwood Coast Connect Broadband Consortium	Humboldt, Del Norte, Trinity	2019 Cycle Grant
10	Southern Border Broadband Consortium	San Diego, Imperial	2016 Cycle Grant
11	Upstate California Connect Consortium	Glenn, Colusa, Lake	2016 Cycle Grant; 2019 Cycle Grant

CASF Broadband Adoption Account

The CASF Broadband Adoption Account (Adoption Account) provides funding to increase publicly available or after-school broadband access and digital inclusion. The Adoption Account has authority to spend $20 million on eligible projects.[41]

Eligible applicants[42] can request funding for the following projects:

- **Digital Inclusion**: Projects providing digital literacy training and public education to communities with limited broadband adoption including low-income communities, senior communities, and communities facing socioeconomic barriers to broadband adoption.
- **Broadband Access**: Projects providing free broadband access in community training rooms or other public space, such as local government centers, senior centers, schools, public libraries, non-profit organizations, and community based organizations. These projects may also include community outreach, such as providing analysis and comparison of Internet plans within the community, and call centers that will increase broadband access and adoption.

Applicants must demonstrate need for project funding in their applications by including the demographic and socio-economic data of the community to be served. Applicants are evaluated on the projects' merits, applicant partnerships and community support, outreach training, and enrollment targets.

A. Changes to the Adoption Account in 2019

The CPUC adopted Decision (D.) 19-02-008 making the following modifications to the Adoption Account after soliciting comments through its administrative process on revisions to the program.

- Implementing a $7.5 million award cap per cycle.
- Clarifying reimbursable project costs and implementing an 85 percent funding cap per project.
- Setting application windows for 2019.
- Assigning CPUC staff the task to make administrative changes through the CPUC resolution process.

[41] D.18-06-032 established rules and eligibility criteria for the first grant cycle. D.19-02-008 made further modifications to application requirements and guidelines.

[42] Eligible entities include local governments, senior centers, schools, public libraries, nonprofit and community-based organizations with programs to increase publicly available or after school broadband access and digital inclusion, such as digital literacy and training programs. Priority is given to communities with demonstrated low broadband access and/or subscription rates in low-income communities, senior communities, and communities facing socio economic barriers to broadband adoption.

B. Adoption Grants Awarded in 2019

The Adoption Account had two application windows in 2019, one on March 1 and the second on August 1. The CPUC approved 102 projects totaling approximately $5.8 million in grants after reviewing the applications received. Table 16 provides a summary of the types of approved projects.

The CPUC approved 102 projects in 2019 awarding approximately $5.8 million in total grant funding.

Table 16: Summary of Approved Projects in 2019

	Digital Literacy	Broadband Access	Broadband Access – Call Centers	Total Approved
Projects	90	8	4	**102**
Funding	$2,880,458	$220,404	$2,712,633	**$5,813,494**

Attachment E lists the projects approved in 2019 and all projects approved since Adoption Account inception in 2018. They provide project details including project name, grant recipient, project type, completion status, and grant amount.

C. Adoption Account Benefits

The Adoption Account benefits can be expressed as the number of people receiving training through the digital literacy projects and the number of people provided broadband access through the broadband access projects. Staff sent data requests to grant recipients to learn the number of people who have benefited from projects. A summary of the data collected is provided in the following bullet points. These numbers will continue to increase as most of the projects are ongoing. Attachments E provides benefits for each project.

- **Digital Literacy:** 3,877 people completed eight hours or more of digital literacy training of the 106 projects awarded as of December 31, 2019.
- **Broadband Access**: 42,458 people were provided broadband access by 23 projects as of December 31, 2019.
- **Broadband Call Center**: 1,105 new broadband subscriptions resulted from three projects awarded as of December 31, 2019.

D. Broadband Adoption Levels as of December 31, 2018

Table 17 on the following page provides broadband adoption levels for each county as of December 31, 2018.[43] The data are aggregated at the census tract level and staff analyzes data as reported by providers.[44] However, census tracts are not granular enough to evaluate adoption to particular households or adoption project areas. Providers also report adoption levels by consumer connections,[45] instead of households.

There is an increasing national focus on the necessity of more granular data for broadband deployment, adoption, and affordability. The CPUC is participating in the FCC Digital Opportunity Data Collection proceeding, which seeks to develop a new process for collecting more granular broadband deployment data.[46]

Maps 5 and 6 on pages 32 and 33 depict broadband adoption by county at minimum speeds of 6/1 Mbps and 25/3 Mbps, respectively.[47]

[43] The latest data on broadband adoption levels are from December 2018 at the time of this report.
[44] D.16-12-025.
[45] Consumer connections include subscriptions to housing units, including unoccupied housing units.
[46] In the Matter of *Establishing the Digital Opportunity Data Collection, Modernizing the FCC Form 477 Data Program*, (WC Docket Nos. 19-195, 11-10), Comments of the California Public Utilities Commission, filed September 24, 2019.
[47] These maps are available at: https://public.tableau.com/profile/cpuc#!/vizhome/EOY2018BroadbandAdoptionsbyHousingUnits/Adoption.

Table 17: Broadband Adoption of at least 6/1 Mbps by County as of December 31, 2018.

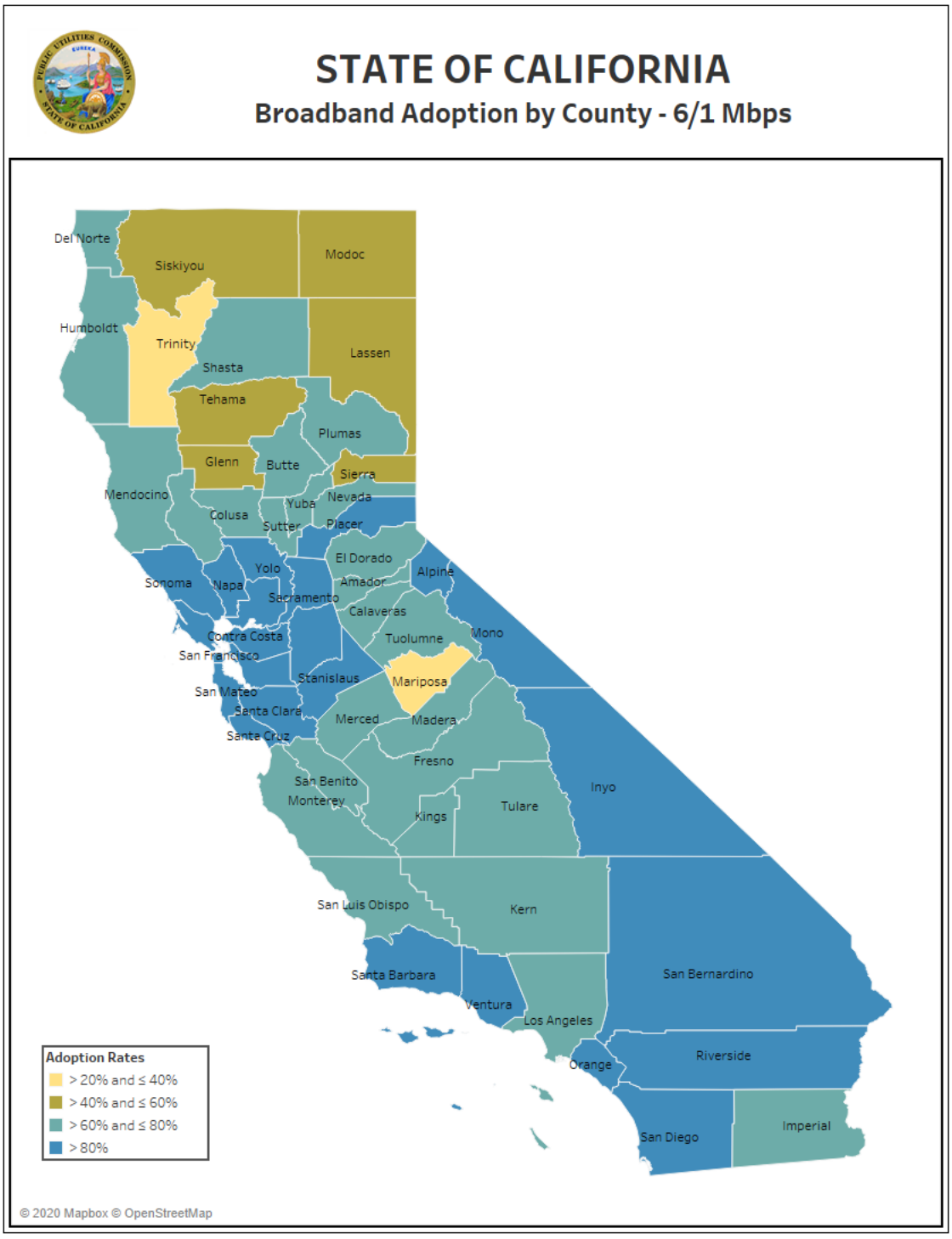
County	All Households (CA DOF 1/1/2019)	Households Offered Broadband Internet Access Service (At least 6 Mbps down and 1 Mbps up)	Consumer Connections (At least 6 Mbps down and 1 Mbps up)	Broadband Adoption Rate (6 Mbps down and 1 Mbps up)
		Number	Number	Percent
California	**13,085,036**	**12,701,427**	**10,558,422**	**83.1%**
Alameda	572,918	562,272	499,486	88.8%
Alpine*	524	92	491	*93.7%*
Amador	14,781	13,342	10,072	75.5%
Butte	79,452	76,115	54,584	71.7%
Calaveras	19,102	17,627	14,043	79.7%
Colusa	7,367	4,680	3,041	65.0%
Contra Costa	389,644	384,159	356,047	92.7%
Del Norte	10,138	9,154	7,044	76.9%
El Dorado	73,083	67,987	52,135	76.7%
Fresno	304,353	290,524	225,847	77.7%
Glenn	10,222	8,763	4,445	50.7%
Humboldt	57,757	53,503	37,078	69.3%
Imperial	51,252	46,513	29,464	63.3%
Inyo	8,080	6,753	5,675	84.0%
Kern	267,676	257,253	196,725	76.5%
Kings	43,585	39,296	29,505	75.1%
Lake	25,844	20,727	13,990	67.5%
Lassen	10,455	7,031	3,823	54.4%
Los Angeles	3,350,389	3,314,087	2,546,847	76.8%
Madera	44,210	42,308	26,087	61.7%
Marin	104,289	102,041	92,022	90.2%
Mariposa	7,913	6,597	1,573	23.8%
Mendocino	35,361	26,595	16,646	62.6%
Merced	80,144	74,835	54,929	73.4%
Modoc	4,312	1,914	1,105	57.7%
Mono*	5,787	4,633	6,704	*115.8%*
Monterey	127,872	122,518	96,302	78.6%
Napa	49,581	48,245	41,711	86.5%

* Due to high percentage of vacant, seasonal, recreational, or occasional use consumer connections, the adoption rate is calculated from all households in the county to more accurately depict adoption.

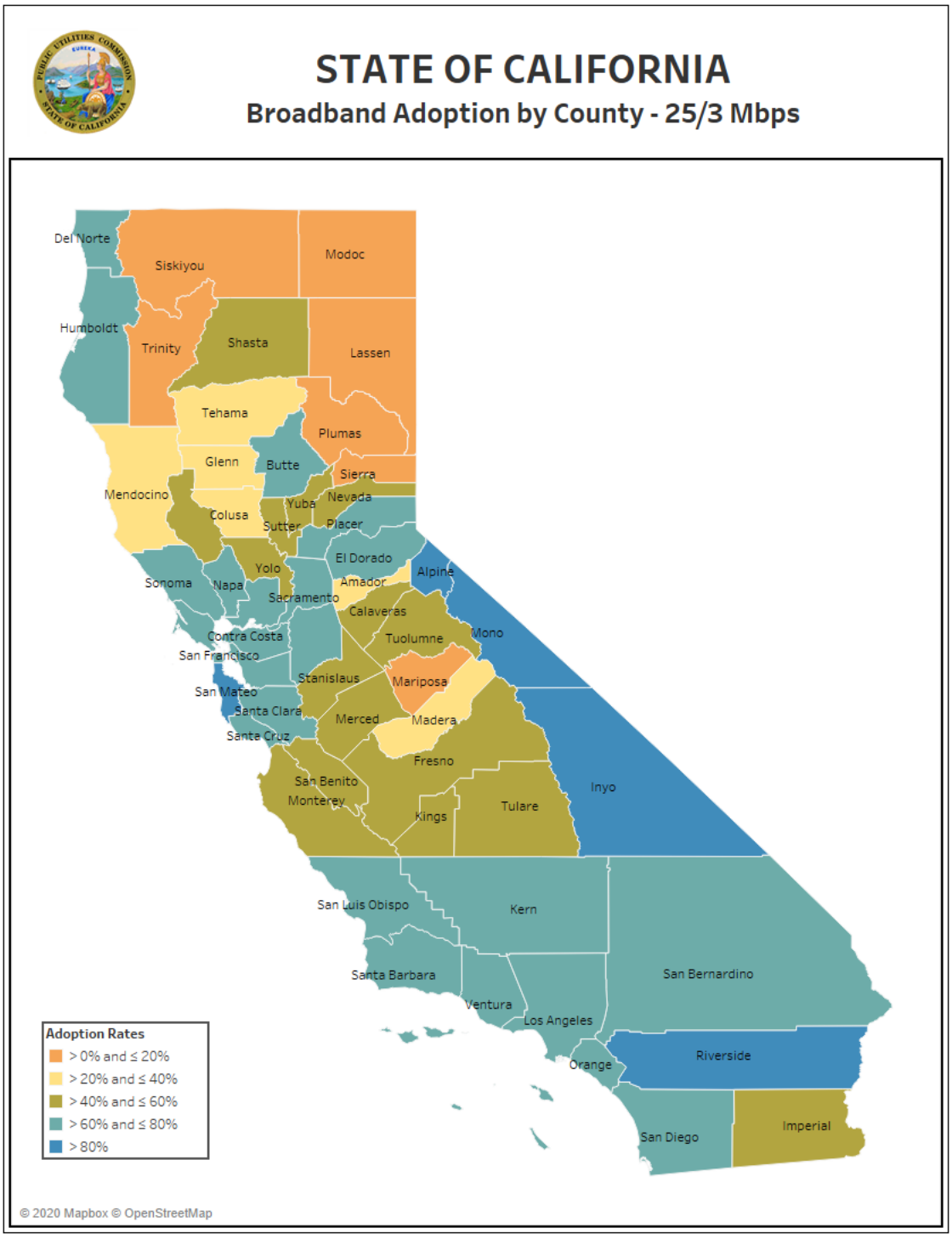
County	All Households (CA DOF 1/1/2019)	Households Offered Broadband Internet Access Service (At least 6 Mbps down and 1 Mbps up)	Consumer Connections (At least 6 Mbps down and 1 Mbps up)	Broadband Adoption Rate (6 Mbps down and 1 Mbps up)
		Number	Number	Percent
Nevada	42,499	39,246	28,977	73.8%
Orange	1,046,676	1,000,821	894,765	89.4%
Placer	145,911	140,869	115,863	82.2%
Plumas	9,406	8,014	5,207	65.0%
Riverside	725,160	702,252	626,506	89.2%
Sacramento	526,804	514,874	452,670	87.9%
San Benito	18,156	17,441	13,478	77.3%
San Bernardino	637,569	618,780	512,731	82.9%
San Diego	1,134,032	1,096,514	1,009,865	92.1%
San Francisco	365,197	363,884	297,165	81.7%
San Joaquin	225,087	219,449	180,599	82.3%
San Luis Obispo	107,642	104,024	81,988	78.8%
San Mateo	266,217	263,690	247,713	93.9%
Santa Barbara	149,506	145,087	120,354	83.0%
Santa Clara	641,019	624,582	561,086	89.8%
Santa Cruz	95,943	93,327	77,258	82.8%
Shasta	71,534	64,834	46,607	71.9%
Sierra	1,561	736	374	50.8%
Siskiyou	19,932	16,890	9,750	57.7%
Solano	148,301	144,027	130,481	90.6%
Sonoma	186,384	181,850	152,308	83.8%
Stanislaus	165,698	162,213	130,548	80.5%
Sutter	32,154	31,161	24,120	77.4%
Tehama	24,366	20,582	10,451	50.8%
Trinity	6,228	4,296	1,286	29.9%
Tulare	138,940	128,289	83,905	65.4%
Tuolumne	22,435	19,919	12,790	64.2%
Ventura	275,217	269,075	227,150	84.4%
Yolo	73,648	70,859	57,545	81.2%
Yuba	25,723	24,278	17,461	71.9%

Table 17 Sources: CPUC broadband data collection as of December 2018; household information is based on the California Department of Finance, January, 1 2019 estimate. Broadband Internet access service is assumed to be deployment to all households in census blocks where at least one household is offered service at speeds exceeding 200 kbps in at least one direction. Broadband Adoption Rate is defined as the percentage of consumer fixed broadband access connections over the total households offered broadband Internet access service.

Map 5: Broadband Adoption of at least 6/1 Mbps by County as of December 31, 2018



Map 6: Broadband Adoption of at least 25/3 Mbps by County as of December 31, 2018



CASF Broadband Public Housing Account

The CASF Broadband Public Housing Account (BPHA) provides grants for broadband connectivity and adoption in publicly supported housing communities.[48] An eligible applicant is either a publicly supported community (PSC) that is wholly owned by a public housing agency or an incorporated non-profit organization (501(c)(3) that has received public funding to subsidize housing construction or maintenance costs. The eligible housing is occupied by residents whose annual income qualifies as "low" or "very low" according to federal poverty guidelines.[49]

The BPHA has a $25 million budget, which is allocated for two types of projects:

- 1) **Infrastructure Projects**: $20 million in grant funding to finance infrastructure projects connecting PSCs with broadband;
- 2) **Adoption Projects**: $5 million in grant funding to finance broadband adoption projects for residents in PSCs.

The CPUC is no longer accepting applications for adoption projects, as the $5 million dedicated to broadband adoption through the BPHA has been fully allocated as of October 17, 2018. Grants for infrastructure projects are limited to unserved[50] housing developments. [51] Additionally, PSCs eligible for funding via the BPHA may submit an application for funding from the CASF Infrastructure Account and/or Adoption Account, only after all funds from the BPHA have been awarded.[52]

See Attachments F-1 and F-2 for all projects approved as of December 31, 2019.

A. Public Housing Grants Awarded in 2019

The CPUC did not issue any awards from the BPHA in 2019. The CPUC received one application for an infrastructure project in 2019 and this project was approved in February 2020.[53] Other than this one application, there have been no applications for Public Housing Account funds for infrastructure projects since October 2016. This is because most locations do not qualify under existing rules as these locations would not be unserved housing developments as defined by Pub. Util. Code section 281(i)(3)(B)(i) and D.18-06-032. Staff is considering modifications to D.18-06-032 in order to allow for greater program participation in 2020.

[48] The CPUC adopted D.14-12-032 which established rules and eligibility criteria for the BPHA. D.18-06-032 made further modifications to the BPHA application requirements and guidelines.
[49] Pub. Util. Code, § 281(i)(B)(i) and (ii).
[50] A housing development is unserved when at least one housing unit within the housing development is not offered broadband Internet service, (Pub. Util. Code, § 281(i)(3)(B)(ii)). D.19-02-008 further specifies that a housing unit is 'not offered broadband service' if the unit does not have access to a commercially available broadband Internet service, such as Digital Subscriber Line (DSL), a cable modem, or another protocol, available at the unit.
[51] SB 745 (Hueso), Ch. 710, Stats. 2016 and AB 1665 (Garcia), Ch. 851, Stats. 2017 are codified at Pub. Util. Code, § 281.
[52] *Id.*
[53] CPUC Resolution T-17684 which authorized funding for the Northern Valley Catholic Social Service Woodlands II infrastructure project in the amount of $35,949.

B. Public Housing Funds Expended in 2019

Although the CPUC did not issue any new awards from the BPHA in 2019, it continued to reimburse for previously approved BPHA projects. Table 18, below, shows that the CPUC expended approximately $1.4 million in funding across 12 counties in 2019.

Table 18: Funds Expended by County in 2019

County	Payments
Alameda	$448,057
Contra Costa	$75,274
Fresno	$14,866
Kern	$15,808
Monterey	$10,020
Sacramento	$154,206
San Bernardino	$21,043
San Francisco	$105,533
San Luis Obispo	$103,988
Santa Barbara	$131,020
Santa Clara	$181,577
Yolo	$136,298
Total	**$1,397,690**

Figure 8 – Tech Exchange, Oakland Unified School District, CASF Public Housing Grantee.

C. Public Housing Account Benefits

1. Infrastructure Projects

The 284 infrastructure projects completed to date (out of 323 awarded) provide free broadband connectivity to 19,069 public housing units, at an average cost of $413 per housing unit.[54] Completed projects are expected to provide residents Internet service speeds of at least 6 Mbps downstream and 1.5 Mbps upstream. The BPHA only subsidizes project costs for inside wiring installation and equipment required for inside network (both wired and wireless) construction. It does not subsidize for maintenance or operational costs such as the ongoing cost of an Internet service provider (ISP) circuit.

The CPUC requires grantees to maintain the installed networks for a five-year period after project completion and to report network performance information. The CPUC considers residents of a funded location as "broadband subscribers" as the coverage provided by a project is ubiquitous. Further, the CPUC requires grantees to submit quarterly post-completion network services performance reports for five years that provide the percentage of uptime,[55] the number of unique log-ons by individuals,[56] and the amount of data used.[57]

In 2019, CPUC staff did an analysis of the available 2018 quarterly report data and found that 25 completed project sites performed poorly. CPUC staff conducted site visits at these 25 project locations between February 2019 to April 2019. The site visits consisted of interviews with grantees and their network contractors and observations made during the site walk of the network installation, including workmanship, engineering and design, provisioning and configuration, operations, and maintenance. Staff conducted network speed tests around and inside residential units and at the minimum point of entry (MPOE) where ISP service enters the property. These tests were conducted to determine whether the subscribed Internet bandwidth can meet the necessary Internet speeds to the residents.[58] Staff made recommendations to improve network capacity and performance and addressed other issues such as network security. A report with further details on the visits is available on the CASF Public Housing Account website.[59]

Staff also visited an additional 45 (poorly performing[60] or newly completed) sites later in 2019 following the above procedure and making appropriate recommendations. Altogether, staff visited 70 total sites in 2019.

