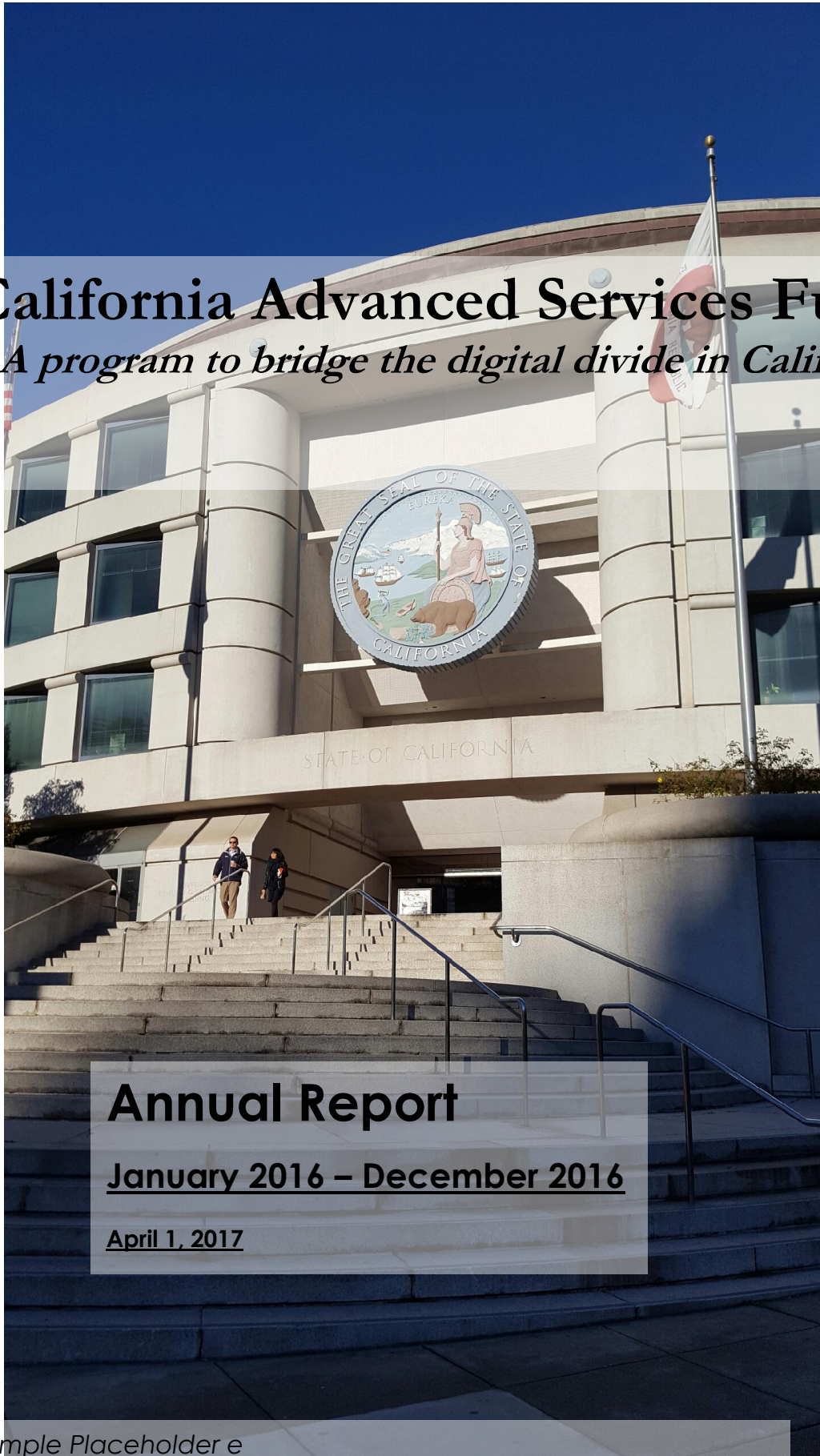




California Advanced Services Fund

A program to bridge the digital divide in California



Annual Report

January 2016 – December 2016

April 1, 2017



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I. Executive Summary

The California Public Utilities Commission (CPUC) submits this annual report (pursuant to California Public Utilities Code section 914.7(a) for calendar year 2016 of the CPUC's California Advanced Services Fund (CASF) program.¹

This CASF Annual Report to the Legislature presents financial and programmatic highlights through the year 2016, including cumulative grant and loan awards, expenditures, federal matching funds and annual surcharge collections through 2020. The impact of the CASF program is described in terms of geographic regions, remaining unserved and underserved areas in need of broadband access, subscriptions and potential benefits. The CASF program provides:

The Digital Divide is the gap between having access to computers, technology, and information and not having access. Providing access to broadband is one part of the solution to bridge the gap.