The outcome of the site visits was positive. Most grantees followed staff recommendations and took corrective measures to improve broadband service quality such as purchasing additional

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[54] Grantees may charge up to $20 per month for broadband service (D.18-06-032, Section 1.11, Proposed Pricing); however, no grantees are known to charge residents for the service.
[55] The time or percentage the network services are up and operational.
[56] The number of individual devices that have logged-in and accessed the network in a month to use the Internet.
[57] Data usage occurs whenever an individual stream, download, upload, use apps, or open browsers.
[58] D.18-06-032, pp. 14-15, Expedited Review, "Proposed project network is capable of offering residents Internet service speeds of at least 6 Mbps downstream/1 Mbps upstream . . ."
[59] Visit https://www.cpuc.ca.gov/General.aspx?id=908 and click "Site Visit Report of BPHA Infrastructure Projects."
[60] Based on network performance reporting after project completion.

bandwidth from their ISP to meet network performance requirements and taking timely actions to rectify network failures. Most grantees also submitted timely reports to the CPUC.

2. Adoption Projects

Table 19 below summarizes the project participation and costs for BPHA Adoption Projects. The 77 adoption projects completed to date (out of 128 awarded) provided digital literacy training to 3,730 public housing residents (the total resident population for all project locations is 15,512). The total average cost is $517 per resident trained. Grantees are required to provide project outcomes including the number of residents trained and the number of residents trained who subscribe to broadband. Of those who completed the digital literacy training, 81.5 percent subscribe to broadband.[61]

Table 19: Summary of Project Participation and Costs as of December 31, 2019

Projects Completed	Total Awarded	Total Payments	Total Residents	Residents Trained	Percent of Total Residents Trained	Percent Trained that Subscribe to Broadband	Average Cost per Resident Trained
77	$2,383,403	$1,929,670	15,539	3,730	24%	81.5%	$517

See Attachment G for completed projects costs and participation as of December 31, 2019.

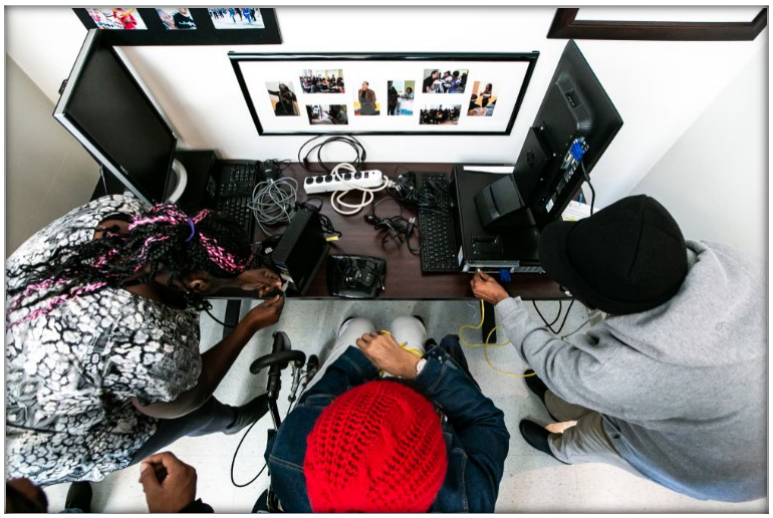

Figure 9 – Tech Exchange providing digital literacy classes in Lockwood Gardens, a CASF grantee.

[61] Residents trained who live in locations where a Public Housing infrastructure project was completed are considered to 'subscribe to broadband' since the service is meant to be ubiquitous and is being offered free of charge by the PSC.

D. Total Public Housing Projects Awarded

Since inception, the CPUC has approved a total of 323 BPHA infrastructure projects and 128 BPHA adoption projects throughout California. Table 20 details the number of projects, awards, and payments in 2019 and pre-2019. Further, Map 7 depicts the locations of all projects approved in each county.

Table 20: CASF Public Housing Grants Summary as of December 31, 2019

Calendar Year	Grant Type	Projects Submitted	Total Funding Requested	Projects Awarded	Total Awarded*	Payments
Pre 2019	Infrastructure	493	$15,011,224	323	$9,192,704	$7,411,024
	Adoption	169	$6,170,389	128	$4,671,020	$1,300,128
2019	Infrastructure	1	$45,280	0	$0	$528,087
	Adoption	0	$0	0	$0	$869,606
Totals	Infrastructure	494	$15,056,504	323	$9,192,704	$7,939,111
	Adoption	169	$6,170,389	128	$4,671,020	$2,169,734
	Total	**663**	**$21,226,893**	**451**	**$13,863,723**	**$10,108,845**

*** See Attachments F-1 and F-2 for listings of approved projects with award amounts and payments made**

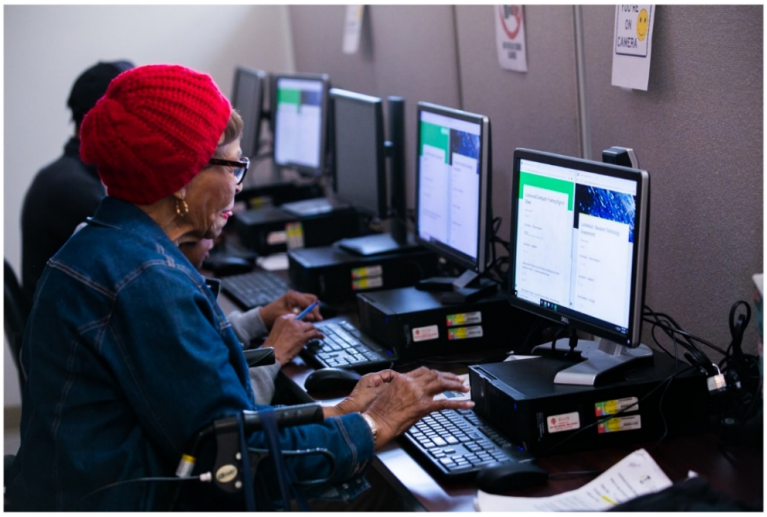

Figure 10 – Tech Exchange Providing Digital Literacy Classes in Lockwood Gardens, a CASF grantee.

Map 7: Location of All Approved Public Housing Account Projects

Leveraging Non-CASF Funds

The CPUC has participated in federal universal service fund proceedings at the FCC to leverage federal funds for broadband deployment. In 2019, the FCC announced the launch of its new Rural Digital Opportunity Fund (RDOF), which will provide $20.4 billion in funding over ten years for infrastructure projects offering minimum broadband speeds of 25/3 Mbps. The "CPUC Activities on RDOF" section below describes the CPUC efforts to leverage RDOF funding for California.

However, Pub. Util. Code section 281 presents challenges in leveraging federal funding. For example, the current CASF statute defines an "unserved household" as one for which no facility-based broadband provider offers broadband service at speeds of at least 6/1 Mbps. This is inconsistent with the FCC's RDOF definition of "unserved," which is set at speeds less than 25/3 Mbps. Further, the current statute prohibits CASF Infrastructure funds from subsidizing project costs funded by a federal program.[62] These issues complicate matters when different speed thresholds and different treatments for federal funding must be considered.

CPUC Activities on RDOF: The FCC opened a proceeding to solicit comments on how it should implement the RDOF program. The CPUC provided comments[63] and met with FCC staff multiple times[64] to encourage the FCC to work with state broadband programs so that states can leverage as much as possible to further universal service goals. The CPUC noted that federal funding can go further if it is matched with state funding, documenting for FCC staff that recent research identified 30 to 35 states that manage their own broadband infrastructure development programs.[65] Throughout this process, CPUC Commissioners and staff encouraged the FCC to incorporate provisions in the RDOF aligning with state broadband programs to leverage federal funds with the significant array of state resources.

Although two FCC Commissioners noted the work of the CPUC on the RDOF, the FCC did not implement the CPUC's suggestions, nor of other states, in the final RDOF rules.[66] However, staff believes that California can still leverage federal RDOF funding, albeit not to the maximum level recommended. The CPUC continues to advocate for California and recommended to the FCC simple procedural mechanisms to support federal – state coordination in the registration process for the first RDOF auction.[67]

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[62] Pub. Util. Code, § 281(f)(12).
[63] In the Matter of the *Rural Digital Opportunity Fund, Connect America Fund*, (WC Docket Nos. 19-126, 10-90), Comments of the California Public Utilities Commission, filed September 20, 2019, and Reply Comments filed October 21, 2019.
[64] In the Matter of the Rural Digital Opportunity Fund, Connect America Fund, (WC Docket Nos. 19-126, 10-90), CPUC Ex Parte Notices filed December 5, 2019, January 13, 2020, January 22, 2020, January 24, 2020, February 26, 2020, and March 2, 2020.
[65] The Pew Charitable Trusts; *State Broadband Policy Explorer,* (July 31, 2019).
[66] FCC Rural Digital Opportunity Fund Report and Order, 35 FCC Rcd. 686 (1), (rel. February 7, 2020). Rosenwercel and Starks' Statements Approving in Part and Dissenting in Part at pp. 99 – 108.
[67] In the Matter of the *Rural Digital Opportunity Fund, Connect America Fund*, (WC Docket Nos. 19-126, 10-90), Comments of the California Public Utilities Commission, filed March 27, 2020.

Attachments

Attachment A: Wireline and Fixed Wireless Served Status by County as of December 31, 2018 42

Attachment B: Infrastructure Account Projects as of December 31, 2019 45

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Attachment A: Wireline and Fixed Wireless Served Status by County as of December 31, 2018

STATE of CALIFORNIA

Wireline + Fixed Wireless Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2018

County	All Households (CA DOF 1/1/2019)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service[2])	
		Number	Percent	Number	Percent	Number	Percent
California	**13,085,036**	**12,701,427**	**97.1 %**	**54,345**	**0.4 %**	**329,264**	**2.5 %**
Alameda	572,918	562,272	98.1 %	275	0.0 %	10,371	1.8 %
Alpine	524	92	17.6 %	7	1.3 %	425	81.1 %
Amador	14,781	13,342	90.3 %	758	5.1 %	681	4.6 %
Butte	79,452	76,115	95.8 %	1,343	1.7 %	1,994	2.5 %
Calaveras	19,102	17,627	92.3 %	212	1.1 %	1,263	6.6 %
Colusa	7,367	4,680	63.5 %	76	1.0 %	2,611	35.4 %
Contra Costa	389,644	384,159	98.6 %	478	0.1 %	5,007	1.3 %
Del Norte	10,138	9,154	90.3 %	0	0.0 %	984	9.7 %
El Dorado	73,083	67,987	93.0 %	1,041	1.4 %	4,055	5.5 %
Fresno	304,353	290,524	95.5 %	5,645	1.9 %	8,184	2.7 %
Glenn	10,222	8,763	85.7 %	362	3.5 %	1,097	10.7 %
Humboldt	57,757	53,503	92.6 %	566	1.0 %	3,688	6.4 %
Imperial	51,252	46,513	90.8 %	1,088	2.1 %	3,651	7.1 %
Inyo	8,080	6,753	83.6 %	6	0.1 %	1,321	16.3 %
Kern	267,676	257,253	96.1 %	694	0.3 %	9,729	3.6 %
Kings	43,585	39,296	90.2 %	1,316	3.0 %	2,973	6.8 %
Lake	25,844	20,727	80.2 %	2,371	9.2 %	2,746	10.6 %
Lassen	10,455	7,031	67.3 %	247	2.4 %	3,177	30.4 %
Los Angeles	3,350,389	3,314,087	98.9 %	1,384	0.0 %	34,918	1.0 %
Madera	44,210	42,308	95.7 %	140	0.3 %	1,762	4.0 %
Marin	104,289	102,041	97.8 %	533	0.5 %	1,715	1.6 %
Mariposa	7,913	6,597	83.4 %	405	5.1 %	911	11.5 %
Mendocino	35,361	26,595	75.2 %	733	2.1 %	8,033	22.7 %
Merced	80,144	74,835	93.4 %	2,536	3.2 %	2,773	3.5 %
Modoc	4,312	1,914	44.4 %	60	1.4 %	2,338	54.2 %
Mono	5,787	4,633	80.1 %	31	0.5 %	1,123	19.4 %
Monterey	127,872	122,518	95.8 %	483	0.4 %	4,871	3.8 %
Napa	49,581	48,245	97.3 %	176	0.4 %	1,160	2.3 %

Sources:
Broadband deployment data collected from Internet Service Providers and validated by the California Public Utilities Commission. The CPUC defines "broadband service" as Internet connectivity with download / upload speeds of at least 200 Kbps in one direction. Such service is considered "available" if the provider can provision new requests for service within 10 business days.
Household data is based on the California Department of Finance, January 1, 2018 estimate.

[2]Dial-up only service is included in the "No Service" category.

STATE of CALIFORNIA

Wireline + Fixed Wireless Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2018

County	All Households (CA DOF 1/1/2019)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service[2])	
		Number	Percent	Number	Percent	Number	Percent
Nevada	42,499	39,246	92.3 %	1,162	2.7 %	2,091	4.9 %
Orange	1,046,676	1,000,821	95.6 %	7,532	0.7 %	38,323	3.7 %
Placer	145,911	140,869	96.5 %	1,657	1.1 %	3,385	2.3 %
Plumas	9,406	8,014	85.2 %	19	0.2 %	1,373	14.6 %
Riverside	725,160	702,252	96.8 %	1,071	0.1 %	21,837	3.0 %
Sacramento	526,804	514,874	97.7 %	2,969	0.6 %	8,961	1.7 %
San Benito	18,156	17,441	96.1 %	45	0.2 %	670	3.7 %
San Bernardino	637,569	618,780	97.1 %	801	0.1 %	17,988	2.8 %
San Diego	1,134,032	1,096,514	96.7 %	1,844	0.2 %	35,674	3.1 %
San Francisco	365,197	363,884	99.6 %	84	0.0 %	1,229	0.3 %
San Joaquin	225,087	219,449	97.5 %	616	0.3 %	5,022	2.2 %
San Luis Obispo	107,642	104,024	96.6 %	276	0.3 %	3,342	3.1 %
San Mateo	266,217	263,690	99.1 %	384	0.1 %	2,143	0.8 %
Santa Barbara	149,506	145,087	97.0 %	537	0.4 %	3,882	2.6 %
Santa Clara	641,019	624,582	97.4 %	236	0.0 %	16,201	2.5 %
Santa Cruz	95,943	93,327	97.3 %	122	0.1 %	2,494	2.6 %
Shasta	71,534	64,834	90.6 %	1,435	2.0 %	5,265	7.4 %
Sierra	1,561	736	47.1 %	146	9.4 %	679	43.5 %
Siskiyou	19,932	16,890	84.7 %	579	2.9 %	2,463	12.4 %
Solano	148,301	144,027	97.1 %	178	0.1 %	4,096	2.8 %
Sonoma	186,384	181,850	97.6 %	709	0.4 %	3,825	2.1 %
Stanislaus	165,698	162,213	97.9 %	888	0.5 %	2,597	1.6 %
Sutter	32,154	31,161	96.9 %	254	0.8 %	739	2.3 %
Tehama	24,366	20,582	84.5 %	1,682	6.9 %	2,102	8.6 %
Trinity	6,228	4,296	69.0 %	153	2.5 %	1,779	28.6 %
Tulare	138,940	128,289	92.3 %	3,391	2.4 %	7,260	5.2 %
Tuolumne	22,435	19,919	88.8 %	952	4.2 %	1,564	7.0 %
Ventura	275,217	269,075	97.8 %	809	0.3 %	5,333	1.9 %
Yolo	73,648	70,859	96.2 %	445	0.6 %	2,344	3.2 %
Yuba	25,723	24,278	94.4 %	403	1.6 %	1,042	4.1 %

Sources:
Broadband deployment data collected from Internet Service Providers and validated by the California Public Utilities Commission. The CPUC defines "broadband service" as Internet connectivity with download / upload speeds of at least 200 Kbps in one direction.
Household data is based on the California Department of Finance, January 1, 2019 estimate.

[2]Dial-up only service is included in the "No Service" category.

California Public Utilities Commission

STATE of CALIFORNIA

Wireline + Fixed Wireless Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2018

Consortium	All Households (CA DOF 1/1/2019)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service[2])	
		Number	Percent	Number	Percent	Number	Percent
California	**13,085,036**	**12,701,427**	**97.1 %**	**54,345**	**0.4 %**	**329,264**	**2.5 %**
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,272,433	1,252,156	98.4 %	704	0.1 %	19,573	1.5 %
Broadband Consortium of the Pacific Coast	532,365	518,186	97.3 %	1,622	0.3 %	12,557	2.4 %
Central Coast Broadband Consortium	241,971	233,286	96.4 %	650	0.3 %	8,035	3.3 %
Central Sierra Connect Consortium	64,341	57,577	89.5 %	2,334	3.6 %	4,430	6.9 %
Connected Capital Area BB Consortium	658,329	641,172	97.4 %	4,071	0.6 %	13,086	2.0 %
East Bay Broadband Consortium	1,110,863	1,090,458	98.2 %	931	0.1 %	19,474	1.8 %
Eastern Sierra Connect Regional Broadband Consortium	48,548	43,835	90.3 %	299	0.6 %	4,414	9.1 %
Gold Country BB Consortium	263,468	248,838	94.4 %	4,006	1.5 %	10,624	4.0 %
• Tahoe Basin Project[3]	18,678	17,994	96.3 %	314	1.7 %	370	2.0 %
Inyo / Mono Broadband Consortium	13,867	11,386	82.1 %	37	0.3 %	2,444	17.6 %
Inland Empire Regional BB Consortium	1,362,729	1,321,032	96.9 %	1,872	0.1 %	39,825	2.9 %
Los Angeles County Regional Broadband Consortium	3,350,389	3,314,087	98.9 %	1,384	0.0 %	34,918	1.0 %
North Bay / North Coast Broadband Consortium	375,615	358,731	95.5 %	2,151	0.6 %	14,733	3.9 %
Northeast California Connect Consortium	219,457	195,380	89.0 %	5,365	2.4 %	18,712	8.5 %
Orange County (no consortium)	1,046,676	1,000,821	95.6 %	7,532	0.7 %	38,323	3.7 %
Redwood Coast Connect Consortium	74,123	66,953	90.3 %	719	1.0 %	6,451	8.7 %
San Joaquin Valley Regional Broadband Consortium	1,221,145	1,170,332	95.8 %	14,927	1.2 %	35,886	2.9 %
Southern Border Broadband Consortium	1,185,284	1,143,027	96.4 %	2,932	0.2 %	39,325	3.3 %
Upstate California Connect Consortium	43,433	34,170	78.7 %	2,809	6.5 %	6,454	14.9 %

Sources:
Broadband deployment data collected from Internet Service Providers and validated by the California Public Utilities Commissi on. The CPUC defines "broadband service" as Internet connectivity with download / upload speeds of at least 200 Kbps in one direction.
Household data is based on the California Department of Finance, January 1, 2019 estimate.

[2]Dial-up only service is included in the "No Service" category.
[3]A project of the Gold Country BB Consortium. Not included in the California total. T-17550.
[4]Under Resolution T-17550 - ESCRBC maintains a three-county region even though responsibility for broadband development in Inyo and Mono counties is currently being managed by a sub-regional consortium, the Inyo Mono Broadband Consortium.

Attachment B: Infrastructure Account Projects as of December 31, 2019

No.	Recipient	Project Name	County	Approval; Resolution(s)	Project Type[1]	Total Award as of 12/31/19[2]	Total Paid as of 12/31/19	Potential Estimated Households[3]	Cost per Household[4]	Subscribed Households as of 12/31/19[5]	Completion or Expected[6]
1	Anza Electric Coop.	Connect Anza Phase I	Riverside	12/17/2015; T-17503	Last-Mile	$ 2,662,450	$ 2,662,450	3,751	$ 710	1,558	Complete Dec. 2017
2	Anza Electric Coop.	Connect Anza Phase II	Riverside	5/31/2018; T-17581	Last-Mile	$ 1,796,070	$ 690,237	413	$ 4,349	--	2020
3	AT&T California	Blanchard	Mariposa	11/21/2008; T-17182	Last-Mile	$ 35,816	$ 24,963	123	$ 291	148	Complete May 2011
4	AT&T California	Grenada	Siskiyou	11/21/2008; T-17182	Last-Mile	$ 57,596	$ 20,150	275	$ 209	127	Complete May 2011
5	AT&T California	Hopland	Mendocino	11/21/2008; T-17182	Last-Mile	$ 61,952	$ 22,306	328	$ 189	251	Complete May 2011
6	AT&T California	Mt. Wilson	Los Angeles	11/21/2008; T-17182	Last-Mile	$ 2,420	$ 859	15	$ 161	26	Complete May 2011
7	AT&T California	Alta/Blue Canyon	Nevada; Placer	2/20/2009; T-17195	Last-Mile	$ 56,628	$ 56,628	236	$ 240	176	Complete May 2011
8	AT&T California	Comptche	Mendocino	2/20/2009; T-17195	Last-Mile	$ 18,392	$ 9,364	97	$ 190	134	Complete May 2011
9	AT&T California	Warner Springs	San Diego	2/20/2009; T-17195	Last-Mile	$ 93,896	$ 43,985	66	$ 1,423	78	Complete May 2011
10	AT&T California	Easton	Fresno	3/12/2009; T-17196	Last-Mile	$ 49,869	$ 36,354	9	$ 5,541	37	Complete June 2012
11	AT&T California	Lodi	San Joaquin	3/12/2009; T-17196	Last-Mile	$ 137,416	$ 45,541	35	$ 3,926	156	Complete June 2012
12	AT&T California	Clovis	Fresno	4/16/2009; T-17199	Last-Mile	$ 36,393	$ 36,393	125	$ 291	90	Complete June 2012
13	Audeamus	Tranquility and West Fresno	Fresno	5/6/2010; T-17265	Last-Mile	$ 1,154,496	$ 1,154,494	585	$ 1,973	192	Complete Oct. 2012
14	Bright Fiber Network (Race Telecom.)[7]	Bright Fiber Broadband	Nevada	12/3/2015; T-17495; T-17565; T-17633	Last-Mile	$ 16,086,789	$ 10,094,875	1,941	$ 8,288	--	2021
15	CA Broadband Coop. (Inyo Networks)	ǂ Digital 395	Multiple	12/3/2009; T-17232; T-17408	Middle-Mile	$ 29,223,432	$ 26,955,420	28,127	$ 1,039	33,750	Complete Sep. 2015
16	Cal.Net	El Dorado North	El Dorado	1/14/2016; T-17497; T-17591; T-17603; T-17622	Last-Mile	$ 1,238,550	$ 750,786	1,537	$ 806	--	2021
17	Cal.Net	El Dorado South and East	El Dorado	6/23/2016; T-17498	Last-Mile	$ 1,256,524		1,350	$ 931	--	2021
18	Cal.Net	Amador Calaveras and Alpine	Amador; Calaveras; Alpine	11/10/2016; T-17501	Last-Mile	$ 2,862,388		4,878	$ 587	--	2021
19	Cal.Net	Tuolumne and Mariposa	Tuolumne; Mariposa	12/15/2016; T-17502	Last-Mile	$ 3,608,224		7,711	$ 468	--	2021
20	Calaveras Telephone Co.	Poker Flat	Calaveras	7/29/2010; T-17282	Last-Mile	$ 640,698	$ 527,676	409	$ 1,566	282	Complete July 2016
21	CalNeva Broadband	Coalinga-Huron Gigabit	Fresno	5/11/2017; T-17563	Last-Mile	$ 511,170	$ 450,226	5,480	$ 93	116	Complete Dec. 2019
22	Charter Communications	Highland Orchid Drive	San Bernardino	12/19/2019; T-17680	Last-Mile	$ 197,185		115	$ 1,715	--	2020
23	Charter Communications	Silver Wheel Ranch Mobile Home	Ventura	12/19/2019; T-17680	Last-Mile	$ 912,047		65	$ 14,031	--	2020
24	Charter Communications	Country Squire Mobile Home Park	Riverside	12/19/2019; T-17680	Last-Mile	$ 267,943		99	$ 2,706	--	2020
26	Citizens Telecom. of CA (Frontier Comm.)	Birds Landing	Solano	3/12/2009; T-17196	Last-Mile	$ 100,444	$ 99,130	69	$ 1,456	10	Complete Mar. 2010
27	Citizens Telecom. of CA (Frontier Comm.)	Livingston	Merced	3/12/2009; T-17196	Last-Mile	$ 62,000	$ 39,555	234	$ 265	36	Complete Nov. 2009
28	Citizens Telecom. of CA (Frontier Comm.)	ǂ Petrolia	Humboldt	7/23/2015; T-17484	Middle-Mile	$ 202,557	$ 202,557	138	$ 1,468	87	Complete Feb. 2016
29	Citizens Telecom. of CA (Frontier Comm.)	Shingletown	Shasta	9/29/2016; T-17522	Last-Mile	$ 545,690	$ 454,825	1,017	$ 537	1,320	Complete May 2017
30	Cruzio Media	Equal Access Santa Cruz	Santa Cruz	12/5/2019; T-17674	Last-Mile	$ 2,445,153		263	$ 9,297	--	2020
31	CVIN and CENIC	ǂ Central Valley Independent Network	Multiple	10/14/2010; T-17295	Middle-Mile	$ 6,659,967	$ 6,312,983	206,764	$ 32		Complete May 2014
32	Foresthill Telephone Co.	Big Dipper	Placer	10/3/2013; T-17409	Last-Mile	$ 117,000	$ 117,000	84	$ 1,393	24	Complete July 2016
25	Frontier California (Frontier Comm.)	Prattville	Plumas	11/21/2008; T-17182	Last-Mile	$ 41,192	$ 9,923	171	$ 241	41	Complete June 2016
33	Frontier California (Frontier Comm.)	Lytle Creek	San Bernardino	7/12/2018; T-17613	Hybrid	$ 1,458,886		339	$ 4,303	--	Ongoing

No.	Recipient	Project Name	County	Approval; Resolution(s)	Project Type[1]	Total Award as of 12/31/19[2]	Total Paid as of 12/31/19	Potential Estimated Households[3]	Cost per Household[4]	Subscribed Households as of 12/31/19[5]	Completion or Expected[6]
34	Frontier California (Frontier Comm.)	Desert Shores	Imperial	7/12/2018; T-17614	Last-Mile	$ 1,262,567		596	$ 2,118	--	2020
35	Frontier California (Frontier Comm.)	Weimar	Placer	9/12/2019; T-17660	Last-Mile	$ 692,889		148	$ 4,682	--	2020
36	Frontier California (Frontier Comm.)	Taft Cluster	Kern	12/19/2019; T-17668	Last-Mile	$ 399,702		41	$ 9,749	--	2021
37	Frontier California (Frontier Comm.)	Northeast Project Phase I	Lassen; Modoc	12/19/2019; T-17671	Hybrid	$ 10,912,973		222	$ 49,158	--	2021
38	Frontier Comm. of the Southwest (Frontier Comm.)	San Bernardino County Project (Havasu Palms and Black Meadow)	San Bernardino	6/9/2011; T-17322	Last-Mile	$ 168,171	$ -	3,732	$ 45	153	Complete Nov. 2012
39	Frontier Comm. of the Southwest (Frontier Comm.)	Alpine Underserved	Alpine	11/10/2011; T-17348	Last-Mile	$ 95,919	$ -	381	$ 252	442	Complete May 2012
40	Frontier Comm. West Coast (Frontier Comm.)	Del Norte Underserved	Del Norte	9/22/2011; T-17341	Last-Mile	$ 68,168	$ -	313	$ 218	55	Complete March 2012
41	Happy Valley Tel. Co. (TDS Telecom)	Olinda	Shasta	10/3/2013; T-17517 T-17411	Last-Mile	$ 2,296,667		1,908	$ 1,204	--	2021
42	Inyo Networks	Nicasio	Marin	7/14/2016; T-17523	Last-Mile	$ 1,491,078	$ 1,491,078	216	$ 6,903	200	Complete Aug. 2019
43	Inyo Networks	ǂ Digital 299	Multiple	3/23/2017; T-17548	Middle-Mile	$ 46,709,036		307	$ 152,147	--	2023
44	Inyo Networks	Bolinas	Marin	5/10/2018; T-17608	Last-Mile	$ 1,868,881		571	$ 3,273	--	2022
45	IP Networks	ǂ Hwy 36 Hubmboldt-Trinity Counties	Humboldt; Trinity	11/20/2009; T- 17227 T-17352	Middle-Mile	$ 5,753,240	$ 5,753,240	527	$ 10,917		Complete May 2012
46	Karuk Tribe	Klamath River Rural Broadband Initiative	Humboldt	10/17/2013; T-17418	Hybrid	$ 6,602,422	$ 1,620,220	616	$ 10,718	--	2022
47	LCB Communications	Light Saber	Santa Clara	6/15/2017; T-17545	Hybrid	$ 1,076,062	$ 459,596	150	$ 7,174	--	2020
48	MCC Telephony	ǂ Kernville Interconnect	Kern	9/10/2009; T-17221	Middle-Mile	$ 285,992		9,179	$ 31	--	2020
49	Pinnacles Telephone Co.	Pinnacles Monument	San Benito	10/31/2013; T-17420	Last-Mile	$ 195,299	$ 180,277	47	$ 4,155		Complete Dec. 2014
50	Plumas-Sierra Telecom.	ǂ Plumas-Sierra Telecom Middle Mile	Multiple	2/25/2010; T-17230	Middle-Mile	$ 1,721,280	$ 1,721,280			1,974	Complete March 2014
51	Plumas-Sierra Telecom.	Keddie	Plumas	12/5/2019; T-17672	Hybrid	$ 1,512,163		36	$ 42,005	--	2020
52	Plumas-Sierra Telecom.	Mohawk Vista	Plumas	12/5/2019; T-17673	Hybrid	$ 2,183,427		120	$ 18,195	--	2020
53	Plumas-Sierra Telecom.	Lake Davis	Plumas	12/5/2019; T-17675	Hybrid	$ 1,118,873		125	$ 8,951	--	2020
54	Plumas-Sierra Telecom.	Elysian Valley-Johnstonville	Lassen	12/5/2019; T-17677	Hybrid	$ 3,574,494		82	$ 43,591	--	2020
55	Plumas-Sierra Telecom.	Plumas Eureka-Johnsville	Plumas	12/5/2019; T-17678	Hybrid	$ 1,270,872		51	$ 24,919	--	2020
56	Ponderosa Cablevision	Auberry	Fresno	11/20/2009 T-17236; T-17274	Last-Mile	$ 1,154,780	$ 614,118	1,043	$ 1,107	404	Complete Sep. 2015
57	Ponderosa Telephone Co.	Big Creek	Fresno	10/31/2013; T-17423	Last-Mile	$ 898,574	$ 692,952	79	$ 11,374	259	Complete Aug. 2017
58	Ponderosa Telephone Co.	Beasore-Central Camp	Madera	12/19/2013; T-17424	Last-Mile	$ 1,755,042		32	$ 54,845	--	Ongoing
59	Ponderosa Telephone Co.	Cressman	Fresno	4/10/2014; T-17428; T-17551	Last-Mile	$ 1,027,380	$ 911,972	70	$ 14,677	29	Complete May 2018
60	Race Telecom.	Mojave Air and Space Port Project	Kern	6/24/2010; T-17279	Last-Mile	$ 506,199	$ 494,419	231 businesses		--	Complete Nov. 2012
61	Race Telecom.	Kern County High Desert	Kern	10/17/2013; T-17415	Last-Mile	$ 12,583,343	$ 10,600,963	4,371	$ 2,879	3,108	Complete Sep. 2017
62	Race Telecom.	Boron	Kern	10/31/2013; T-17416	Last-Mile	$ 3,426,357	$ 2,880,819	892	$ 3,841	445	Complete March 2015
63	Race Telecom.	Mono County Underserved	Mono	6/26/2014; T-17433	Last-Mile	$ 4,650,593	$ 3,913,818	727	$ 6,397	489	Complete Sep. 2017
64	Race Telecom.	Gigafy Backus	Kern	8/13/2015; T-17480	Last-Mile	$ 2,239,991	$ 1,887,103	253	$ 8,854	142	Complete Feb. 2017
65	Race Telecom.	Five Mining Communities	Kern; San Bernardino	1/14/2016; T-17488	Last-Mile	$ 2,037,721	$ 2,037,721	202	$ 10,088	76	Complete Sep. 2017
66	Race Telecom.	Gigafy Mono	Mono	1/28/2016; T-17477	Last-Mile	$ 6,580,007	$ 5,564,690	399	$ 16,491	277	Complete Sep. 2018
67	Race Telecom.	Gigafy Occidental	Sonoma	8/18/2016; T-17524	Last-Mile	$ 7,687,016	$ 7,687,016	458	$ 16,784	375	Complete Sep. 2018

No.	Recipient	Project Name	County	Approval; Resolution(s)	Project Type[1]	Total Award as of 12/31/19[2]	Total Paid as of 12/31/19	Potential Estimated Households[3]	Cost per Household[4]	Subscribed Households as of 12/31/19[5]	Completion or Expected[6]
68	Race Telecom.	Gigafy North 395	Mono	12/1/2016; T-17541	Last-Mile	$ 3,124,490	$ 3,124,490	444	$ 7,037	68	Complete Sep. 2018
69	Race Telecom.	Gigafy Phelan	San Bernardino	7/13/2017; T-17525; T-17658	Last-Mile	$ 36,690,800	$ 23,121,997	7,606	$ 4,824	--	2021
70	Siskiyou Telephone Co.	Happy Camp to Somes Bar Fiber Connectivity	Siskiyou	12/15/2016; T-17539; T-17623	Hybrid	$ 3,645,085		37	$ 98,516	--	2020
71	Sunesys	ǂ Connected Central Coast	Multiple	4/10/2014; T-17429	Middle-Mile	$ 10,640,000	$ 5,596,943	11,124	$ 956		Complete May 2018
72	Surfnet Communications	Paradise Road	Monterey	4/10/2014; T-17430	Last-Mile	$ 177,954	$ 88,977	278	$ 640	--	2020
73	Ultimate Internet Access	Helendale	San Bernardino	5/7/2015; T-17478; T-17557	Last-Mile	$ 1,814,045	$ 1,812,759	2,279	$ 796	1,584	Complete Mar. 2017
74	Ultimate Internet Access	Wrightwood	San Bernardino; Los Angeles	5/7/2015; T-17475	Last-Mile	$ 1,937,380	$ 1,667,981	1,857	$ 1,043	944	Complete Mar. 2018
75	Willits Online	Covelo & Laytonville	Mendocino	3/12/2009; T-17183	Last-Mile	$ 108,000	$ 102,025	800	$ 135	421	Complete Jan. 2011
76	Willits Online	Boonville	Mendocino	10/31/2013; T-17422	Last-Mile	$ 122,931	$ 122,652	605	$ 203	18	Complete May 2016
77	Winterhaven Telephone Co. (TDS Telecom)	Winterhaven Underserved	Imperial	10/3/2013; T-17410; T-17521	Last-Mile	$ 2,063,967	$ 1,287,286	961	$ 2,148	--	2020
	TOTAL					**$ 270,733,063**		**320,734**		**50,102**	

ǂ Primarily a middle mile project approved prior to CASF rule changes pursuant to AB 1665.

1 Projects are categorized as last-mile, middle-mile, or hybrid. Hybrid projects are last-mile projects with middle-mile components.

2 Award amounts reflect changes (e.g. supplemental funding awarded) made after original project approval.

3 Household estimates are from CPUC resolutions approving projects.

4 Cost per household for each project is calculated by dividing the total award by the estimated potential HHs.

5 Subscription data gathered via data requests issued to award recipients.

6 Completion dates reflect when the CPUC received the completion report. Actual project construction may have completed prior to the completion report.

7 Resolution T-17633 reduced the Bright Fiber Broadband project award by $69,534 in 2019 and approved the transfer of control of Bright Fiber Network, Inc. to Race Telecommunications.

Attachment C: Consortia Account Reported Benefits Funded by CASF

1. Broadband Consortium of the Pacific Coast

Outcomes in Access and Adoption

- Hosted and coordinated a public forum in Northern Santa Barbara County entitled "Broadband: Tri-Counties Imperative, Northern Santa Barbara County Priority" on March 15, 2019 to share information on regional gaps in service (i.e., under-served, unserved), and promote awareness of resources (i.e., California Advanced Services Fund (CASF), Connect America Fund II (CAF II)) to close gaps.
- Held nine (9) meetings with local/state decision makers including regional forums, roundtables, and broadband provider meetings and led to the development of broadband policies in Ventura and northern Santa Barbara counties. Topics included the CPUC goal of achieving a 98 percent of the residents connected statewide, increasing adoption levels, and the imperative that exists within and throughout all our communities for digital literacy.

Outcomes in Deployment

- Participated in developing the broadband infrastructure application in Cuyama. Digital West expressed an interest in securing funding with the support of the community services district. Tellus Venture Associates was contacted to assist. Conversations stalled due to the Right of First Refusal concerns.
- Focused on supporting the development of plans in Cuyama, and the cities of Moorpark, Oxnard, Santa Paula, Solvang, and Ventura. Also placed a special emphasis on the Santa Ynez Valley and the region surrounding Vandenberg Air Force Base (AFB).
- Conducted two (2) stakeholder meetings (Jan 24 and Mar 21); met with the Executive Director of the Ventura County Transportation Commission (Feb 27), and municipal leaders in the County of Ventura (Mar 28), and communities of Cuyama (Mar 22), Fillmore (Mar 7), Oxnard (Apr 3), Santa Paula (Apr 11), Solvang (Apr 24), and Ventura (Jan 23). Topics included CPUC identified priority areas, connecting anchor institutions, and regional network collaboration.
- Provided the support to the County of Ventura and cities of Ventura, Oxnard, and Moorpark in the development of Broadband Strategies. Coordinated discussions related to the establishment of a shared Internet Point of Presence (POP) to serve local municipalities.

2. Central Coast Broadband Consortium

Outcomes in Deployment

- Participated in developing four (4) Broadband infrastructure applications in the following locations: San Juan Bautista, Capitola/Soquel/Aptos, City of Watsonville, Gonzales, and Carmel Highlands.
- Submitted and supported the Cruzio infrastructure application in 2019, approved in T-17674 for $2,445,153 in CASF funding.
- Assisted Charter pursuant to the merger commitment to upgrade the City of Gonzales and County of Monterey. Continued to promote dig once policies for the region, defined strategic corridors, and conducted ongoing development of coverage maps and data analysis of coverage.
- Held five (5) meetings with Santa Cruz County, City of Santa Cruz, City of Watsonville, San Benito County, and Cruzio to explore potential areas for CASF infrastructure projects and discuss application process.
- Held three (3) conference calls per month to share information and best practices (i.e., CCBC, California Department of Technology, other regional consortia) about Geographic Information System (GIS) mapping, broadband policy and legislative updates, and CASF infrastructure projects. Conducted ongoing calls with other regions to discuss broadband standards. Attended four (4) annual conferences, including The Future of California's Communications Grid (CPUC en banc) in Sacramento on May 20, 2019, California Forward Broadband Roundtable in Sacramento on June 19, 2019, Strategic Broadband Corridors

Planning Session in Sacramento on September 20, 2019, and California Economic Summit in Fresno on November 6 to 8, 2019, to discuss broadband deployment topics.
- Updated Form 477 data, gathered & analyzed Connect America Fund (CAF) II and other income and housing data, and updated the City of Watsonville GIS database & maps.
- Met with two (2) agencies, one (1) ISP and two (2) local governments to determine priority areas. Tentatively identified five (5) priority areas, three CASF infrastructure projects, and seven (7) other opportunities, such as potential last-mile infrastructure projects in San Benito and Monterey counties and regional transportation projects in Monterey County in which conduit for fiber will be included.
- Joined the California Office of Broadband & Digital Literacy to discuss the region's priorities and ways to promote 98 percent broadband coverage throughout the state.
- Participated in broadband discussions with large numbers of constituents at three (3) annual conferences: Regional Economic Summit, State of the Region, and California Economic Summit.

3. Connected Capital Area Broadband Consortium

Outcomes in Access and Adoption

- Participated in developing one CASF broadband adoption application for a Digital Makerspace at Leataata Floyd Elementary (Sacramento, CA).
- Held 15 meetings with local decision makers regarding the Sacramento Region Comprehensive Economic Development Strategy, which prioritizes digital literacy, digital skills, and broadband infrastructure.
- Co-hosted the Sacramento Digital Inclusion Summit; held four (4) community workshops and met with county and city officials in partnership with the Sacramento Coalition for Digital Inclusion to inform a digital inclusion report for the City of Sacramento; and passed a resolution for Digital Inclusion Week in the City of Sacramento.
- Facilitated the Broadband Access session at the 2019 California Economic Summit.
- Incorporated broadband digital literacy and digital skills as priorities in the Capital Region Comprehensive Economic Development Strategy (CEDS).

Outcomes in Deployment

- Promoted the Strategic Broadband Corridors for broadband infrastructure planning.
- Held 10 meetings with the American Farm Bureau Federation (AFBF), U.S. Economic Development Administration (EDA), Federal Communications Commission (FCC), National Telecommunications and Information Administration (NTIA), and a legislative delegation at the 2019 Cap-to-Cap regarding Ag Tech and Rural Connectivity policy briefs for the Sacramento Region.
- Incorporated broadband infrastructure as a priority in the CEDS.
- Identified permitting issues and barriers for the Strategic Broadband Corridors Project, with the Sacramento Area Council of Governments (SACOG) and local governments.
- Provided the CPUC with information on policy barriers for accurate mapping in rural areas for USDA Re-Connect Program.
- Identified gaps in both urban and rural communities: gaps due to eligibility definitions of new federal programs and requested adjustments in federal program criteria.
- Provided updates and reports to the California Broadband Council meeting and hosted a Policy Forum to partner with the California Forward, California Emerging Technology Fund, California Association of Councils of Governments, and other consortia representatives, and provide policy briefings related to Strategic Broadband Corridors project.
- Identified three (3) Strategic Corridors projects touching all four (4) counties, including Sacramento, Sutter, Yolo and Yuba counties. Also collaborated with neighboring consortia including the Gold County Broadband Consortium, Northeast California Connects Consortium, and San Joaquin Valley Regional Broadband Consortium.
- Updated the Governor, state and local officials on policies and strategic corridors to encourage CASF infrastructure projects.

- Identified potential CASF applicants including new infrastructure providers.

4. **Gold Country Broadband Consortium**

Outcomes in Deployment

- Provided gap analysis for Sierra and Nevada counties.
- Drafted broadband strategies for Sierra and Nevada counties.
- Promoted and documented CalSPEED tests.
- Deployed neighborhood surveys in three counties. Information obtained was used to scope possible CASF grants.
- Attended regional meetings, including the California Economic Summit to participate in the broadband breakout sessions and planning meetings, and jurisdictional meetings to discuss broadband/economic development topics.
- Identified last-mile projects in three (3) potential locations, including Banner Mountain in Nevada County, Kingswood in Placer County, and another project in Nevada County adjacent to the Banner Mountain project that could leverage ATT fiber in an unserved residential area. Currently working on implementation.
- Held 18 meetings with five (5) ISPs and county staff to review potential projects for CASF funding eligibility. Promotion of a last-mile broadband grant led to the following outcomes: three applications and potential last-mile projects in three different areas.
- Drafted a high-level broadband policy that focused on policy changes, priority areas, and practical implementation measures.

5. **Inland Empire Regional Broadband Consortium**

Outcomes in Deployment

- Performed one (1) Inland Empire Broadband Plan update on the list of priority unserved communities based upon updated CPUC CA Broadband Mapping, which is in progress.
- Conducted three (3) Broadband planning consultation with the City of Riverside, County of Riverside, and Morongo Basin Area in County of San Bernardino; three (3) Regional agency consultations with RCTC, SBCTC, and SCAG; and one (1) regional stakeholder meeting to discuss strategy for unserved Areas in the Inland Empire region.
- Prepared draft "Preferred Scenario Report for Unserved Households in the Inland Empire", which provides a broadband gap analysis for the region.
- Assisted six (6) ISPs by providing them CASF broadband infrastructure grant information
- Assisted Charter with two (2) CASF broadband infrastructure applications in San Bernardino and Riverside counties, approved under CPUC Resolution T-17680 on December 19, 2019:
    - Orchid Drive CASF Grant for $197,185 to serve 115 Unserved Households in Highland, CA in San Bernardino County
    - Country Squire Mobile Estates CASF Grant for $267,943 to serve 99 Unserved Households in Moreno Valley, CA in Riverside County
- Engaged 32 stakeholders to discuss with ISPs regarding the potential for CASF Grant Applications in priority unserved areas in the region and participated in one wireline testing survey project with the California State University Chico in the region, which is ongoing.