- (1) Grants and loans for deployment of broadband infrastructure in unserved and underserved areas;
- (2) Grants to regional consortia to advance broadband deployment, access and adoption;
- (3) Grants to public housing for access and/or adoption activities.

The CASF Program continues to make steady progress toward closing the digital divide in California. As of December 31, 2016, there have been 58 CASF infrastructure project grants awarded and 31 completed.² Together, the 58 projects are expected to provide broadband access to 110,755 unserved and underserved households combined.³ The 33 completed projects and 25 partially completed projects offer broadband service in their respective areas with a household subscribership of 7,021.⁴ The regional Consortia continue to advance initiatives aimed at increasing broadband deployment, access and adoption in the geographic regions they represent.

¹ The CPUC's Communications Division staff prepared this report.

² See Table 4 "CASF Infrastructure Grant and Loan Distributions."

³ Data based on CASF resolutions approving the 58 infrastructure projects. See <http://www.cpuc.ca.gov/General.aspx?id=1057>.

⁴ Includes 209 middle-mile direct to household subscriptions. This does not include households provided service indirectly by ISPs that interconnect with middle-mile projects.

There were 275 public housing infrastructure grants approved affecting 17,430 units, and 57 adoption projects approved to provide digital literacy training to public housing locations with 11,619 residents⁵.

On September 27, 2016, Senate Bill 745 (SB 745) was signed by Governor Brown and amends Sections 281 and 914.7 of the Public Utilities Code. SB 745 adds language for the inclusion of representatives of workforce organizations and air pollution control or air quality management districts to be included in the eligible consortia. It also requires the CPUC to prioritize unserved housing developments. Additionally, SB 745 extended the Public Housing Account and postpones the return of moneys to other accounts within the CASF until December 31, 2020.

The statutory goal of the program is to award funding by December 31, 2016 for projects that will provide broadband access to no less than 98% of California households.⁶ The CPUC considers an area served if broadband is available at speeds of 6 Mbps downstream and 1.5 Mbps upstream, or greater. Based on this definition of “served” availability, Table 1, shows that the 98 percent broadband access goal has been met for households located in urban areas, while only an estimated 47 percent of households in rural areas have access to broadband at served speeds. Statewide, an estimated 95 percent of households have access to wireline broadband at served speeds.⁷ Regarding mobile broadband, the majority of households in all areas of California do not have mobile services available at served speeds. Statewide, only an estimated 7.8 percent of households have access to mobile broadband at served speeds.⁸

⁵ See Table 6(a) and Attachment (PH #1 and #2)

⁶ Public Utilities Code Section 281(b)(1).

⁷ See Table 11 “Wireline Broadband Availability.”

⁸ See Table 13 “Mobile Broadband Availability.”

Table 1. Rural and Urban Household Availability to Wireline and Mobile Broadband

Rural households*	% Total rural households served	% Total rural households underserved & unserved	Urban households	% Total urban households served	% Total urban households underserved & unserved
Wireline Broadband Access**					
680,877	46.54%	53.46%	12,261,071	97.92%	2.08%
Mobile Broadband Access ***					
680,877	9.89%	90.11%	12,261,071	7.66%	92.34%

* CA Department of Finance, January 2016.

** Estimate based on December 2015 Broadband Availability Data.

*** Estimates based on Spring 2016 mobile field testing using interpolated mean minus 2 standard deviation results.

Commission staff is developing a “high-impact analysis” identifying areas that contain unserved, or under-and-unserved areas. The “staff white paper/ report” identifies over 34,000 households, about 9% of the remaining 360,000 households that must be served in order to meet our 98% broadband availability statutory mandate. Workshops will be held on February 28th to address the “high-impact analysis” and workshops in March will be held regarding program strategies.

Table 2, below, is a summary of awards for each of the CASF accounts from their inception through calendar year (CY) 2016 as well as their outstanding applications pending review as of December 31, 2016.