6. **Inyo Mono**

Outcomes in Access and Adoption

- Provided ongoing support for Government, Education, and Medical (GEM) anchors using Digital 395.
- Held eight (8) meetings with local and state decision makers resulting in broadband access and adoption policies in the following areas: Eastern Sierra Council of Governments, Inyo County, Mono County, Town of Mammoth Lakes, and the City of Bishop.

Outcomes in Deployment

- Continued support to Race Communications in implementing T-17477. Worked with Inyo County to look for future project applications.
- Held several meetings with ISPs which led to the following outcomes: community awareness of broadband offerings (www.ConnectedEasternSierra.net). Conducted ongoing work with providers to improve customer service, access, and adoption issues.
- Implemented regional branding efforts to help promote broadband offerings and opportunities.

7. North Bay North Coast Broadband Consortium

Outcomes in Deployment

Marin County

- Completed the Nicasio Broadband Network Project (220 CASF-funded homes passed) in the first quarter of 2019.
- Moved the Bolinas Gigabit Network (571 CASF-funded homes passed) to the pre-construction and permitting phase.
- Conducted a 5G Community Survey from January through March 2019, and a 5G Public Workshop in February 2019. These efforts sought to obtain residents' input regarding the deployment of and access to high-speed telecommunications services.
- In March 2019, representatives from two of the County's largest providers met with Marin County Supervisors Rodoni and Connolly, the NBNCBC Oversight Committee Member and Alternate; Liza Massey IT Director, the Manager of the Marin NBNCBC Team, and other County representatives, to talk about high-speed Internet options and deployment.
- Supervisor Rodoni and/or Liza Massey participated in six meetings with the Canal Broadband Alliance workgroup to define needs and identify potential providers for broadband services in the Canal District.
- The Board of Supervisors approved funding to compliment CASF grant funds in order to complete an assessment and develop a broadband strategy in the County's overall Digital Infrastructure Strategic Plan.
- Conducted research to review broadband strategies of other counties and local governments. Identified four (4) plans to serve as models for Marin County's Plan.
- Began development of the overall project plan, and initiated efforts to hire a project manager and engage a consultant to develop the broadband strategy.

Mendocino County

- Developed the Mendocino County Digital Infrastructure Plan: 2019-2025.
- Worked on developing an overall strategy for broadband deployment in communities across the county that are currently underserved or not served.

Sonoma County

- Worked on including broadband in the Recovery and Resiliency Framework to improve communications, primarily for public safety purposes, to better prepare for future wildfires and other disasters.
- Worked with ISPs and unserved communities on finding deployment and funding solutions.
- Contracted with the California State University Chico GIS on mapping projects that will include design components for broadband deployment in identified unserved communities. Identified various consultants to perform other activities included in its Work Plan and have set up meetings to discuss.

North Bay North Coast Broadband Consortium-Specific

- Issued Version 4.0 of "Recommended Strategic Broadband Corridors," which included each regional consortium's top three priority "Strategic Broadband corridors."
- Updated the maps and data availability for each of the four counties based on CPUC data.

8. Northeastern California Connect Consortium and Upstate California Connect Consortium

Outcomes in Access and Adoption

- Updated county priority areas for access based on inputs from local governments and partners.
- Coordinated info flow/dialogue with local elected officials and agencies.
- Held consortium conference calls and meetings with local government partners across the consortium region (i.e., seven (7) counties for Northeastern California Connect Consortium (NECC), and three (3) counties for Upstate California Connect Consortium (UCCC).
- Worked with experts to generate a survey about the availability and adoption of telehealth services in rural healthcare institutions in the consortium region.
- Reached out to rural healthcare facilities in the seven (7) consortium counties to conduct the telehealth survey by phone and/or email. Provided survey results to experts for analysis of results. Started working on a final report/paper that describes all steps of this effort, results, and findings. Planned to carry out workshops and meetings with rural health care facilities to discuss challenges for telehealth adoption and how to overcome such challenges.
- Planned to carry out workshops and meetings with rural health care facilities to discuss challenges for telehealth adoption and how to overcome such challenges.

Outcomes in Deployment

- Updated county priority areas for deployment based on inputs from ISPs for broadband expansion.
- Participated in developing six (6) Broadband infrastructure applications for the NECC region. Provided ISPs assistance with preparing CASF infrastructure grant applications, including providing data/information (i.e., broadband and demographics) relevant to geographic project areas and requesting letters of support from local governments, elected officials, anchor institutions, and community-based organizations. As a result, two (2) ISPS, Frontier Communications and Plumas Sierra Telecommunications, filed a total of six (6) projects in the 2019 application round to carry out deployments in Modoc, Lassen, and Plumas counties. Reached out to incumbent, competitive and new entrant ISPs regarding potential CASF projects in eligible areas based on the CPUC broadband data released in March 2019.
- Reached out to ISPs in all consortium counties and provided detailed information on the CASF rules and application process along with relevant data/information which helped ISPs to carry out business assessments, and also generated detailed maps of eligible CASF areas including potential funding eligibility (from 60 percent to 100 percent).
- Reached out to CAF II grantees that might be interested in complementary CASF projects in unserved priority areas next to CAF II areas.
- Provided ISPs assistance with preparing CASF infrastructure grant applications, including providing data/information (i.e., broadband and demographics) relevant to geographic project areas and requesting letters of support from local governments, elected officials, anchor institutions, and community-based organizations.
- Reached out to local governments and partners in Modoc, Lassen, and Plumas counties to provide updates on the review process of the CASF Infrastructure Grant applications filed by Frontier Communications and Plumas Sierra Telecommunications. Followed up the CPUC review of the six (6) CASF project applications based on information release to the CPUC CASF Distribution List and assisted applicants through this process by providing technical input among other non-technical items.
- Solicited asset inventory throughout region including conduit, poles, land-right-of-way, towers, buildings, etc.
- Followed the latest 2018 CAF II auction (Auction 903) and analyzed new areas in the regions for 2019.
- Analyzed and identified CASF priority unserved areas by county using the CPUC broadband data release in March 2019) and shared priority unserved areas with ISPs

assessing potential project applications for CASF infrastructure grants and complementary USDA Reconnect Program grants.

- Reached out to local governments for input and feedback on priority areas and local broadband needs.
- Reached out to rural clinics in our consortium region to share information on the Federal Rural Healthcare Program-Healthcare Connect Fund and State funding opportunities for deployment and facilitated coordination with the California Telehealth Network (CTN) to apply for funding.
- Made ongoing efforts to develop Master Broadband Plans for regional counties, which incorporate: 1) current broadband landscape, 2) recommendations to expand broadband infrastructure in priority areas, 3) recommendations to develop and implement policies to promote broadband expansion, and 4) recommendations to increase broadband adoption. Held 55 plus meetings/conference calls with local, regional, and statewide partners:
  - Conducted a quarterly online webinar for local government elected officials and staff, regional partners, local broadband stakeholders, ISPs, community anchor institutions and organizations staff, among others. These webinars provided updates on consortium efforts to expand broadband infrastructure and services, and information and tools that local partners could use to support such efforts.
  - Sent newsletters to all partners in the consortium region to provide updates on consortium efforts and additional broadband related information.
  - Reached out and set meetings and conference calls with local government staff and elected officials to discuss potential CASF infrastructure applications (2019 and 2020 cycles) in priority areas in their jurisdictions and to also discuss best policy approaches for counties and towns.
  - Held meetings/conference calls with supervisors and staff of the counties of Butte, Lassen, Modoc, Plumas, Tehama, Lake, Glenn, and Colusa, and council members and/or staff of towns/cities of Chico, Paradise, Redding, Dusmuir, Mount Shasta, Weed, Yreka, Lakeport, Clearlake, Willows, Paradise, Oroville, and Chico to discuss broadband efforts including CASF infrastructure grant projects, implementing policies to support broadband deployment, and broadband service/speed validation, among other broadband related topics.
  - Attended and presented broadband consortium information at the Center for Economic Development's Fall Regional Summit, "North State Connected: Broadband for Rural Communities."
  - Carried out presentations on consortium broadband efforts to the board of supervisors of Modoc County and Lake County, and city councils of Lakeport and Clearlake.
  - Held meetings/conference calls with the Office of Education staff of the counties of Colusa, Glenn, and Lake to discuss partnerships and support for broadband expansion to address the "homework gap."
  - Fostered partnerships and collaborative work with important broadband stakeholders such as the CPUC, California Emerging Technology Fund (CETF), California Telehealth Network (CTN), Caltrans, Rural County Representatives of California (RCRC), California Broadband Council (CBC), CA Forward, Corporation for Education Network Initiatives in California (CENIC), and economic development organizations and chambers of commerce across our consortium regions.
  - Developed a social media campaign to promote CalSPEED and survey deployment.
  - Kept consortium website up to date: www.necalbroadband.org, and posted broadband related news and relevant announcements.
  - Reviewed and generated an inventory of existing policies, ordinances and general plans in all consortium counties to better assess potential needed updates and incorporating new policies, goals, and/or actions that can promote cost-effective broadband infrastructure expansion.
  - Conducted ongoing research of best practices for broadband infrastructure permit processes, policy adoptions, and technical specifications to reduce barriers for broadband

deployments, and performed ongoing gathering of feedback from ISPs regarding barriers for deployments.
- Performed ongoing work with municipalities to generate a public asset inventory and to develop master lease agreements for these assets.
- Assisted the counties of Tehama, Butte, Lake, and Glenn, cities of Clearlake, Lakeport, and Willows, and towns of Red Bluff and Paradise to assess best approaches for dig once policies (i.e., open trench notification, conduit installation for new developments/subdivisions, etc.), and as a result, the Town of Paradise (Oct 2019) and the City of Lakeport approved (Dec 2019) approved a dig once ordinance to accelerate conduit deployment.
- Assisted the Town of Paradise, PG&E, and ISPs to coordinate and assess cost-effective alternatives to deploy underground conduit along coming PG&E's utilities undergrounding efforts (Post Camp Fire).
- Worked collaboratively with all 16 regional consortia, Caltrans, CETF, CA Department of Technology, CA Forward, among other partners, to generate the Regional Consortia Strategic Broadband Corridors to be included in the CTC's Comprehensive Multimodal Corridor Plan Guidelines.

9. Southern Border Broadband Consortium

Outcomes in Access and Adoption

- Made collaboration effort for a Digital Literacy Center at the Holtville center.
- Presented at the Imperial County Transportation Commission's quarterly meetings to update the board on the goals SBBC has been achieving. ICTC is our fiscal agent.
- Participated in the Caltrans Strategic Corridor project with CETF and the other consortia to include Imperial and San Diego County for broadband infrastructure planning.
- Outreach by the Small Business Development Center to their existing client base to see what services are needed and how SBBC can assist them.
- Presented at the IIEC conference in Freemont, CA and conducted follow up meetings to develop a pilot project for Smart Cities and three remote sensing programs for agriculture.
- Met with each city representatives in Imperial County to discuss a preferred scenario for 98% deployment in Imperial County, the cities have agreed to update or create a policy on broadband and streamline their permitting process wherever available.
- Participated at meetings and events, including meeting with Tech Depot and WPNP, two local ISPs, and setting up a Digital Inclusion panel for the Imperial Valley Energy Summit to address regional communications, technology, and digital inclusion priorities and partner with ISPs.

Outcomes in Deployment

- Met with Imperial County CEO, Public Works, and IT departments to streamline the permitting process for infrastructure projects located in Imperial County. The county will offer specific all-encompassing permits and share rights-of-ways where possible. Conducted quarterly CalSpeed tests throughout the entire Imperial County and will streamline the permitting process and share rights-of-ways where possible.

Attachment D: Consortia Account Projects as of December 31, 2019

1. Grants Approved in 2011 and 2016 Cycles[68]

	Consortium	1st Cycle Approved Grants (2011-2013)	Resolution, Approval; (Completion Date)	2nd Cycle Approved Grants (2016)	Resolution, Approval; (Completion Date or Expected)
1	California's One Million New Internet User Coalition	$450,000	T-17355, 2/16/2012; (Feb 2014)	-	-
2	Broadband Consortium of the Pacific Coast	$300,000	T-17445, 6/12/2014; (June 2016)	$250,000	T-17550, 1/19/2017; (May 2019)
3	Central Coast Broadband Consortium	$450,000	T-17349, 12/2/2011; (Dec 2013)	$274,500	T-17529, 8/18/2016; (Sep 2021)
4	Central Sierra Connect Consortium	$450,000	T-17355, 2/16/2012; (Feb 2014)	$249,000	T-17544, 12/1/2016; (Dec 2020)
5	Connected Capital Area Broadband Consortium	$448,301	T-17355, 2/16/2012; (Feb 2014)	$298,750	T-17538, 11/10/2016; (Dec 2018)
6	East Bay Broadband Consortium	$450,000	T-17349, 12/2/2011; (Dec 2013)	$292,680	T-17529, 8/18/2016; (Sep 2019)
7	Eastern Sierra Connect Consortium	$450,000	T-17355, 2/16/2012; (Feb 2014)	$126,700	T-17550, 1/19/2017; (Feb 2019)
8	Gold Country Broadband Consortium	$450,000	T-17355, 2/16/2012; (Feb 2014)	$300,000	T-17538, 11/10/2016; (May 2019)
9	Inland Empire Broadband Consortium	$450,000	T-17355, 2/16/2012; (Feb 2014)	$300,000	T-17538, 11/10/2016; (Dec 2018)
10	Inyo-Mono Broadband Consortium	-	-	$105,216	T-17537, 10/27/2016; (Jun 2019)
11	Los Angeles County Regional Broadband Consortium	$2,310,000	T-17349, 12/2/2011; (Dec 2013)	$600,000	T-17544, 12/1/2016; (Jun 2018)
12	North Bay/North Coast Broadband Consortium	$250,000	T-17445, 6/12/2014; (June 2016)	$260,000	T-17544, 12/1/2016; (Jan 2019)
13	Northeast California Connects Consortium	$449,991	T-17349, 12/2/2011; (Dec 2013)	$289,343	T-17550, 1/19/2017; (Jun 2020)
14	Redwood Coast Connect Consortium	$450,000	T-17349, 12/2/2011; (Dec 2013)	$208,000	T-17537, 10/27/2016; (Nov 2019)
15	San Diego Imperial Regional Broadband Consortium	$450,000	T-17355, 2/16/2012; (Feb 2014)	-	-
16	San Joaquin Valley Regional Broadband Consortium	$450,000	T-17349, 12/2/2011; (Dec 2013)	$180,000	T-17537, 10/27/2016; (Nov 2019)
17	Southern Border Broadband Consortium	-	-	$450,000	T-17561, 4/6/2017; (May 2020)
18	Tahoe Basin Projects	$167,000	T-17440, 5/15/2014; (May 2016)	$200,000	T-17529, 8/18/2016; (Jan 2019)
19	Upstate California Connect Consortium	$448,184	T-17349, 12/2/2011; (Dec 2013)	$267,445	T-17550, 1/19/2017; (Jun 2020)
	Total	**$8,873,476**		**$4,651,634**	

[68] 2011 cycle consortia grants are complete. The status of 2016 cycle consortia grants are shown on the following page.

2. Status of 2016 Cycle Grants as of December 31, 2019

	Consortium	Counties	Start Date	End Date	Extension	Approved Budget	Remaining Budget
1	Broadband Consortium of the Pacific Coast	San Luis Obispo, Santa Barbara, Ventura	2/19/17	2/19/19	5/1/19	$250,000	$316
2	Central Coast Broadband Consortium	Monterey, Santa Cruz, San Benito	9/18/16	9/8/21		$274,500	$239,235
3	Central Sierra Connect Broadband Consortium	Amador, Calaveras, Tuolumne, Mariposa, Western Alpine	1/1/17	1/1/20	12/31/20	$249,000	$151,395
4	Connected Capital Area Broadband Consortium	Sacramento, Sutter, Yolo, Yuba	12/10/16	12/10/18		$298,750	$652
5	East Bay Broadband Consortium	Alameda, Contra Costa, Solano	9/18/16	9/18/19		$292,680	$65,751
6	Eastern Sierra Connect Regional Broadband Consortium	Eastern Kern	2/19/17	2/19/19		$126,700	$79,811
7	Gold Country Broadband Consortium	Sierra, Nevada, Placer, El Dorado, Eastern Alpine	12/10/16	12/10/18	5/1/19	$300,000	$11,144
8	Inland Empire Regional Broadband Consortium	San Bernardino, Riverside	12/10/16	12/10/18		$300,000	$0
9	Inyo Mono Broadband Consortium	Mono, Inyo	11/27/16	11/27/18	6/30/19	$105,216	$51,939
10	Los Angeles County Regional Broadband Consortium	Five sub-regions of Los Angeles	1/1/17	1/1/18	6/30/18	$600,000	$5,456
11	North Bay/North Coast Broadband Consortium	Mendocino, Marin, Napa, Sonoma	1/1/17	1/1/19		$260,000	$4,276
12	Northeast California Connect Consortium	Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama	2/19/17	2/19/19	6/30/20	$289,343	$143,803
13	Redwood Coast Connect Broadband Consortium	Humboldt, Del Norte, Trinity	11/27/16	11/27/18	11/30/19	$208,000	$124,953
14	San Joaquin Valley Regional Broadband Consortium	San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, Western Kern	11/27/16	11/27/19		$180,000	$180,000
15	Southern Border Broadband Consortium	San Diego, Imperial	5/6/17	5/6/20		$450,000	$340,630
16	Tahoe Basin Project	Lake Tahoe Basin	9/18/16	9/18/18	1/1/19	$200,000	$6,856
17	Upstate California Connect Consortium	Glenn, Colusa, Lake	2/19/17	2/19/19	6/30/20	$267,445	$119,836
	Total					**$4,651,634**	**$1,526,053**

3. Grants Approved in 2019 Cycle; Approved by CPUC Resolution T-17669

	Consortium	Project Name	Counties	Start Date	End Date	Approved Budget	Remaining Budget
1	Broadband Consortium of the Pacific Coast	Developing the 4th Utility	San Luis Obispo, Santa Barbara, Ventura	11/1/2019	10/31/2022	$450,000	$450,000
2	Central Coast Broadband Consortium	Connected Central Coast Phase III	Monterey, Santa Cruz, San Benito	11/1/2019	10/31/2022	$450,000	$450,000
3	Connected Capital Area Broadband Consortium	Capital Area Broadband Consortium 2019-2022	Sacramento, Sutter, Yolo, Yuba	11/1/2019	10/31/2022	$438,560	$438,560
4	Gold Country Broadband Consortium	Gold Country Broadband Consortium Project	Sierra, Nevada, Placer, El Dorado, Alpine	11/1/2019	10/31/2022	$423,010	$423,010
5	Inland Empire Regional Broadband Consortium	Inland Empire Broadband Implementation	San Bernardino, Riverside	11/1/2019	10/31/2022	$450,000	$450,000
6	North Bay/North Coast Broadband Consortium	Project 100/20 by 2025	Mendocino, Marin, Napa, Sonoma	11/1/2020	10/31/2022	$450,000	$450,000
7	Northeast California Connect Consortium	Reducing the Digital Divide in Northeastern California	Butte, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama	7/1/2020	12/31/2022	$355,387	$355,387
8	Redwood Coast Connect Broadband Consortium	Redwood Coast Connect Deployment Support	Humboldt, Del Norte, Trinity	11/1/2019	10/31/2022	$416,025	$416,025
9	Upstate California Connect Consortium	Reducing the Digital Divide in Upstate California	Glenn, Colusa, Lake	7/1/2020	12/31/2022	$318,530	$318,530
	Total					**$3,751,512**	**$3,751,512**

Attachment E: Broadband Adoption Account Projects as of December 31, 2019

Digital Literacy Projects

	Grantee Name	Project Name	County	Approved Grant Amount	Expected Digital Literacy Participants	Benefits Derived: People Who Have Completed Training (8+ Hours)	Award Date	Expected Completion Date	Payments in 2019
1	California State University, Fresno Foundation	Fresno State Parent University – Fresno County	Fresno	$ 71,516	160	44	12/31/18	6/30/21	
2	California State University, Fresno Foundation	Fresno State Parent University – Kern County	Kern	$ 71,516	160	*	12/31/18	6/30/21	
3	California State University, Fresno Foundation	Fresno State Parent University – King County	Kings	$ 71,516	160	*	12/31/18	6/30/21	
4	California State University, Fresno Foundation	Fresno State Parent University – Madera County	Madera	$ 71,516	160	102	12/31/18	6/30/21	
5	California State University, Fresno Foundation	Fresno State Parent University – Merced County	Merced	$ 71,516	160	*	12/31/18	6/30/21	
6	California State University, Fresno Foundation	Fresno State Parent University – San Joaquin County	San Joaquin	$ 71,516	160	*	12/31/18	6/30/21	
7	California State University, Fresno Foundation	Fresno State Parent University – Stanislaus County	Stanislaus	$ 71,516	160	39	12/31/18	6/30/21	
8	California State University, Fresno Foundation	Fresno State Parent University – Tulare County	Tulare	$ 71,516	160	*	12/31/18	6/30/21	
9	Catholic Charities of Los Angeles	Digital Education Center	Los Angeles	$ 83,248	250	143	12/31/18	6/30/21	$ 8,372
10	City of Sunnyvale	Latino Digital Literacy – Bishop Elementary School	Santa Clara	$ 58,033	125	21	12/31/18	6/30/21	$ 2,805
11	City of Sunnyvale	Latino Digital Literacy – Columbia Middle School	Santa Clara	$ 58,033	125	23	12/31/18	6/30/21	$ 2,805
12	City of Sunnyvale	Latino Digital Literacy – Ellis Elementary School	Santa Clara	$ 40,657	75	16	12/31/18	6/30/21	$ 2,652
13	City of Sunnyvale	Latino Digital Literacy – Lakewood Elementary School	Santa Clara	$ 40,657	75	12	12/31/18	6/30/21	$ 2,652
14	City of Sunnyvale	Latino Digital Literacy – San Miguel Elementary	Santa Clara	$ 58,033	125	20	12/31/18	6/30/21	$ 2,805
15	City of Sunnyvale	Latino Digital Literacy – Vargas Elementary School	Santa Clara	$ 58,033	125	18	12/31/18	6/30/21	$ 2,805
16	Empowering Success Now	Bilingual Digital Literacy	San Bernardino	$ 78,397	600	185	12/31/18	6/30/21	
17	Hartnell College	Digital Literacy in Castroville	Monterey	$ 60,402	154	5	12/31/18	6/30/21	
18	Hartnell College	Digital Literacy in King City	Monterey	$ 59,127	154	38	12/31/18	6/30/21	
19	Inglewood Public Library – Children's Services	Inglewood Public Library Digital Literacy Project	Los Angeles	$ 19,412	4,320	29	12/31/18	6/30/21	
20	Monument Impact	Conectate y Avanza (Connect and Advance)	Contra Costa	$ 84,297	272	385	12/31/18	6/30/21	$ 17,594
21	Oakland Adult and Career Education	Mobile Classroom – Oakland Adult and Career Education	Alameda	$ 8,883	80	65	12/31/18	6/30/21	
22	Opportunity Junction	Technology Center	Contra Costa	$ 39,243	300	90	12/31/18	6/30/21	
23	Reading and Beyond	RaB Digital Literacy 1.0 (Mosqueda)	Fresno	$ 73,639	510	142	12/31/18	6/30/21	$ 4,782
24	Reading and Beyond	RaB Digital Literacy 1.0 (N Location)	Fresno	$ 73,639	510	141	12/31/18	6/30/21	$ 6,027
25	Southeast Community Development Corporation	Bell Tech Center – Digital Literacy	Los Angeles	$ 83,466	315	286	12/31/18	6/30/21	
26	Southeast Community Development Corporation	Whittier Tech Center – Digital Literacy Project	Los Angeles	$ 83,466	320	308	12/31/18	6/30/21	
27	Women's Audio Mission	Girls on the Mic: Digital Literacy & Technology Training for Girls	Alameda	$ 77,550	1,800	500	12/31/18	6/30/21	
28	Vietnamese American Community Center of the East Bay	Vietnamese Community Digital Equity	Alameda	$ 109,081	200	40	3/14/19	9/14/21	$ 15,000
29	Center for Elders' Independence	Digital Equity for Seniors -Berkeley	Contra Costa	$ 31,355	96	*	7/12/19	1/12/22	
30	Center for Elders' Independence	Digital Equity for Seniors -Concord	Contra Costa	$ 27,269	78	*	7/12/19	1/12/22	
31	Center for Elders' Independence	Digital Equity for Seniors -Guardian	Contra Costa	$ 22,502	57	*	7/12/19	1/12/22	
32	Center for Elders' Independence	Digital Equity for Seniors -Josie Barrow	Contra Costa	$ 23,864	63	*	7/12/19	1/12/22	
33	Center for Elders' Independence	Digital Equity for Seniors -San Leandro	Contra Costa	$ 27,269	78	*	7/12/19	1/12/22	
34	Center for Elders' Independence	Digital Equity for Seniors -San Pablo	Contra Costa	$ 30,674	93	*	7/12/19	1/12/22	
35	Christian Church Homes	Garfield Park Village	Santa Cruz	$ 26,086	58	*	7/12/19	1/12/22	
36	Christian Church Homes	Plaza De Las Flores	Santa Clara	$ 32,100	80	*	7/12/19	1/12/22	
37	Christian Church Homes	Providence Senior Housing	San Francisco	$ 17,297	41	*	7/12/19	1/12/22	
38	Christian Church Homes	Roy C Nichols Housing	Alameda	$ 4,650	10	*	7/12/19	1/12/22	
39	Christian Church Homes	Saint Mary's Garden	Alameda	$ 29,603	69	*	7/12/19	1/12/22	
40	Christian Church Homes	Southlake	Alameda	$ 34,824	92	*	7/12/19	1/12/22	
41	City of Oakland Human Services Department	East Oakland Seniors Digital Inclusion	Alameda	$ 20,373	56	0	7/12/19	1/12/22	
42	City of Oakland Human Services Department	West Oakland Seniors Digital Inclusion	Alameda	$ 20,373	56	0	7/12/19	1/12/22	
43	Community Bridges	Bridging the Digital Divide	Santa Cruz	$ 32,174	80	0	7/12/19	1/12/22	
44	Curry Senior Center	Connected At Home	San Francisco	$ 29,935	72	0	7/12/19	1/12/22	
45	Eden Housing, Inc.	Alta Mira Family	Alameda	$ 27,619	67	*	7/12/19	1/12/22	
46	Eden Housing, Inc.	Ashland Village	Alameda	$ 31,419	77	*	7/12/19	1/12/22	
47	Eden Housing, Inc.	Cambrian Center	Santa Clara	$ 34,143	89	*	7/12/19	1/12/22	
48	Eden Housing, Inc.	East Bluff	Contra Costa	$ 30,965	75	*	7/12/19	1/12/22	
49	Eden Housing, Inc.	Eden Issei Terrace	Alameda	$ 25,023	55	*	7/12/19	1/12/22	
50	Eden Housing, Inc.	Eden Lodge	Alameda	$ 32,554	82	*	7/12/19	1/12/22	
51	Eden Housing, Inc.	Eden Palms	Santa Clara	$ 48,217	151	*	7/12/19	1/12/22	

	Grantee Name	Project Name	County	Approved Grant Amount	Expected Digital Literacy Participants	Benefits Derived: People Who Have Completed Training (8+ Hours)	Award Date	Expected Completion Date	Payments in 2019
52	Eden Housing, Inc.	Estabrook Place	Alameda	$ 17,933	35	*	7/12/19	1/12/22	
53	Eden Housing, Inc.	Ford Road Plaza	Santa Clara	$ 29,376	68	*	7/12/19	1/12/22	
54	Eden Housing, Inc.	Rivertown Place	Contra Costa	$ 25,732	57	*	7/12/19	1/12/22	
55	Eden Housing, Inc.	Virginia Lane	Contra Costa	$ 30,057	71	*	7/12/19	1/12/22	
56	Episcopal Community Services of San Francisco	1180 4th Street: Digital Literacy in Supportive Housing	San Francisco	$ 14,180	40	*	7/12/19	1/12/22	
57	Episcopal Community Services of San Francisco	The Alder: Digital Literacy in Supportive Housing	San Francisco	$ 15,953	45	*	7/12/19	1/12/22	
58	Episcopal Community Services of San Francisco	Auburn and Minna-Lee: Digital Literacy in Supportive Housing	San Francisco	$ 10,635	30	*	7/12/19	1/12/22	
59	Episcopal Community Services of San Francisco	The Crosby: Digital Literacy in Supportive Housing	San Francisco	$ 17,725	50	*	7/12/19	1/12/22	
60	Episcopal Community Services of San Francisco	The Elm: Digital Literacy in Supportive Housing	San Francisco	$ 10,635	30	*	7/12/19	1/12/22	
61	Episcopal Community Services of San Francisco	The Henry: Digital Literacy in Supportive Housing	San Francisco	$ 14,180	40	*	7/12/19	1/12/22	
62	Episcopal Community Services of San Francisco	The Mentone: Digital Literacy in Supportive Housing	San Francisco	$ 14,180	40	*	7/12/19	1/12/22	
63	Episcopal Community Services of San Francisco	The Rose-Hillsdale: Digital Literacy in Supportive Housing	San Francisco	$ 7,090	20	*	7/12/19	1/12/22	
64	Redwood City Library Foundation	DLP/Redwood City Main Library	San Mateo	$ 79,488	2,080	*	7/12/19	1/12/22	
65	San Diego Futures Foundation	SDFF Digital Literacy Program	San Diego	$ 98,992	820	44	7/12/19	1/12/22	
66	Self-Help Enterprises	Almond Court	Kern	$ 22,325	36	*	7/12/19	1/12/22	
67	Self-Help Enterprises	Bear Creek	Merced	$ 32,251	64	*	7/12/19	1/12/22	
68	Self-Help Enterprises	Biola Village	Fresno	$ 25,161	44	*	7/12/19	1/12/22	
69	Self-Help Enterprises	Caliente Creek	Kern	$ 25,870	46	*	7/12/19	1/12/22	
70	Self-Help Enterprises	Casas de La Vina	Madera	$ 29,415	56	*	7/12/19	1/12/22	
71	Self-Help Enterprises	Casitas del Sol	Merced	$ 22,325	36	*	7/12/19	1/12/22	
72	Self-Help Enterprises	Cottonwood Creek	Madera	$ 23,743	40	*	7/12/19	1/12/22	
73	Self-Help Enterprises	Gateway Village	Stanislaus	$ 26,579	48	*	7/12/19	1/12/22	
74	Self-Help Enterprises	Goshen Village	Tulare	$ 32,251	64	*	7/12/19	1/12/22	
75	Self-Help Enterprises	Goshen Village 2	Tulare	$ 29,415	56	*	7/12/19	1/12/22	
76	Self-Help Enterprises	Highland/Encina/Strawberry/Woodlake Townhomes	Tulare	$ 30,124	58	*	7/12/19	1/12/22	
77	Self-Help Enterprises	Lincoln Plaza	Kings	$ 23,743	40	*	7/12/19	1/12/22	
78	Self-Help Enterprises	North Park	Bakersfield	$ 36,571	104	*	7/12/19	1/12/22	
79	Self-Help Enterprises	Palm Terrace	Tulare	$ 27,288	50	*	7/12/19	1/12/22	
80	Self-Help Enterprises	Parksdale Village	Madera	$ 26,579	48	*	7/12/19	1/12/22	
81	Self-Help Enterprises	Parksdale Village 2	Madera	$ 26,579	48	*	7/12/19	1/12/22	
82	Self-Help Enterprises	Rancho Lindo	Kern	$ 25,161	44	*	7/12/19	1/12/22	
83	Self-Help Enterprises	Rolling Hills	Stanislaus	$ 27,997	52	*	7/12/19	1/12/22	
84	Self-Help Enterprises	Sand Creek	Tulare	$ 30,833	60	*	7/12/19	1/12/22	
85	Self-Help Enterprises	Sierra Village	Tulare	$ 25,161	44	*	7/12/19	1/12/22	
86	Self-Help Enterprises	Solinas Village	Kern	$ 27,997	52	*	7/12/19	1/12/22	
87	Self-Help Enterprises	Vera Cruz/Nueva Sierra Vista	Tulare	$ 37,131	84	*	7/12/19	1/12/22	
88	Self-Help Enterprises	Villa de Guadalupe	Tulare	$ 30,833	60	*	7/12/19	1/12/22	
89	Self-Help Enterprises	Villa Del Rey	Fresno	$ 26,579	48	*	7/12/19	1/12/22	
90	Self-Help Enterprises	Villa Hermosa/Sunrise Villa	Kern	$ 37,131	84	*	7/12/19	1/12/22	
91	Self-Help Enterprises	Viscaya Gardens	Tulare	$ 26,579	48	*	7/12/19	1/12/22	
92	Self-Help Enterprises	Washington Plaza	Tulare	$ 25,161	44	*	7/12/19	1/12/22	
93	Tabernacle Community Development Corp.	Westside Courts Digital Bridge	San Francisco	$ 18,850	50	50	7/12/19	1/12/22	
94	The League of Women Voters of Los Angeles Education Fund	Digital + Civic Literacy	Los Angeles	$ 50,860	180	*	7/12/19	1/12/22	
95	UNDA Digital Movement	Digital Literacy Toolkits No. 1,2,3	Los Angeles	$ 77,292	2,000	947	7/12/19	1/12/22	$ 19,323
96	YMCA Long Beach • Community Development	Youth Institute - Tech Tutor	Los Angeles	$ 62,335	50	150	7/12/19	1/12/22	
97	YWCA Greater Los Angeles	Digital Learning Academy at Angeles Mesa Center	Los Angeles	$ 32,450	100	32	7/12/19	1/12/22	
98	human-I-T	human-I-T Connect Include - Commerce	Los Angeles	$ 68,138	416	2	9/27/19	3/27/22	
99	human-I-T	human-I-T Connect Include - Long Beach	Los Angeles	$ 68,138	416	0	9/27/19	3/27/22	
100	human-I-T	human-I-T Connect Include - Los Angeles	Los Angeles	$ 68,138	416	0	9/27/19	3/27/22	
101	Christian Church Homes	Beth Eden Housing		$ 16,034	33	**	12/31/19	6/30/22	
102	Christian Church Homes	Percy Abrams & Sister Thea Bowman Manor		$ 25,971	53	**	12/31/19	6/30/22	
103	Christian Church Homes	JL Richard & Irene Cooper Terrace		$ 28,383	59	**	12/31/19	6/30/22	
104	Coachella Valley Housing Coalition	Computer Literacy & Technology Training - Pueblo Nuevo		$ 7,059	30	*	12/31/19	6/30/22	
105	Coachella Valley Housing Coalition	Computer Literacy & Technology Training - Vila Hermosa		$ 10,629	40	*	12/31/19	6/30/22	
106	EveryoneOn	Opportunity Connection		$ 32,888	102	*	12/31/19	6/30/22	
107	First Community Housing	Access for All		$ 9,019	15	*	12/31/19	6/30/22	
108	First Community Housing	Access for All		$ 25,233	50	*	12/31/19	6/30/22	
109	First Community Housing	Access for All		$ 10,835	15	*	12/31/19	6/30/22	
110	First Community Housing	Access for All		$ 27,503	40	*	12/31/19	6/30/22	
111	First Community Housing	Access for All		$ 35,448	40	*	12/31/19	6/30/22	
112	First Community Housing	Access for All		$ 17,969	25	*	12/31/19	6/30/22	
113	Parent, Family Engagement and Community Services, Inc.	Community Digital Literacy		$ 82,890	225	*	12/31/19	6/30/22	

	Grantee Name	Project Name	County	Approved Grant Amount	Expected Digital Literacy Participants	Benefits Derived: People Who Have Completed Training (8+ Hours)	Award Date	Expected Completion Date	Payments in 2019
114	Parent, Family Engagement and Community Services, Inc.	El Monte, CA Community Digital Literacy		$ 52,028	130	*	12/31/19	6/30/22	
115	Parent, Family Engagement and Community Services, Inc.	Fullerton, CA Community Digital Literacy		$ 52,028	130	*	12/31/19	6/30/22	
116	Parent, Family Engagement and Community Services, Inc.	Montebello, CA Community Digital Literacy		$ 52,028	130	*	12/31/19	6/30/22	
117	Parent, Family Engagement and Community Services, Inc.	Wilmington, CA Community Digital Literacy		$ 52,028	130	*	12/31/19	6/30/22	
	Total			**$ 4,590,801**	**23,149**	**3,877**			**$ 87,621**

*Projects scheduled to begin in 2020.
**Christian Church Homes awards are pending request for extension.

Broadband Access Projects

	Applicant Name	Project Name	County	Approved Grant Amount	Expected Broadband Access Participants	Benefits Derived: Number of People Provided Broadband Access	Award Date	Expected Completion Date	Payments in 2019
1	Contra Costa County Library – El Sobrante Library	El Sobrante Library Reconstruction	Contra Costa	$ 27,588	3,000	0	12/31/18	6/30/21	
2	Neighborhood Housing Services of Los Angeles County	NHS Tech Lab at The Center	Los Angeles	$ 51,755	3,500	150	12/31/18	6/30/21	
3	Nevada County Library	Public Access Upgrade – Penn Valley Library	Nevada	$ 23,152	2,994	1751	12/31/18	6/30/21	
4	Nevada County Library	Public Access Upgrade – Truckee Library	Nevada	$ 19,403	9,598	5277	12/31/18	6/30/21	
5	Nevada County Library	Public Access Upgrade – Grass Valley Library	Nevada	$ 23,152	15,058	8932	12/31/18	6/30/21	
6	Nevada County Library	Public Access Upgrade – Madelyn Helling Library	Nevada	$ 20,075	34,733	18186	12/31/18	6/30/21	
7	Oakland Unified School District	Get Connected Oakland – OUSD District 5 High Schools	Alameda	$ 47,655	610	575	12/31/18	6/30/21	
8	Oakland Unified School District	Get Connected Oakland – OUSD District 6 High Schools	Alameda	$ 47,655	886	544	12/31/18	6/30/21	
9	Oakland Unified School District	Get Connected Oakland – OUSD District 7 High Schools	Alameda	$ 47,647	888	1010	12/31/18	6/30/21	
10	Reading and Beyond	RaB Broadband Access (Mosqueda)	Fresno	$ 40,472	1,800	284	12/31/18	6/30/21	$ 2,475
11	Reading and Beyond	RaB Broadband Access 1.0 (N Location)	Fresno	$ 40,472	1,800	212	12/31/18	6/30/21	$ 3,261
12	Scholar Match	Project Connect	San Francisco	$ 94,963	1,500	1826	12/31/18	6/30/21	
13	Southeast Community Development Corporation	Bell Tech Center – Broadband Access	Los Angeles	$ 12,685	950	381	12/31/18	6/30/21	
14	Southeast Community Development Corporation	Whittier Tech Center – Broadband Access	Los Angeles	$ 12,685	950	192	12/31/18	6/30/21	
15	Tech Exchange	Tech Hub	Alameda	$ 97,750	1,500	458	12/31/18	6/30/21	$ 2,092
16	City of Palmdale	In Library Laptop Check Out	Los Angeles	$ 17,799	44,520 *		7/12/19	1/12/22	
17	City of Salinas, Salinas Public Library	El Gabilan Library Connects!	Monterey	$ 50,783	8,000	0	7/12/19	1/12/22	
18	Library Foundation of Los Angeles	Cybernauts at LAPL (Multiple locations)	Los Angeles	$ 97,750	5,000	2000	7/12/19	1/12/22	
19	Oakland Unified School District	Get Connected Oakland- OUSD District 1 High Schools	Alameda	$ 8,737	540	417	7/12/19	1/12/22	
20	Oakland Unified School District	Get Connected Oakland- OUSD District 2 High Schools	Alameda	$ 9,854	609	50	7/12/19	1/12/22	
21	Oakland Unified School District	Get Connected Oakland- OUSD District 3 High Schools	Alameda	$ 3,171	196	213	7/12/19	1/12/22	
22	Redwood City Library Foundation	Redwood City Main Library	San Mateo	$ 22,747	6,900 *		7/12/19	1/12/22	
23	City of Cerritos	Cerritos Library Broadband Access Improvement		$ 9,562.50	8930 *		12/31/19	6/30/22	
	Total			**$ 827,513**	**154,462**	**42,458**			**$ 7,828**

Broadband Access - Call Center Projects

	Applicant Name	Project Name	County	Approved Grant Amount	Expected Broadband Subscriptions	Benefits Derived: Number of New Broadband Subscriptions	Award Date	Expected Completion Date	Payments in 2019
1	human-I-T	human-I-T Connect	Statewide	$ 750,525	3,947	1105	9/27/19	3/27/22	
2	California State University, Fresno Foundation	Fresno State Call Center – Central California Region	Statewide	$ 487,500	2,500	*	9/27/19	3/27/22	
3	United Ways of California	Connecting Californians to Affordable, High-Speed Internet	Statewide	$ 1,414,725	7,255	*	9/27/19	3/27/22	
4	Sigma Beta Xi, Inc.	Digital Divide Outreach		$ 59,882.50	2500	*	12/31/19	6/30/22	
	Total			**$ 2,712,633**	**16,202**	**1,105**			**$ -**
	Grand Total (All Projects)			**$ 8,130,946**					**$ 95,450**

All approved CASF Broadband Adoption Account applicants since inception in 2018. Grantees were requested to report to the CPUC the expected benefits of each project in CY 2019.
*Projects scheduled to begin in 2020.