Table 2, CASF Summary of Awards as of December 31, 2016

CASF Account	Total Authorized Funding Since Programs' Inception	Total Awarded from Programs' Inception through CY 2015	Total Awarded in CY 2016	Total Awarded from Programs' Inception through December 2016	Outstanding Applications
Infrastructure Grant	\$270,000,000	\$123,486,699	\$29,464,713	\$152,951,412	\$126,510,301
Infrastructure Loan	\$500,000	\$626,654	\$0	\$0	
Consortia	\$15,000,000	\$8,873,476	\$3,226,376	\$12,099,852	\$1,442,808
Public Housing	\$25,000,000	\$2,497,868	\$6,860,798	\$9,358,666	\$10,163,764
Totals	\$310,500,000	\$135,484,697	\$39,551,887	\$174,409,930	\$138,116,873

II. CASF Program Background

The CPUC established the CASF program in Decision 07-12-054. Senate Bill 1193 (Stats. 2008, c.393) affirmed the CASF as a new universal service program geared towards the deployment of broadband infrastructure in unserved and underserved areas of California. A history of the CASF program statutory and CPUC program developments are described in prior CASF annual reports.⁹

The 2016 CASF Annual Report to the Legislature reports on the statutory requirements in Public Utilities Code Section 914.7(a):

- (1) The amount of funds expended from the CASF in the prior year;
- (2) The recipients of funds expended from the CASF in the prior year;
- (3) The geographic regions of the state affected by funds expended from the CASF in the prior year;
- (4) The expected benefits to be derived from the funds expended from the CASF in the prior year;
- (5) Actual broadband adoption levels from the funds expended from the CASF in the prior year;
- (6) The amount of funds expended from the CASF used to match federal funds;
- (7) An update to the expenditures from the CASF and broadband adoption levels, and an accounting of remaining unserved and underserved households and areas of the state; and
- (8) The status of the CASF balance and the projected amount to be collected in each year through 2020 to fund approved projects.

III. 2016 CASF Report in Response to P.U. Code 914.7(a)

In 2016, the CPUC continued to make progress toward closing the digital divide in California. The CPUC funded 11 additional infrastructure projects to provide broadband access to 18,249 unserved and underserved households combined. The 12 regional Consortia approved in 2016 continue to advance initiatives aimed at increasing broadband deployment, access and adoption in 40 out of 58 counties in California. Additionally, there were 189 public housing infrastructure grants

⁹ These reports are posted on the CPUC website at:
<http://www.cpuc.ca.gov/PUC/Telco/Information+for+providing+service/CASF/CASFReports.htm>

approved affecting 11,752 units, and 43 adoption projects to provide digital literacy training to public housing locations with 9,653 residents in 2016. The Commission adopted 24 CASF resolutions.

A. CASF Funding

The CASF is funded by a surcharge rate on revenues collected by telecommunications carriers from end-users for intrastate telecommunication services. Per Public Utilities Code Section 281(d)(3), the CPUC may collect a total of \$315 million to fund the CASF program, where \$100 million was collected prior to January 1, 2011, and \$215 million may be collected on and after January 1, 2011, and continuing through calendar year 2020 in an amount not to exceed \$25 million per year. Following these guidelines, CD assessed the initial surcharge rate based on intrastate telecommunication service revenues projected by the telecommunications carriers. Each year thereafter, CD reassessed the revenues requirement taking into consideration the variance between projected and actual revenues, and modified the surcharge rate, if necessary. Table 3, below, summarized surcharge collections and other revenues received by CASF from inception of the program through December 31, 2016 as well as the applicable surcharge rates for the collection periods.

Table 3, CASF-Revenues

	Surcharge Collection	Other Revenues	Total Revenues	Surcharge Rate / Effective Date until changed	
FY 08-09	\$79,017,271	\$350,967	\$79,368,238	0.25%	1/1/2008
FY 09-10	\$36,284,686	\$657,998	\$36,942,684	0.00%	1/1/2010
FY 10-11	\$230,528	\$526,221	\$756,749		
FY 11-12	\$11,000,027	\$157,400	\$11,157,427	0.14%	11/1/2011
FY 12-13	\$23,290,541	\$127,069	\$23,417,610	0.16%	4/1/2013
FY 13-14	\$28,649,903	\$892,064	\$29,541,967	0.46%	4/1/2014
FY 14-15	\$65,609,157	\$315,686	\$65,924,843		
FY 15-16	\$56,326,670	\$823,272	\$57,149,942		
FY 16-17 (as of Dec 2015)	\$17,615,980	\$332,718	\$17,948,698	0.00%	12/1/2016
Total	\$318,024,761	\$4,183,397	\$322,208,157		

B. CASF Expenditures and Fund Condition

Public Utilities Code section 914.7(a)(1) requires a report on the amount of funds expended from the CASF in the prior year. Table 4 below is a summary of revenues, disbursements, encumbrances and fund balance for the CASF program as of December 31, 2016.¹⁰ As illustrated, in 2016, CASF received over \$55 million of revenues and disbursed over \$13 million of funds for local assistance, i.e. grant payments, and state operations.