Attachment F-1: Public Housing Adoption Projects as of December 31, 2019

	Recipient	Project	City	Residents	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
1	Bayview Hunters Point Multipurpose Senior Services	Dr. George W. Davis Senior Residence	San Francisco	130	$41,555	$0	$0	5/27/20
2	BRIDGE Housing Corp.	Armstrong Place Senior Housing	San Francisco	152	$36,970	$0	$34,593	12/31/17
3	BRIDGE Housing Corp.	Chestnut Creek Senior Housing	South San Francisco	55	$24,250	$0	$24,250	6/30/19
4	BRIDGE Housing Corp.	Chestnut Linden Court	Oakland	410	$34,170	$6,038	$30,038	6/30/19
5	BRIDGE Housing Corp.	Emeryvilla	Emeryville	46	$23,550	$0	$23,550	6/30/19
6	BRIDGE Housing Corp.	Geraldine Johnson Senior Housing	San Francisco	74	$29,130	$0	$27,382	12/31/17
7	BRIDGE Housing Corp.	Ironhorse at Central	Oakland	251	$30,030	$6,662	$25,399	6/30/19
8	BRIDGE Housing Corp.	Mandela Gateway Apartments	Oakland	440	$34,510	$456	$34,510	6/30/19
9	BRIDGE Housing Corp.	Natoma Family Apartments	San Francisco	137	$25,550	$4,466	$25,550	6/30/19
10	BRIDGE Housing Corp.	Richmond City Center	Richmond	171	$25,630	$3,232	$20,520	6/30/19
11	BRIDGE Housing Corp.	St. Joseph's Senior Apartments	Oakland	103	$33,130	$0	$33,130	12/31/17
12	BRIDGE Housing Corp.	Terraza Palmera at St. Josephs	Oakland	171	$26,090	$6,038	$23,881	6/30/19
13	Christian Church Homes	Fargo Senior Center	San Leandro	102	$42,000	$14,250	$19,060	2/4/20
14	Christian Church Homes	Harrison Street Senior Housing	Oakland	100	$25,420	$19,905	$23,785	12/28/19
15	Christian Church Homes	Sylvester Rutledge Manor - North Oakland Senior Housing	Oakland	69	$39,000	$12,180	$16,880	2/4/20
16	Christian Church Homes	Westlake Christian Terrace East	Oakland	243	$49,500	$34,660	$38,420	2/4/20
17	Christian Church Homes	Westlake Christian Terrace West	Oakland	250	$49,500	$31,090	$34,930	2/4/20
18	EAH Housing Corp.	Buchanan Park	San Rafael	154	$34,460	$28,460	$28,460	9/30/19
19	EAH Housing Corp.	Casa Adobe	San Pablo	56	$20,390	$16,160	$16,160	9/30/19
20	EAH Housing Corp.	Centertown	San Rafael	180	$34,930	$0	$0	**
21	EAH Housing Corp.	Cochrane Village	Morgan Hill	318	$49,900	$0	$0	9/30/20
22	EAH Housing Corp.	Don de Dios	San Rafael	267	$41,070	$0	$0	**
23	EAH Housing Corp.	Drakes Way	Larkspur	68	$10,500	$0	$0	9/30/20
24	EAH Housing Corp.	Elena Gardens	San Jose	362	$49,080	$0	$0	**
25	EAH Housing Corp.	Floral Gardens	Selma	143	$43,286	$0	$0	5/22/20
26	EAH Housing Corp.	Fountain West	Fresno	196	$47,133	$0	$0	5/22/20
27	EAH Housing Corp.	Golden Oaks	Oakley	52	$19,090	$15,890	$15,890	9/30/19
28	EAH Housing Corp.	Los Robles	Union City	420	$49,930	$0	$0	3/31/20
29	EAH Housing Corp.	Palm Court	San Jose	69	$37,239	$0	$0	5/22/20
30	EAH Housing Corp.	Point Reyes	Pt. Reyes Station	72	$16,165	$0	$0	9/30/19
31	EAH Housing Corp.	Pollard Plaza	San Jose	193	$49,935	$0	$0	**
32	EAH Housing Corp.	Riviera Apartments	San Rafael	77	$24,960	$0	$0	5/22/20
33	EAH Housing Corp.	Rodeo Gateway	Rodeo	55	$24,690	$0	$0	5/22/20
34	EAH Housing Corp.	San Clemente Place	Corte Madera	212	$41,478	$0	$0	5/22/20
35	EAH Housing Corp.	Silver Oak	Oakley	26	$14,680	$0	$0	5/22/20
36	EAH Housing Corp.	The Oaks	Walnut Creek	104	$18,513	$0	$0	3/21/20
37	EAH Housing Corp.	Turina House	San Rafael	91	$18,150	$0	$0	5/22/20
38	EAH Housing Corp.	Village Avante	Morgan Hill	100	$49,990	$0	$0	9/30/20
39	EAH Housing Corp.	Vista Park 1	San Jose	112	$37,311	$0	$0	5/22/20
40	EAH Housing Corp.	Vista Park 2	San Jose	122	$37,311	$0	$0	5/22/20
41	East Bay Asian Local Development Corp.	California Hotel	Oakland	166	$49,850	$0	$0	4/20/20
42	East Bay Asian Local Development Corp.	Hismen Hin-Nu Terrace	Oakland	371	$49,994	$0	$0	4/20/20
43	East Bay Asian Local Development Corp.	Noble Tower Apartments	Oakland	270	$50,000	$0	$0	4/20/20
44	Eden Housing, Inc.	801 Alma Family Apartments	Palo Alto	156	$12,880	$6,200	$12,880	1/31/19
45	Eden Housing, Inc.	Altenheim	Oakland	199	$19,380	$0	$18,030	7/1/18
46	Eden Housing, Inc.	Camphora	Soledad	134	$21,040	$10,020	$21,040	1/31/19
47	Eden Housing, Inc.	Carlow Court Apartments	Dublin	74	$12,880	$6,200	$12,880	1/31/19
48	Eden Housing, Inc.	Cottonwood Place Apartments	Fremont	146	$16,015	$0	$15,615	7/1/18
49	Eden Housing, Inc.	Studio 819 Apartments	Mountain View	61	$12,880	$0	$12,830	7/1/18
50	Eden Housing, Inc.	Weinreb Place	Hayward	24	$12,351	$0	$11,951	12/15/17
51	Eden Housing, Inc.	Wexford Way	Dublin	416	$12,880	$0	$12,480	7/1/18
52	Episcopal Community Services of San Francisco	Bishop Swing Community House	San Francisco	135	$49,959	$0	$41,612	6/30/18

	Recipient	Project	City	Residents	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
53	Episcopal Community Services of San Francisco	Canon Barcus Community House	San Francisco	153	$49,520	$0	$35,547	6/30/18
54	Episcopal Community Services of San Francisco	Canon Kip Community House	San Francisco	103	$49,593	$0	$36,092	6/30/18
55	First Community Housing	Betty Ann Gardens	San Jose	230	$38,910	$12,282	$12,282	5/3/20
56	First Community Housing	Casa Feliz Studios	San Jose	60	$36,700	$10,320	$10,320	5/3/20
57	First Community Housing	Creekview inn	San Jose	25	$19,705	$5,160	$5,160	5/3/20
58	First Community Housing	Curtner Studios Digital Connections	San Jose	200	$25,756	$0	$22,712	3/10/17
59	First Community Housing	El Paseo Digital Connections	San Jose	98	$21,030	$0	$20,350	3/10/17
60	First Community Housing	Fourth Street Apts	San Jose	250	$38,910	$11,538	$11,538	5/3/20
61	First Community Housing	Japantown Senior Apts	San Jose	85	$36,700	$10,080	$10,080	5/3/20
62	First Community Housing	Orchard Parkview	Sunnyvale	130	$36,700	$11,760	$11,760	5/3/20
63	Housing Authority of the County of Los Angeles	Carmelitos Housing Development	Long Beach	1750	$28,210	$0	$19,223	1/31/18
64	Housing Authority of the County of Los Angeles	Harbor Hills Housing Development	Lomita	761	$28,210	$0	$19,223	1/31/18
65	Housing Authority of the County of Los Angeles	Nueva Maravilla Housing Development	Los Angeles	1471	$28,210	$0	$19,223	1/31/18
66	Housing Authority of the County of San Bernardino	HACSB Digital Literacy Centers Project		2760	$405,731	$0	$0	9/13/20
67	Housing Authority of the County of San Bernardino	Maplewood homes	San Bernardino	962	$42,589	$21,043	$21,043	5/6/20
68	Housing Authority of the County of San Bernardino	Parkside Pines	Colton	324	$36,519	$0	$0	5/6/20
69	Jamboree Housing Corp.	Ceres Court Apartments	Fontana	147	$12,798	$0	$8,363	9/30/18
70	Jamboree Housing Corp.	Ceres Way Apartments	Fontana	138	$11,877	$0	$9,638	9/30/18
71	Jamboree Housing Corp.	Puerto del Sol Apartments	Long Beach	498	$23,567	$0	$12,483	8/31/17
72	Jamboree Housing Corp.	Woodglen Vista Apartments	Santee	432	$10,677	$0	$10,637	9/30/18
73	Long Beach Affordable Housing Coalition	Grace Manor	Carson	100	$25,007	$0	$0	*
74	Long Beach Affordable Housing Coalition	Metro West Apts	Los Angeles	67	$25,347	$0	$0	*
75	Long Beach Affordable Housing Coalition	West Park	Los Angeles	196	$34,561	$0	$0	*
76	Mutual Housing California	Glen Ellen Mutual Housing Community	Sacramento	96	$34,250	$24,564	$24,564	6/30/19
77	Mutual Housing California	Lemon Hill	Sacramento	282	$42,058	$0	$25,118	8/31/18
78	Mutual Housing California	Moore Village Mutual Housing Community	Davis	154	$41,700	$25,824	$25,824	6/30/19
79	Mutual Housing California	Mutual Housing at Dixianne	Sacramento	184	$40,500	$22,764	$22,764	6/30/19
80	Mutual Housing California	Mutual Housing at Norwood	Sacramento	305	$49,848	$28,891	$28,891	6/30/19
81	Mutual Housing California	Mutual Housing at River Garden	Sacramento	581	$48,898	$29,246	$29,246	6/30/19
82	Mutual Housing California	Mutual Housing at Sky Park	Sacramento	258	$44,289	$0	$27,997	8/31/18
83	Mutual Housing California	Mutual Housing at Spring Lake	Woodland	335	$35,960	$0	$24,763	8/31/18
84	Mutual Housing California	Mutual Housing at the Highlands	North Highlands	141	$49,533	$0	$31,964	8/31/18
85	Mutual Housing California	Mutual Housing on the Greenway	Sacramento	168	$40,100	$27,524	$27,524	6/30/19
86	Mutual Housing California	New Harmony	Davis	195	$38,122	$0	$26,251	8/31/18
87	Mutual Housing California	Owendale	Davis	91	$25,670	$0	$19,722	8/31/18
88	Mutual Housing California	Tremont Green Mutual Housing Community	Davis	94	$34,650	$23,272	$23,272	6/30/19
89	Mutual Housing California	Twin Pines Mutual Housing Community	Davis	80	$34,900	$22,411	$22,411	6/30/19
90	Mutual Housing California	Victory Townhomes Mutual Housing Community	Sacramento	70	$30,250	$21,217	$21,217	6/30/19
91	Oakland Housing Authority	Lockwood Learning Center	Oakland	804	$98,495	$17,965	$17,965	1/26/20
92	Peoples' Self-Help Housing	Ocean View Manor	Morro Bay	40	$13,575	$9,212	$9,212	**
93	Peoples' Self-Help Housing	Oceanside Gardens	Morro Bay	21	$7,883	$6,726	$6,726	**
94	PEP Housing	575 Vallejo Street Senior Apartments Adoption	Petaluma	46	$10,550	$0	$7,023	11/9/16

	Recipient	Project	City	Residents	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
95	PEP Housing	579 Vallejo Street Senior Apartments Adoption	Petaluma	41	$9,430	$0	$6,271	11/10/16
96	PEP Housing	Acacia Lane Senior Apartments Adoption	Santa Rosa	47	$10,190	$0	$6,772	11/3/16
97	PEP Housing	Casa Grande Senior Apartments Adoption	Petaluma	60	$13,350	$0	$9,030	11/17/16
98	PEP Housing	Caulfield Lane Senior Apartments Adoption	Petaluma	23	$5,220	$0	$3,512	11/18/16
99	PEP Housing	Kellgren Senior Apartments Adoption	Petaluma	53	$11,650	$0	$7,776	11/4/16
100	San Francisco Housing Development Corp.	Bayview Commons	San Francisco	61	$23,716	$0	$0	**
101	San Francisco Housing Development Corp.	Hunters Point East	San Francisco	350	$45,967	$0	$0	**
102	San Francisco Housing Development Corp.	Hunters Point West	San Francisco	496	$50,000	$0	$0	**
103	San Francisco Housing Development Corp.	Westbrook	San Francisco	681	$50,000	$0	$0	**
104	Satellite Affordable Housing Associates	Amistad House	Berkeley	63	$48,290	$0	$47,875	10/30/18
105	Satellite Affordable Housing Associates	Arboleda Apartments Adoption	Walnut Creek	92	$40,756	$0	$40,756	6/30/17
106	Satellite Affordable Housing Associates	Beth Asher	Oakland	53	$37,260	$33,479	$33,479	7/31/19
107	Satellite Affordable Housing Associates	Columbia Park Manor	Pittsburg	87	$41,930	$39,991	$39,991	7/31/19
108	Satellite Affordable Housing Associates	Lakeside Senior Apartments	Oakland	118	$46,360	$46,360	$46,360	5/31/19
109	Satellite Affordable Housing Associates	Lawrence Moore Manor	Berkeley	50	$34,125	$31,527	$31,527	7/31/19
110	Satellite Affordable Housing Associates	Linda Glen	Oakland	44	$31,560	$29,978	$29,978	7/31/19
111	Satellite Affordable Housing Associates	Merritt Crossing Adoption	Oakland	95	$50,000	$0	$48,535	9/24/17
112	Satellite Affordable Housing Associates	Orchards Senior Homes	Oakland	67	$34,230	$33,838	$33,838	6/30/19
113	Satellite Affordable Housing Associates	Petaluma Avenue Homes	Sebastapol	99	$48,350	$0	$48,054	8/30/18
114	Satellite Affordable Housing Associates	Sacramento Senior Homes	Berkeley	41	$30,150	$28,770	$28,770	7/31/19
115	Satellite Affordable Housing Associates	Satellite Central	Oakland	196	$50,000	$0	$49,807	8/30/18
116	Satellite Affordable Housing Associates	Strawberry Creek Lodge Adoption	Berkeley	150	$49,970	$0	$49,679	9/24/17
117	Satellite Affordable Housing Associates	Stuart Pratt Manor	Berkeley	47	$27,910	$27,173	$27,173	7/31/19
118	Satellite Affordable Housing Associates	Valdez Plaza	Oakland	194	$50,000	$0	$48,547	8/30/18
119	Silvercrest, Inc.	Parc Grove Commons	Fresno	559	$38,894	$0	$20,806	12/5/17
120	Silvercrest, Inc.	Parc Grove Northwest	Fresno	381	$38,894	$0	$16,161	12/5/17
121	Silvercrest, Inc.	Viking Village	Fresno	121	$38,894	$0	$18,504	12/5/17
122	Tabernacle Community Development Corp.	Robert B Pitts Residences	San Francisco	203	$49,400	$5,666	$5,666	4/20/20
123	WARD Economic Development Corp.	Rosa Parks Villas	Los Angeles	75	$23,746	$0	$0	6/21/20
124	WARD Economic Development Corp.	Tuelyn Terrace	Los Angeles	85	$26,820	$0	$0	6/21/20
125	WARD Economic Development Corp.	Ward Villas	Los Angeles	140	$43,733	$0	$0	6/21/20
126	West Sacramento Housing Development Corp.	Patio Apartments	West Sacramento	56	$26,140	$0	$12,918	12/21/17

	Recipient	Project	City	Residents	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
127	West Sacramento Housing Development Corp.	Washington Courtyards	West Sacramento	279	$45,760	$14,093	$41,188	7/15/19
128	West Sacramento Housing Development Corp.	West Capitol Courtyards	West Sacramento	155	$49,984	$15,024	$42,928	7/15/19
TOTAL				**28,652**	**$ 4,671,022**	**$ 869,605**	**$2,169,735**	

* Projects scheduled to be rescinded in 2020

** Projects completed but completion report not submitted

Note: Of the 128 approved Public Housing Adoption projects, 114 were approved through ministerial review and 14 were approved through CPUC resolutions. For a list of resolutions, see https://www.cpuc.ca.gov/General.aspx?id=6442458629.

Attachment F-2: Public Housing Infrastructure Projects as of December 31, 2019

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
1	Abode Communities	Laurel Village	Los Angeles	80	$36,000	$0	$29,370	3/7/16
2	Affordable Housing Access	Villa Mirage	Rancho Mirage	98	$44,100	$0	$44,100	10/27/17
3	Affordable Housing Alliance II, Inc. dba Integrity Housing	Dudley Street Senior Apartments	Pomona	84	$37,350	$0	$37,351	3/15/17
4	Affordable Housing Alliance II, Inc. dba Integrity Housing	Guest House	Santa Ana	72	$32,400	$0	$32,400	7/31/18
5	Better Opportunity Builders	Brierwood	Fresno	50	$47,730	$0	$0	*
6	Better Opportunity Builders	Villa Del Mar	Fresno	48	$28,080	$0	$7,020	*
7	Burbank Housing Development Corp.	Crossroads Apartments	Santa Rosa	79	$35,288	$0	$35,288	8/14/18
8	Burbank Housing Development Corp.	Parklane Apartments	Petaluma	90	$39,875	$0	$38,710	9/16/16
9	Butterfield Retirement LP	Butterfield Retirement	Morgan Hill	114	$34,020	$0	$34,020	9/20/17
10	Cabrillo Economic Development Corp.	Montgomery Oaks	Ojai	21	$12,600	$0	$12,600	7/27/16
11	Cabrillo Economic Development Corp.	Valle Naranjal Farmwork Housing	Piru	68	$30,600	$0	$22,963	10/3/16
12	Chinatown Community Development Center	227 Bay	San Francisco	50	$22,313	$0	$22,063	5/31/17
13	Chinatown Community Development Center	990 Pacific	San Francisco	92	$40,120	$0	$39,285	11/20/17
14	Community Housing Works	Cedar Nettleton	Vista	67	$30,150	$0	$30,076	1/15/18
15	Community Housing Works	Cypress Cove	Escondido	200	$85,000	$0	$85,000	6/27/17
16	Community Housing Works	Mayberry Townhomes	San Diego	70	$40,250	$0	$40,250	6/27/17
17	Community Housing Works	Mission Cove	Oceanside	138	$41,400	$0	$41,400	7/10/18
18	Community Housing Works	North Park LGBT Senior	San Diego	76	$34,200	$0	$34,200	2/28/18
19	Community Housing Works	Northwest Manors II (Mountain)	Pasadena	26	$15,600	$0	$15,600	2/9/17
20	Community Housing Works	Northwest Manors II (Raymond)	Pasadena	18	$10,800	$0	$10,800	1/18/17
21	Community Housing Works	Parks at Fig Garden	Fresno	366	$75,000	$0	$74,952	11/2/18
22	Community Housing Works	Sunridge Apartments	Concord	198	$59,400	$0	$59,400	11/9/18
23	Concerned Citizens of South Central LA	1410 Apartments	Los Angeles	12	$7,192	$0	$7,192	11/6/18
24	Concerned Citizens of South Central LA	Central Avenue Village Apartments	Los Angeles	45	$24,438	$0	$23,686	11/1/15
25	Concerned Citizens of South Central LA	Gwen Bolden Manor	Los Angeles	24	$14,399	$0	$13,847	10/1/15
26	Concerned Citizens of South Central LA	Juanita Tate Legacy Towers	Los Angeles	118	$34,882	$0	$33,694	6/30/17
27	Concerned Citizens of South Central LA	One Wilkins Place	Los Angeles	18	$10,605	$0	$10,605	11/9/18
28	Concerned Citizens of South Central LA	Roberta II	Los Angeles	40	$22,255	$0	$7,650	11/12/18
29	Concerned Citizens of South Central LA	Roberta Stephens Apartments I	Los Angeles	40	$22,255	$0	$10,350	11/9/18
30	Deep Green Housing and Community Development	Broadway Village II	Los Angeles	50	$19,900	$0	$18,650	2/3/16
31	EAH Housing Corp.	Buchanan Park	San Francisco	68	$30,125	$0	$30,125	3/6/18
32	EAH Housing Corp.	Casa Adobe	San Pablo	54	$21,288	$0	$21,287	3/22/17
33	EAH Housing Corp.	Centertown	San Rafael	60	$26,638	$0	$26,638	12/7/17
34	EAH Housing Corp.	Cochrane Village	Morgan Hill	96	$40,620	$0	$0	**
35	EAH Housing Corp.	Don De Dios	San Jose	70	$31,263	$0	$31,013	6/28/18
36	EAH Housing Corp.	Drakes Way	Larkspur	24	$13,833	$0	$0	**
37	EAH Housing Corp.	Elena Gardens	San Jose	168	$66,860	$0	$66,860	5/11/17
38	EAH Housing Corp.	Floral Gardens	Selma	56	$23,140	$0	$23,140	4/12/17
39	EAH Housing Corp.	Fountain West	Fresno	72	$30,793	$0	$30,793	8/31/17
40	EAH Housing Corp.	Golden Oaks	Oakley	50	$29,225	$0	$28,975	11/14/17
41	EAH Housing Corp.	Los Robles	Union City	140	$42,000	$0	$0	**
42	EAH Housing Corp.	Palm Court	San Jose	66	$26,128	$0	$26,098	9/16/16
43	EAH Housing Corp.	Point Reyes Family Homes	Point Reyes Station	27	$16,200	$0	$16,075	3/22/18

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
44	EAH Housing Corp.	Pollard Plaza	San Jose	130	$49,650	$0	$49,650	8/24/17
45	EAH Housing Corp.	Riviera	San Rafael	28	$13,033	$0	$12,333	3/8/16
46	EAH Housing Corp.	Rodeo Gateway	Rodeo	50	$17,175	$0	$15,313	3/10/16
47	EAH Housing Corp.	San Clemente	Corte Madera	79	$31,923	$0	$29,736	4/21/16
48	EAH Housing Corp.	Silver Oak	Oakley	24	$12,573	$0	$12,573	9/21/16
49	EAH Housing Corp.	The Oaks Apartments	Walnut Creek	36	$15,428	$0	$15,428	6/22/17
50	EAH Housing Corp.	Turina House	San Rafael	28	$12,533	$0	$11,833	3/9/16
51	EAH Housing Corp.	Village Avante	Morgan Hill	112	$33,600	$0	$0	**
52	EAH Housing Corp.	Vista Park I	San Jose	83	$30,608	$0	$30,493	8/25/16
53	EAH Housing Corp.	Vista Park II	San Jose	83	$30,608	$0	$30,493	9/13/16
54	East Bay Asian Local Development Corp.	Avalon Senior	Emeryville	67	$27,925	$0	$27,925	3/21/17
55	East Bay Asian Local Development Corp.	Drasnin Manor	Oakland	26	$13,633	$0	$13,633	1/26/17
56	East Bay Asian Local Development Corp.	Effie's House	Oakland	21	$12,175	$0	$12,175	2/2/17
57	East Bay Asian Local Development Corp.	Giant Road	San Pablo	86	$38,115	$0	$30,735	6/23/17
58	East Bay Asian Local Development Corp.	Hugh Taylor House	Oakland	43	$20,848	$0	$20,848	2/9/17
59	East Bay Asian Local Development Corp.	Jack London Gateway Senior	Oakland	61	$19,865	$0	$19,865	12/19/16
60	East Bay Asian Local Development Corp.	Lillie Mae Jones	Richmond	26	$11,580	$0	$11,580	6/1/17
61	East Bay Asian Local Development Corp.	Madison Park	Oakland	98	$42,605	$0	$42,605	8/2/17
62	East Bay Asian Local Development Corp.	Madrone Hotel	Oakland	32	$18,088	$0	$18,088	2/14/18
63	East Bay Asian Local Development Corp.	Marcus Garvey	Oakland	22	$13,050	$0	$13,050	8/2/17
64	East Bay Asian Local Development Corp.	Oak Park	Oakland	35	$16,975	$0	$16,975	1/25/17
65	East Bay Asian Local Development Corp.	Prosperity Place (aka 1110 Jackson)	Oakland	71	$31,501	$0	$26,094	11/17/16
66	East Bay Asian Local Development Corp.	San Pablo Hotel	Oakland	144	$42,980	$0	$42,980	3/23/17
67	East Bay Asian Local Development Corp.	Seven Directions	Oakland	36	$13,753	$0	$10,853	4/11/16
68	East Bay Asian Local Development Corp.	Slim Jenkins Court	Oakland	32	$15,300	$0	$15,300	6/13/17
69	East Bay Asian Local Development Corp.	Swans Market	Oakland	18	$10,175	$0	$10,175	6/1/17
70	Eden Housing, Inc.	Tienda Drive Senior	Lodi	80	$34,750	$0	$34,625	9/14/17
71	Eden Housing, Inc	Eden Essei Terrace	Hayward	100	$36,575	$0	$36,575	9/21/17
72	Eden Housing, Inc	Hayward Senior	Hayward	60	$24,375	$0	$24,375	4/4/18
73	Eden Housing, Inc	Josephine Lum Lodge AB	Hayward	78	$31,983	$31,983	$31,983	12/28/18
74	Eden Housing, Inc	Josephine Lum Lodge CD	Hayward	72	$29,505	$29,505	$29,505	12/28/18
75	Eden Housing, Inc	Warner Creek	Novato	61	$25,358	$0	$25,358	1/24/18
76	Eden Housing, Inc.	Jasmine Square	Morgan Hill	72	$28,029	$28,029	$28,029	1/10/19
77	Eden Housing, Inc.	Monticelli	Gilroy	52	$23,195	$0	$0	*
78	Eden Housing, Inc.	Rancho Park	Hollister	54	$24,195	$0	$0	*
79	Eden Housing, Inc.	Royal Court	Morgan Hill	55	$19,028	$0	$0	*
80	Eden Housing, Inc.	Sequoia Manor	Fremont	81	$33,975	$0	$33,975	1/18/18
81	Eden Housing, Inc.	Wheeler Manor 650 5th	Gilroy	21	$10,151	$10,151	$10,151	11/27/18
82	Eden Housing, Inc.	Wheeler Manor 651 6th	Gilroy	90	$35,708	$35,708	$35,708	11/27/18
83	Eden South Bay, Inc.	Camphora Apartments	Soledad	44	$26,198	$0	$26,198	6/17/16
84	Episcopal Community Services of San Francisco	Bishop Swing Community House	San Francisco	135	$38,685	$0	$38,685	1/24/17
85	Episcopal Community Services of San Francisco	Canon Barcus Community House	San Francisco	48	$21,408	$0	$21,408	1/10/17

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
86	Episcopal Community Services of San Francisco	Canon Kip Community House	San Francisco	104	$30,848	$0	$30,848	12/21/16
87	First Community Housing	Bay Avenue Senior	Capitola	109	$32,655	$0	$26,148	1/28/16
88	First Community Housing	Betty Ann Gardens	San Jose	76	$29,428	$0	$29,048	6/21/16
89	First Community Housing	Casa Feliz Studios	San Jose	60	$22,700	$0	$16,200	1/6/16
90	First Community Housing	Craig Gardens	San Jose	90	$26,100	$0	$25,425	12/3/15
91	First Community Housing	Creekview Inn	San Jose	25	$8,150	$0	$8,025	1/26/16
92	First Community Housing	Curtner Studios	San Jose	179	$53,533	$0	$53,533	4/19/17
93	First Community Housing	El Paseo	San Jose	98	$33,433	$0	$32,733	2/17/16
94	First Community Housing	Guadalupe Apartments	San Jose	23	$13,583	$0	$12,468	5/7/16
95	First Community Housing	Los Esteros	San Jose	246	$66,690	$0	$63,340	1/26/16
96	First Community Housing	Murphy Ranch	Morgan Hill	100	$34,838	$0	$33,037	9/28/15
97	First Community Housing	Orchard Gardens	Sunnyvale	62	$21,680	$0	$17,330	6/8/16
98	First Community Housing	Paula Apartments	San Jose	21	$10,152	$0	$10,047	4/7/16
99	First Community Housing	Second Street Studios	San Jose	135	$40,350	$40,350	$40,350	1/23/19
100	First Community Housing	Troy Apartments	San Jose	30	$16,475	$0	$15,425	5/12/16
101	First Community Housing	Villa Montgomery	Redwood City	58	$18,845	$0	$18,395	3/11/16
102	Global CVCAH	Bay Family	Moreno Valley	61	$26,840	$0	$26,840	11/22/16
103	Global CVCAH	Clinton Apartments	Mecca	59	$25,960	$0	$25,960	3/1/17
104	Global CVCAH	La Amistad	Mendota	81	$35,640	$0	$35,640	11/10/16
105	Global CVCAH	Lincoln Family	Mecca	57	$25,080	$0	$25,080	3/1/17
106	Global CVCAH	Meridian Family	Sacramento	47	$25,850	$0	$25,850	7/7/17
107	Global CVCAH	Mirage Vista	Pixley	55	$24,200	$0	$24,200	11/23/16
108	Global CVCAH	Perris Isle Senior	Moreno Valley	189	$85,050	$0	$85,050	7/18/17
109	Global CVCAH	Sunnyview I	Delano	70	$29,750	$0	$29,750	11/21/16
110	Global CVCAH	Sunnyview II	Delano	70	$29,750	$0	$29,750	11/21/16
111	HIP Housing	Edgewater Isle	San Mateo	92	$29,343	$0	$21,893	3/30/16
112	Housing Authority of Fresno County	Maldonado Migrant Center	Firebaugh	64	$28,800	$0	$7,200	*
113	Housing Authority of the City of Fresno	Dayton Square	Fresno	66	$29,370	$0	$7,343	2/28/19
114	Housing Authority of the City of Fresno	El Cortez	Fresno	48	$27,840	$0	$27,840	9/25/18
115	Housing Authority of the City of Los Angeles	Independent Towers (Independent Square)	Los Angeles	196	$58,698	$0	$58,690	5/26/16
116	Housing Authority of the City of Los Angeles	San Fernando Gardens	Pacoima	448	$200,978	$0	$200,977	6/8/17
117	Housing Authority of the City of Los Angeles	Union Towers	Los Angeles	200	$60,000	$0	$59,970	5/26/16
118	Housing Authority of the City of San Buenaventura	Buena Vida Family	Ventura	20	$11,925	$0	$11,925	8/15/18
119	Housing Authority of the City of San Buenaventura	Westview	Ventura	100	$44,963	$0	$0	**
120	Housing Authority of the County of Kern	Arivn FLC	Bakersfield	88	$74,800	$0	$0	**
121	Housing Authority of the County of Kern	Arvin Sun Gardens	Arvin	50	$30,000	$0	$0	**
122	Housing Authority of the County of Kern	Baker Street	Bakersfield	37	$22,200	$0	$22,150	8/31/17
123	Housing Authority of the County of Kern	Green Gardens	Bakersfield	104	$31,200	$0	$31,200	10/5/17
124	Housing Authority of the County of Kern	Homer Harrison	Delano	50	$30,000	$0	$30,000	8/31/17
125	Housing Authority of the County of Kern	Monterey St	Bakersfield	16	$15,808	$15,808	$15,808	12/12/19
126	Housing Authority of the County of Kern	Park Place Apartments	Bakersfield	80	$36,000	$0	$36,000	8/31/17
127	Housing Authority of the County of Kern	Parkview	Arvin	28	$27,300	$0	$0	**

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
128	Housing Authority of the County of Kern	Pinewood Glen	Bakersfield	110	$33,000	$0	$33,000	8/31/17
129	Housing Authority of the County of Kern	Plaza Towers	Bakersfield	117	$35,100	$0	$35,100	8/31/17
130	Housing Authority of the County of Kern	Plaza Towers Annex	Bakersfield	82	$36,900	$0	$36,900	8/31/17
131	Housing Authority of the County of Kern	Quincy St. Apartments	Delano	32	$19,200	$0	$19,200	8/31/17
132	Housing Authority of the County of Kern	Residence at Old Town Kern	Bakersfield	30	$18,000	$0	$18,000	8/31/17
133	Housing Authority of the County of Kern	Residence at West Columbus	Bakersfield	50	$30,000	$0	$30,000	8/31/17
134	Housing Authority of the County of Kern	Village Congressional	Arvin	60	$51,000	$0	$0	**
135	Housing Authority of the County of Kern	Village Park Apartments	Bakersfield	60	$27,000	$0	$27,000	8/31/17
136	Housing Authority of the County of Santa Barbara	Lompoc Gardens I	Lompoc	40	$33,800	$0	$33,800	1/31/18
137	Housing Authority of the County of Santa Barbara	Lompoc Gardens II	Lompoc	35	$33,075	$0	$33,075	1/31/18
138	Housing Authority of the County of Santa Barbara	Miller Plaza	Lompoc	24	$22,128	$0	$22,128	1/31/18
139	Housing Authority of the County of Santa Barbara	Parkside Garden Apartments	Lompoc	48	$28,800	$0	$28,800	1/31/18
140	Long Beach Affordable Housing Coalition	Acacia Street Apartments	Inglewood	23	$12,487	$0	$0	*
141	Long Beach Affordable Housing Coalition	Beverly Manor	Los Angeles	59	$26,550	$0	$15,932	*
142	Long Beach Affordable Housing Coalition	Carlin Avenue Apartments	Lynwood	15	$8,250	$0	$0	*
143	Long Beach Affordable Housing Coalition	Grace Manor	Carson	38	$21,517	$0	$12,286	*
144	Long Beach Affordable Housing Coalition	Louise Avenue Apartments	Lynwood	14	$7,970	$0	$0	*
145	Long Beach Affordable Housing Coalition	Metro West Apartments	Los Angeles	40	$18,176	$0	$8,576	*
146	Long Beach Affordable Housing Coalition	Orizaba Avenue	Paramount	8	$4,730	$0	$0	*
147	Long Beach Affordable Housing Coalition	Raymond Avenue Apartments	Long Beach	8	$4,730	$0	$0	*
148	Long Beach Affordable Housing Coalition	Somerset Aenue Apartments	Paramount	24	$12,440	$0	$0	*
149	Mary Elizabeth Inn	Mary Elizabeth Inn	San Francisco	92	$40,271	$0	$40,121	10/19/17
150	Mary Elizabeth Inn	The Verona	San Francisco	65	$28,278	$0	$28,273	4/5/17
151	Mercy Housing California	180 Beamer	Woodland	80	$35,675	$35,675	$35,675	12/17/18
152	Mercy Housing California	623 Vernon	Roseville	58	$25,660	$0	$25,660	10/25/18
153	Mercy Housing California	Land Park Woods	Sacramento	75	$33,675	$0	$33,550	6/22/17
154	Mercy Housing California	Mather Veterans Village	Mather	50	$21,663	$0	$16,415	5/23/16
155	Mercy Housing California	Sunset Valley Duplexes	Wheatland	88	$31,520	$0	$29,320	1/14/16
156	MidPen Housing	Celestina Gardens	Sonoma	40	$22,589	$0	$0	**
157	MidPen Housing	Fetters Apartments	Sonoma	60	$26,770	$0	$26,770	2/7/17
158	MidPen Housing	St. Stephens Senior Housing	Santa Cruz	40	$23,509	$0	$23,509	5/22/17
159	MidPen Housing Corp.	Donner Lofts	San Jose	102	$30,443	$0	$30,443	5/18/16
160	MidPen Housing Corp.	Foster Square	Foster City	66	$28,833	$0	$28,833	8/22/16
161	MidPen Housing Corp.	Laguna Commons	Fremont	64	$28,752	$0	$28,432	8/30/16
162	Mid-Peninsula The Farm	University Avenue Senior	East Palo Alto	41	$24,193	$0	$24,193	7/14/17
163	Mid-Peninsula The Farm	6800 Mission	Daly City	52	$23,400	$0	$23,400	3/23/17
164	Mid-Peninsula The Farm	Onizuka Crossing	Sunnyvale	58	$23,572	$0	$23,572	4/26/16
165	Mid-Peninsula The Farm	Sequoia Belle Haven	Menlo Park	90	$39,794	$0	$39,794	2/20/17
166	Mutual Housing California	Lemon Hill Townhomes	Sacramento	74	$31,885	$0	$30,035	12/10/15

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
167	Mutual Housing California	Los Robles	Sacramento	80	$35,288	$0	$34,293	12/8/15
168	Mutual Housing California	Mutual Housing at Foothill Farms	Sacramento	98	$43,575	$0	$43,085	1/19/17
169	Napa Valley Community Housing	Arroyo Grande Villas	Yountville	25	$20,625	$0	$20,625	2/22/18
170	Napa Valley Community Housing	Magnolia Park Townhomes	Napa	29	$23,925	$0	$23,925	2/22/18
171	Napa Valley Community Housing	Mayacamas Village	Napa	51	$41,565	$0	$41,565	2/23/18
172	Napa Valley Community Housing	Napa Park Homes	Napa	140	$63,700	$0	$63,700	2/27/18
173	Napa Valley Community Housing	Oak Creek Terrace	Napa	41	$30,955	$0	$30,955	2/22/18
174	Napa Valley Community Housing	Pecan Court Apartments	Napa	25	$23,875	$0	$23,875	3/5/18
175	Napa Valley Community Housing	Silverado Creek Apartments	Napa	102	$66,810	$0	$66,810	2/20/18
176	Napa Valley Community Housing	The Reserve of Napa	Napa	117	$64,350	$0	$64,350	2/21/18
177	Napa Valley Community Housing	Villa de Adobe Apartments	Napa	16	$15,600	$0	$15,600	2/21/18
178	Peoples' Self-Help Housing	Atascadero Gardens	Atascadero	18	$10,800	$8,100	$10,800	1/14/19
179	Peoples' Self-Help Housing	Belridge Street Apartments	Oceano	12	$7,200	$0	$0	**
180	Peoples' Self-Help Housing	Canyon Creek Apartments	Paso Robles	68	$30,600	$0	$30,600	8/30/17
181	Peoples' Self-Help Housing	Casas Las Granadas	Santa Barbara	12	$7,200	$0	$0	**
182	Peoples' Self-Help Housing	Cawelti Court	Arroyo Grande	28	$16,800	$0	$16,800	8/30/17
183	Peoples' Self-Help Housing	Chapel Court	Carpinteria	28	$16,800	$16,800	$16,800	9/7/19
184	Peoples' Self-Help Housing	College Park	Lompoc	35	$21,000	$0	$21,000	8/30/17
185	Peoples' Self-Help Housing	Courtland Street Apartments	Arroyo Grande	36	$21,600	$0	$21,600	8/30/17
186	Peoples' Self-Help Housing	Creekside Gardens	Paso Robles	29	$17,400	$0	$17,400	8/30/17
187	Peoples' Self-Help Housing	Creston Gardens	Paso Robles	60	$27,000	$0	$27,000	7/11/18
188	Peoples' Self-Help Housing	Dahlia Court	Carpinetria	55	$52,250	$39,188	$52,250	12/19/18
189	Peoples' Self-Help Housing	Dahlia Court II	Carpinteria	33	$31,350	$0	$31,350	11/5/18
190	Peoples' Self-Help Housing	El Patio Hotel	Ventura	42	$25,200	$0	$25,200	8/30/17
191	Peoples' Self-Help Housing	Isle Vista Apartments	Isla Vista	56	$30,800	$0	$30,800	11/5/18
192	Peoples' Self-Help Housing	Juniper Street Apartments	Arroyo Grande	14	$8,400	$0	$0	**
193	Peoples' Self-Help Housing	La Brisa Marina	Oceano	16	$9,600	$7,200	$9,600	2/1/19
194	Peoples' Self-Help Housing	Lachen Tara	Avila Beach	29	$17,400	$0	$17,400	8/30/17
195	Peoples' Self-Help Housing	Ladera Street Apartments	Santa Barbara	51	$28,050	$0	$28,050	11/5/18
196	Peoples' Self-Help Housing	Los Adobes de Maria I	Santa Maria	65	$29,250	$0	$29,250	8/30/17
197	Peoples' Self-Help Housing	Los Adobes de Maria II	Santa Maria	52	$23,400	$0	$23,400	8/30/17
198	Peoples' Self-Help Housing	Los Robles Terrace	Paso Robles	40	$24,000	$0	$24,000	8/30/17
199	Peoples' Self-Help Housing	Mariposa Town Homes	Orcutt	80	$76,000	$0	$76,000	10/26/17
200	Peoples' Self-Help Housing	Oak Forest Apartments	Arroyo Grande	20	$12,000	$9,000	$12,000	12/19/18
201	Peoples' Self-Help Housing	Ocean View Manor	Morro Bay	40	$24,000	$0	$24,000	8/30/17
202	Peoples' Self-Help Housing	Oceanside Gardens	Morro Bay	21	$12,600	$0	$12,600	8/30/17
203	Peoples' Self-Help Housing	Pacific View Apartments	Morro Bay	26	$15,600	$0	$15,600	8/30/17
204	Peoples' Self-Help Housing	River View Townhomes	Guadalupe	80	$36,000	$0	$36,000	8/30/17
205	Peoples' Self-Help Housing	Rolling Hills Apartments	Templeton	53	$49,025	$0	$12,256	**
206	Peoples' Self-Help Housing	Schoolhouse Lane Apartments	Cambria	24	$14,400	$0	$14,400	8/30/17
207	Peoples' Self-Help Housing	Sea Breeze Apartments	Los Osos	29	$17,400	$17,400	$17,400	7/26/19
208	Peoples' Self-Help Housing	Sea Haven Apartments	Pismo Beach	12	$7,200	$7,200	$7,200	4/9/19
209	Peoples' Self-Help Housing	Sequoia Apartments	Morro Bay	12	$7,200	$5,400	$7,200	2/1/19
210	Peoples' Self-Help Housing	South Bay Apartments	Los Osos	75	$33,750	$33,750	$33,750	7/26/19
211	Peoples' Self-Help Housing	Storke Ranch Apartments	Goleta	36	$27,180	$6,795	$27,180	12/19/18
212	Peoples' Self-Help Housing	Templeton Place	Templeton	29	$17,400	$0	$17,400	8/30/17
213	Peoples' Self-Help Housing	The Villas at Higuera	San Luis Obispo	28	$16,800	$0	$16,800	8/30/17
214	Peoples' Self-Help Housing	Valentine Court I	Santa Maria	35	$21,000	$15,750	$21,000	12/19/18
215	Peoples' Self-Help Housing	Valentine Court II	Santa Maria	18	$10,800	$0	$0	**
216	Peoples' Self-Help Housing	Valentine Court III	Santa Maria	9	$5,400	$0	$0	**
217	Peoples' Self-Help Housing	Victoria Hotel	Santa Barbara	28	$16,800	$0	$16,800	8/30/17
218	Peoples' Self-Help Housing	Victoria Street Bungalows	Santa Barbara	16	$15,200	$0	$15,200	6/7/18

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
219	Peoples' Self-Help Housing	Villa La Esperanza	Goleta	83	$53,950	$13,488	$53,950	12/19/18
220	PEP Housing	Casa Grande	Petaluma	58	$24,029	$0	$20,619	1/28/16
221	PEP Housing	Caulfield Lane	Petaluma	22	$12,501	$0	$9,661	1/28/16
222	PEP Housing	Mountain View	Petaluma	24	$10,087	$0	$9,617	2/2/16
223	PEP Housing	Sun House Senior	Ukiah	42	$20,803	$0	$20,803	9/15/17
224	PEP Housing	10 Toussin	Kentfield	13	$7,557	$0	$6,492	6/24/15
225	PEP Housing	1275 Lindberg	Petaluma	16	$8,296	$0	$7,161	6/25/15
226	PEP Housing	167 Edith	Petaluma	24	$10,675	$0	$9,300	6/23/15
227	PEP Housing	210 Douglas	Petaluma	24	$10,287	$0	$9,197	6/23/15
228	PEP Housing	575 Vallejo	Petaluma	45	$16,822	$0	$14,566	6/22/15
229	PEP Housing	579 Vallejo	Petaluma	40	$12,295	$0	$11,419	6/23/15
230	Richmond Housing Authority	Friendship Manor	Richmond	58	$25,152	$0	$0	**
231	Richmond Housing Authority	Nevin Plaza	Richmond	142	$41,520	$0	$0	**
232	Richmond Housing Authority	Triangle Court	Richmond	98	$43,080	$0	$0	**
233	San Francisco Housing Development Corp.	Bayview Commons	San Francisco	29	$17,166	$0	$17,166	11/16/17
234	San Francisco Housing Development Corp.	Hunters Point East	San Francisco	89	$39,601	$0	$39,601	6/4/18
235	San Francisco Housing Development Corp.	Hunters Point West	San Francisco	124	$36,967	$0	$36,967	3/23/18
236	San Francisco Housing Development Corp.	Westbrook Apartments	San Francisco	227	$67,157	$66,941	$66,941	11/5/19
237	Satellite Affordable Housing Associates	Columbia Park Manor	Pittsburg	79	$21,225	$0	$21,225	3/30/17
238	Satellite Affordable Housing Associates	Lakeside Senior Apartments	Oakland	100	$23,733	$0	$23,734	3/2/17
239	Satellite Affordable Housing Associates	Lawrence Moore	Berkeley	46	$16,537	$0	$16,537	5/28/17
240	Satellite Affordable Housing Associates	Linda Glen	Oakland	42	$15,520	$0	$15,457	3/4/17
241	Satellite Affordable Housing Associates	Otterbein Manor	Oakland	44	$15,949	$0	$15,847	4/26/17
242	Satellite Affordable Housing Associates	Sacramento Senior Homes	Berkeley	40	$16,844	$0	$16,844	4/30/17
243	Satellite Affordable Housing Associates	Amistad House	Oakland	60	$22,235	$0	$20,293	10/14/16
244	Satellite Affordable Housing Associates	Beth Asher	Oakland	50	$30,125	$0	$17,920	6/9/17
245	Satellite Affordable Housing Associates	Petaluma Avenue Homes	Sebastopol	45	$17,994	$0	$17,994	12/2/16
246	Satellite Affordable Housing Associates	Satellite Central	Oakland	152	$33,461	$0	$33,339	10/14/16
247	Satellite Affordable Housing Associates	Stuart Pratt	Berkeley	44	$26,638	$0	$16,582	5/30/17
248	Satellite Affordable Housing Associates	Valdez Plaza	Oakland	150	$29,400	$0	$26,394	8/31/16
249	Self Help Enterprises	Almond Court Partners	Wasco	36	$21,600	$0	$21,600	4/19/16
250	Self Help Enterprises	Caliente Creek Partners	Arvin	46	$27,600	$0	$26,600	4/20/16
251	Self Help Enterprises	North Park Apartments Housing	Bakersfield	104	$31,200	$0	$31,200	5/5/16
252	Self Help Enterprises	Rancho Lindo Partners	Lamont	44	$35,200	$0	$35,200	4/13/17
253	Self Help Enterprises	Rolling Hills Partners	Newman	52	$28,600	$0	$28,600	4/13/17
254	Self Help Enterprises	Solinas Village aka Self Help Communities 1	McFarland	52	$35,100	$0	$35,100	4/13/17
255	Self Help Enterprises	Sunrise Villa Partners	Wasco	44	$26,400	$0	$26,400	4/19/16
256	Self Help Enterprises	Villa Hermosa Partners	Wasco	40	$24,000	$0	$24,000	4/22/16
257	Self Help Enterprises	Washington Plaza Partners	Earlimart	44	$26,400	$0	$26,400	4/21/16
258	Self-Help Enterprises	Cottonwood Creek	Madera	40	$22,800	$0	$22,800	4/20/16

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
259	Self-Help Enterprises	Gateway Village	Modesto	48	$28,800	$0	$28,800	5/2/18
260	Self-Help Enterprises	Goshen Village II	Goshen	56	$25,200	$0	$25,200	5/2/18
261	Self-Help Enterprises	Lincoln Plaza	Hanford	48	$24,000	$0	$24,000	4/26/16
262	Self-Help Enterprises	Parksdale Village II	Madera	48	$28,800	$0	$28,800	5/2/18
263	Self-Help Enterprises	Sand Creek	Orosi	60	$27,000	$0	$27,000	5/2/18
264	Self-Help Enterprises	Villa de Guadalupe	Orosi	60	$27,000	$0	$27,000	5/2/18
265	Self-Help Enterprises	Villa Del Rey	Del Rey	48	$28,800	$0	$28,800	4/22/16
266	Self-Help Enterprises	Viscaya Gardens	Dinuba	48	$28,800	$0	$28,800	5/2/18
267	Silvercrest, Inc.	Inyo Terrace	Fresno	44	$25,960	$0	$25,960	11/26/18
268	Silvercrest, Inc.	Pacific Gardens	Fresno	56	$28,800	$14,866	$14,866	11/26/18
269	Silvercrest, Inc.	Parc Grove Commons	Fresno	215	$64,400	$0	$59,900	4/1/16
270	Silvercrest, Inc.	Parc Grove Northwest	Fresno	148	$43,560	$0	$43,560	4/1/16
271	Silvercrest, Inc.	Yosemite Village	Fresno	69	$44,850	$0	$0	*
272	Skid Row Housing Trust	Charles Cobb Apartments	Los Angeles	76	$34,200	$0	$0	11/30/19
273	Skid Row Housing Trust	New Genesis Apartments	Los Angeles	106	$31,800	$0	$0	11/30/19
274	Skid Row Housing Trust	Star Apartments	Los Angeles	102	$30,600	$0	$0	11/30/19
275	Surf Development Company	Central Plaza	Santa Maria	112	$61,040	$0	$61,040	1/31/18
276	Surf Development Company	Creekside Village	Los Alamos	39	$22,386	$0	$22,386	12/27/17
277	Surf Development Company	Cypress Court	Lompoc	60	$27,000	$0	$27,000	1/31/18
278	Surf Development Company	Leland Park	Orcutt	16	$15,600	$0	$15,600	1/31/18
279	Surf Development Company	Palm Grove	Lompoc	40	$37,800	$0	$37,800	1/31/18
280	Surf Development Company	Parkview Apartments	Goleta	20	$15,210	$0	$15,210	1/31/18
281	Surf Development Company	Pescadero Lofts	Goleta	33	$19,173	$0	$19,173	1/31/18
282	Surf Development Company	Positano Apartments	Goleta	130	$39,000	$39,000	$39,000	11/19/19
283	Surf Development Company	Rancho Hermosa	Santa Maria	47	$27,730	$0	$27,730	12/27/17
284	Surf Development Company	Sandpiper Apartments	Goleta	68	$30,600	$0	$30,600	1/31/18
285	Surf Development Company	Santa Rita Village I	Lompoc	36	$21,600	$0	$21,600	1/31/18
286	Surf Development Company	Ted Zenich Gardens	Santa Maria	24	$14,400	$0	$14,400	1/31/18
287	Sutter Community Affordable Housing	Kristen Court Apartments	Live Oak	56	$25,038	$0	$24,299	12/14/16
288	Swords to Plowshares Veterans Rights Org.	The Fairfax Hotel	San Francisco	0	$9,353	$0	$8,909	10/29/15
289	Swords to Plowshares Veterans Rights Org.	The Stanford Hotel	San Francisco	0	$5,144	$0	$4,462	9/18/15
290	Tenderloin Neighborhood Development Corp.	430 Turk	San Francisco	89	$35,215	$0	$35,215	11/17/17
291	Tenderloin Neighborhood Development Corp.	939 Eddy	San Francisco	36	$21,563	$0	$21,462	12/8/17
292	Tenderloin Neighborhood Development Corp.	951 Eddy	San Francisco	26	$15,037	$0	$15,037	12/11/17
293	Tenderloin Neighborhood Development Corp.	Aarti Hotel	San Francisco	0	$23,972	$0	$23,972	12/8/17
294	Tenderloin Neighborhood Development Corp.	Alexander Residence	San Francisco	179	$53,673	$0	$53,673	12/15/17
295	Tenderloin Neighborhood Development Corp.	Antonia Manor	San Francisco	133	$39,726	$0	$39,726	12/4/17
296	Tenderloin Neighborhood Development Corp.	Buena Vista Terrace	San Francisco	40	$23,640	$0	$23,640	12/1/17
297	Tenderloin Neighborhood Development Corp.	Civic Center Residence	San Francisco	212	$63,472	$0	$63,472	2/23/18
298	Tenderloin Neighborhood Development Corp.	Curran House	San Francisco	67	$24,966	$0	$24,865	6/6/17
299	Tenderloin Neighborhood Development Corp.	Dalt Hotel	San Francisco	179	$45,574	$0	$45,547	6/26/17
300	Tenderloin Neighborhood Development Corp.	Folsom + Dore Apartments	San Francisco	98	$43,976	$0	$43,976	9/27/17
301	Tenderloin Neighborhood Development Corp.	Maria Manor	San Francisco	119	$34,224	$0	$32,795	12/15/17
302	Tenderloin Neighborhood Development Corp.	Mosaica (Family)	San Francisco	93	$41,170	$0	$41,170	9/22/17

	Recipient	Project	City	Apartment Units	Grant Award	Payment 2019	Total Paid	Complete Date or Expected
303	Tenderloin Neighborhood Development Corp.	Mosaica (Senior)	San Francisco	24	$14,220	$0	$14,220	9/22/17
304	Tenderloin Neighborhood Development Corp.	Ritz Hotel	San Francisco	88	$30,252	$0	$30,252	6/1/17
305	Tenderloin Neighborhood Development Corp.	SOMA Family Apartments	San Francisco	74	$27,767	$0	$27,767	6/29/17
306	Tenderloin Neighborhood Development Corp.	SOMA Studios	San Francisco	88	$31,344	$0	$31,344	6/30/17
307	Tenderloin Neighborhood Development Corp.	West Hotel	San Francisco	106	$31,683	$0	$31,683	12/8/17
308	The Banneker Homes, Inc.	Banneker Homes	San Francisco	108	$45,900	$0	$45,900	8/23/18
309	Visionary Home Builders of California, Inc	Almond Terrace	Ceres	46	$27,600	$0	$27,600	11/28/18
310	Visionary Home Builders of California, Inc	Delta Plaza	Stockton	30	$17,288	$0	$17,288	4/3/18
311	Visionary Home Builders of California, Inc	Dewey Apartments	Stockton	10	$6,000	$0	$5,750	4/3/18
312	Visionary Home Builders of California, Inc	Diamond Cove Townhomes I-A	Stockton	36	$21,600	$0	$21,600	5/11/18
313	Visionary Home Builders of California, Inc	Diamond Cove Townhomes I-B	Stockton	24	$14,400	$0	$14,360	6/4/18
314	Visionary Home Builders of California, Inc	Mountain View Townhomes	Tracy	37	$22,200	$0	$21,825	11/28/18
315	Visionary Home Builders of California, Inc	Villa Isabella	Stockton	20	$11,925	$0	$11,675	4/3/18
316	Visionary Home Builders of California, Inc	Villa Monterey	Stockton	45	$27,000	$0	$27,000	11/28/18
317	Visionary Home Builders of California, Inc	Whispering Pines	Sacramento	96	$43,200	$0	$43,200	8/10/18
318	Ward Economic Development Corp.	Rosa Parks Villas	Los Angeles	60	$26,468	$0	$0	12/31/19
319	Ward Economic Development Corp.	Tuelyn Terrace	Los Angeles	90	$40,202	$0	$0	12/31/19
320	Ward Economic Development Corp.	Ward Villas	Los Angeles	120	$35,836	$0	$0	12/31/19
321	West Sacramento Housing Development Corp.	Patio Apartments	West Sacramento	45	$16,875	$0	$15,750	1/12/16
322	West Sacramento Housing Development Corp.	Washington Courtyards	West Sacramento	90	$23,100	$0	$20,850	1/13/16
323	West Sacramento Housing Development Corp.	West Capitol	West Sacramento	125	$32,113	$0	$32,113	1/12/16
TOTAL				**21,326**	**$9,192,704**	**$528,087**	**$7,939,111**	

* Projects scheduled to be rescinded in 2020

** Projects built but waiting on completion reports

Note: Of the 323 approved Public Housing Infrastructure projects, 271 were approved through ministerial review and 52 were approved through CPUC resolutions. For a list of resolutions see https://www.cpuc.ca.gov/General.aspx?id=6442458629.

Attachment G: Public Housing Completed Project Costs and Participation as of December 31, 2019

	Recipient	Project	Complete	Residents	Grant	Payment	Trained	% Trained	% Trained that Subscribed to Broadband	Cost per Resident Trained
1	BRIDGE Housing Corp.	Armstrong Place Senior Housing	12/31/17	152	$36,970	$34,593	49	32.2%	91.8%	$706
2	BRIDGE Housing Corp.	Chestnut Creek Senior Housing	6/30/19	55	$24,250	$24,250	38	69.1%	100.0%	$638
3	BRIDGE Housing Corp.	Chestnut Linden Court	6/30/19	410	$34,170	$30,038	43	10.5%	100.0%	$699
4	BRIDGE Housing Corp.	Emeryvilla	6/30/19	46	$23,550	$23,550	22	47.8%	95.5%	$1,070
5	BRIDGE Housing Corp.	Geraldine Johnson Senior Housing	12/31/17	74	$29,130	$27,382	18	24.3%	100.0%	$1,521
6	BRIDGE Housing Corp.	Ironhorse at Central	6/30/19	251	$30,030	$25,399	13	5.2%	84.6%	$1,954
7	BRIDGE Housing Corp.	Mandela Gateway Apartments	6/30/19	440	$34,510	$34,510	62	14.1%	100.0%	$557
8	BRIDGE Housing Corp.	Natoma Family Apartments	6/30/19	137	$25,550	$25,550	33	24.1%	100.0%	$774
9	BRIDGE Housing Corp.	Richmond City Center	6/30/19	171	$25,630	$20,520	14	8.2%	100.0%	$1,466
10	BRIDGE Housing Corp.	St. Joseph's Senior Apartments	12/31/17	103	$33,130	$33,130	42	40.8%	66.7%	$789
11	BRIDGE Housing Corp.	Terraza Palmera at St. Josephs	6/30/19	171	$26,090	$23,881	34	19.9%	100.0%	$702
12	EAH Housing Corp.	Buchanan Park	9/30/19	145	$34,460	$28,460	38	26.2%	100.0%	$749
13	EAH Housing Corp.	Casa Adobe	9/30/19	57	$20,390	$16,160	33	57.9%	100.0%	$490
14	EAH Housing Corp.	Golden Oaks	9/30/19	59	$19,090	$15,890	34	57.6%	100.0%	$467
15	EAH Housing Corp.	Point Reyes	9/30/19	70	$16,165	$14,765	20	28.6%	100.0%	$738
16	Eden Housing, Inc.	801 Alma Family Apartments	1/31/19	156	$12,880	$12,880	38	24.4%	100.0%	$339
17	Eden Housing, Inc.	Altenheim	7/1/18	136	$19,380	$18,030	64	47.1%	100.0%	$282
18	Eden Housing, Inc.	Camphora	1/31/19	119	$21,040	$21,040	40	33.6%	100.0%	$526
19	Eden Housing, Inc.	Carlow Court Apartments	1/31/19	74	$12,880	$12,880	41	55.4%	100.0%	$314
20	Eden Housing, Inc.	Cottonwood Place Apartments	7/1/18	146	$16,015	$15,615	90	61.6%	87.8%	$174
21	Eden Housing, Inc.	Studio 819 Apartments	7/1/18	61	$12,880	$12,830	47	77.0%	83.0%	$273
22	Eden Housing, Inc.	Weinreb Place	12/15/17	24	$12,351	$11,951	19	79.2%	100.0%	$629
23	Eden Housing, Inc.	Wexford Way	7/1/18	416	$12,880	$12,480	136	32.7%	84.6%	$92
24	Episcopal Community Services of San Francisco	Bishop Swing Community House	6/30/18	135	$49,959	$41,612	75	55.6%	100.0%	$555
25	Episcopal Community Services of San Francisco	Canon Barcus Community House	6/30/18	153	$49,520	$35,547	32	20.9%	100.0%	$1,111
26	Episcopal Community Services of San Francisco	Canon Kip Community House	6/30/18	103	$49,593	$36,092	38	36.9%	100.0%	$950
27	First Community Housing	Curtner Studios Digital Connections	3/10/17	200	$25,756	$22,712	41	20.5%	100.0%	$554
28	First Community Housing	El Paseo Digital Connections	3/10/17	98	$21,030	$20,350	22	22.4%	100.0%	$925
29	Housing Authority of the County of Los Angeles	Carmelitos Housing Development	1/31/18	1750	$28,210	$19,223	288	16.5%	35.8%	$67
30	Housing Authority of the County of Los Angeles	Harbor Hills Housing Development	1/31/18	761	$28,210	$19,223	97	12.7%	33.0%	$198
31	Housing Authority of the County of Los Angeles	Nueva Maravilla Housing Development	1/31/18	1471	$28,210	$19,223	285	19.4%	38.2%	$67
32	Jamboree Housing Corp.	Ceres Court Apartments	9/30/18	160	$12,798	$8,363	56	35.0%	71.4%	$149
33	Jamboree Housing Corp.	Ceres Way Apartments	9/30/18	173	$11,877	$9,637	50	28.9%	90.0%	$193
34	Jamboree Housing Corp.	Puerto del Sol Apartments	8/31/17	498	$23,567	$12,483	59	11.8%	79.7%	$212
35	Jamboree Housing Corp.	Woodglen Vista Apartments	9/30/18	514	$10,677	$10,637	150	29.2%	30.0%	$71
36	Mutual Housing California	Glen Ellen Mutual Housing Community	6/30/19	100	$34,250	$24,564	28	28.0%	71.4%	$877
37	Mutual Housing California	Lemon Hill	8/31/18	258	$42,058	$25,118	24	9.3%	100.0%	$1,047
38	Mutual Housing California	Moore Village Mutual Housing Community	6/30/19	142	$41,700	$25,824	36	25.4%	72.2%	$717
39	Mutual Housing California	Mutual Housing at Dixianne	6/30/19	160	$40,500	$22,764	19	11.9%	89.5%	$1,198
40	Mutual Housing California	Mutual Housing at Norwood	6/30/19	301	$49,848	$28,891	42	14.0%	71.4%	$688
41	Mutual Housing California	Mutual Housing at River Garden	6/30/19	594	$48,898	$29,246	52	8.8%	73.1%	$562
42	Mutual Housing California	Mutual Housing at Sky Park	8/31/18	246	$44,289	$27,997	24	9.8%	100.0%	$1,167
43	Mutual Housing California	Mutual Housing at Spring Lake	8/31/18	188	$35,960	$24,763	16	8.5%	100.0%	$1,548
44	Mutual Housing California	Mutual Housing at the Highlands	8/31/18	138	$49,533	$31,964	30	21.7%	100.0%	$1,065
45	Mutual Housing California	Mutual Housing on the Greenway	6/30/19	149	$40,100	$27,524	41	27.5%	85.4%	$671
46	Mutual Housing California	New Harmony	8/31/18	104	$38,122	$26,251	12	11.5%	100.0%	$2,188
47	Mutual Housing California	Owendale	8/31/18	183	$25,670	$19,722	26	14.2%	100.0%	$759
48	Mutual Housing California	Tremont Green Mutual Housing Community	6/30/19	94	$34,650	$23,272	25	26.6%	76.0%	$931
49	Mutual Housing California	Twin Pines Mutual Housing Community	6/30/19	81	$34,900	$22,411	20	24.7%	90.0%	$1,121
50	Mutual Housing California	Victory Townhomes Mutual Housing Community	6/30/19	95	$30,250	$21,217	21	22.1%	81.0%	$1,010
51	Petaluma Ecumenical Properties	575 Vallejo Street Senior Apartments Adoption	11/9/16	46	$10,550	$7,023	28	60.9%	100.0%	$251
52	Petaluma Ecumenical Properties	579 Vallejo Street Senior Apartments Adoption	11/10/16	41	$9,430	$6,271	25	61.0%	100.0%	$251
53	Petaluma Ecumenical Properties	Acacia Lane Senior Apartments Adoption	11/3/16	47	$10,190	$6,772	27	57.4%	100.0%	$251

	Recipient	Project	Complete	Residents	Grant	Payment	Trained	% Trained	% Trained that Subscribed to Broadband	Cost per Resident Trained
54	Petaluma Ecumenical Properties	Casa Grande Senior Apartments Adoption	11/17/16	60	$13,350	$9,030	36	60.0%	100.0%	$251
55	Petaluma Ecumenical Properties	Caulfield Lane Senior Apartments Adoption	11/18/16	23	$5,220	$3,512	14	60.9%	100.0%	$251
56	Petaluma Ecumenical Properties	Kellgren Senior Apartments Adoption	11/4/16	53	$11,650	$7,776	31	58.5%	100.0%	$251
57	Satellite Affordable Housing Associates	Amistad House	10/30/18	63	$48,290	$47,875	39	61.9%	100.0%	$1,228
58	Satellite Affordable Housing Associates	Arboleda Apartments Adoption	6/30/17	92	$40,756	$40,756	32	34.8%	100.0%	$1,274
59	Satellite Affordable Housing Associates	Beth Asher	7/31/19	53	$37,260	$33,479	35	66.0%	100.0%	$957
60	Satellite Affordable Housing Associates	Columbia Park Manor	7/31/19	87	$41,930	$39,991	40	46.0%	100.0%	$1,000
61	Satellite Affordable Housing Associates	Lakeside Senior Apartments	5/31/19	91	$46,360	$46,360	71	60.2%	100.0%	$653
62	Satellite Affordable Housing Associates	Lawrence Moore Manor	7/31/19	50	$34,125	$31,527	28	56.0%	100.0%	$1,126
63	Satellite Affordable Housing Associates	Linda Glen	7/31/19	44	$31,560	$29,978	26	59.1%	100.0%	$1,153
64	Satellite Affordable Housing Associates	Merritt Crossing Adoption	9/24/17	95	$50,000	$48,536	37	38.9%	100.0%	$1,312
65	Satellite Affordable Housing Associates	Orchards Senior Homes	6/30/19	67	$34,230	$33,838	34	50.7%	100.0%	$995
66	Satellite Affordable Housing Associates	Petaluma Avenue Homes	8/30/18	99	$48,350	$48,054	31	31.3%	100.0%	$1,550
67	Satellite Affordable Housing Associates	Sacramento Senior Homes	7/31/19	41	$30,150	$28,770	22	53.7%	100.0%	$1,308
68	Satellite Affordable Housing Associates	Satellite Central	8/30/18	196	$50,000	$49,807	116	59.2%	100.0%	$429
69	Satellite Affordable Housing Associates	Strawberry Creek Lodge Adoption	9/24/17	150	$49,970	$49,679	67	44.7%	100.0%	$741
70	Satellite Affordable Housing Associates	Stuart Pratt Manor	7/31/19	47	$27,910	$27,173	25	53.2%	100.0%	$1,087
71	Satellite Affordable Housing Associates	Valdez Plaza	8/30/18	194	$50,000	$48,547	101	52.1%	100.0%	$481
72	Silvercrest, Inc.	Parc Grove Commons	12/5/17	559	$38,894	$20,806	61	10.9%	100.0%	$341
73	Silvercrest, Inc.	Parc Grove Northwest	12/5/17	381	$38,894	$16,161	45	11.8%	100.0%	$359
74	Silvercrest, Inc.	Viking Village	12/5/17	121	$38,894	$18,504	26	21.5%	100.0%	$712
75	West Sacramento Housing Development Corp.	Patio Apartments	12/21/17	56	$26,140	$12,917	13	23.2%	100.0%	$994
76	West Sacramento Housing Development Corp.	Washington Courtyards	7/15/19	279	$45,760	$41,187	59	21.1%	100.0%	$698
77	West Sacramento Housing Development Corp.	West Capitol Courtyards	7/15/19	155	$49,984	$42,928	84	54.2%	100.0%	$511
			Total:	15,539	$2,383,403	$1,929,670	3,730			
							Average:	24.0%	81.5%	$517