Table 4, CASF Revenues, Expenditures and Fund Balance as of December 31, 2016

1	Revenues	2008-Dec 2015	CY 2016	Total as of Dec 31, 2016
2	Regulatory / Delinquent Fees	\$264,007,542	\$54,017,219	\$318,024,761
3	Investment Income	\$3,156,808	\$1,002,082	\$4,158,890
4	Loan repayment and Interest	\$15,595	\$8,911	\$24,506
5	Total Revenues (Sum of Ln 2-4)	\$267,179,945	\$55,028,212	\$322,208,157
6				
7	Disbursements			
8	Infrastructure Grant - Local Assistance	\$59,227,694	\$7,401,482	\$66,629,176
9	Infrastructure Grant - State Operations*	\$7,248,134	\$3,179,750	\$10,428,703
10	Sub-Total	\$66,475,828	\$10,581,232	\$77,057,879
11	Infrastructure Loan - Local Assistance	\$330,802	\$1,640	\$332,442
12	Infrastructure Loan - State Operations	\$431,278	\$261,098	\$692,376
13	Sub-Total	\$762,080	\$262,738	\$1,024,818
14	Consortia - Local Assistance	\$7,419,424	\$1,191,741	\$8,611,165
15	Consortia - State Operations	\$1,069,350	(\$407,953)	\$661,397
16	Sub-Total	\$8,488,774	\$783,788	\$9,272,562
17	Public Housing - Local Assistance	\$139,110	\$1,799,802	\$1,938,912
18	Public Housing - State Operations	\$143,215	\$100,279	\$243,494
19	Sub-Total	\$282,325	\$1,900,081	\$2,182,406
20				
21	Total Disbursements (Sum of Ln 10,13,16,19)	\$76,009,007	\$13,527,839	\$89,537,665
22				
23	Available Funds (Ln 5 less Ln 21)	\$191,170,938	\$41,500,373	\$232,670,492
24	Outstanding Encumbrances as of Dec 31, 2016			\$80,122,241
25	Fund Balance as of Dec 31, 2016 (Ln 23 minus Ln 24)			\$152,548,251

* Includes pro-rata and fund adjustments for the CASF Fund Account.

¹⁰ Data are from CALSTARS reports G04, Q16, Q24 and Q26.

As of December 31, 2016, CASF has a fund balance of over \$152 million after deducting outstanding encumbrances of \$80 million from the available funds of \$232 million. Outstanding encumbrances are remaining grants payable to the grant recipients. However, since approved grants prior to 2013 were not encumbered, and the timing difference between grants approved by the Commission and approved grants encumbered in CALSTARS, CD estimated the outstanding encumbrances may be understated by as much as \$12 million, i.e. approximately \$10 million for the Infrastructure Account and \$2 million of the Consortia Account.

C. Recipients of CASF Funds and Regions Affected in 2016

Public Utilities Code section 914.7(a)(2) and (3) requires the CPUC to report on the recipients of funds and the geographic regions of the state affected by funds expended from the CASF in the prior year.

Infrastructure Grant and Loan Account Distributions

Table 4, below, lists approved CASF infrastructure projects, recipients, grant and loan awards and payments for the 58 projects as of December 2016, by county. In 2016, total awards from the CASF Infrastructure Grant and Loan Accounts amounted to \$33.9 million for eleven last

CASF Infrastructure Grant and Loan awards through 2016 amounted to \$153.6 million for 58 projects potentially benefiting 110,755 households.

mile projects potentially benefitting 18,249 households.¹¹ Payments to grantees in calendar year 2016 totaled \$7.9 million.¹² Cumulatively from 2008 through 2016, infrastructure grant and loan awards totaled \$152.9 million for 58 projects potentially benefitting 110,755 households. Out of the 58 projects that have been awarded CASF infrastructure grants, to date 34 projects have been completed. For more information, Attachments A-1 through A-4, identify approved, pending,

¹¹ Attachment A-1 “Approved CASF Infrastructure Projects” identifies unserved and underserved households by project.

¹² There were no loan payments in 2015.

denied, withdrawn and rescinded projects and details about the each project including, applicant, location, amount, and households. Funding for CVIN, LLC in 2016, was reduced by \$346,984 and 206,764 households.

Table 4. CASF Infrastructure Grant and Loan Distributions 2016¹³

Projects Approved, Not Complete							
Completed Projects							
‡ indicates Middle Mile Projects							
Item #	Recipient	Project Name	County	Approval Date	Grant Award	2016 Payments	Total Payment a/o 12/31/2016
1	Anza Electric Cooperative, Inc.	Connect Anza	Riverside	12/17/2015	\$2,662,450	\$1,075,136	\$1,075,136
Total Anza Electric					\$2,662,450	\$1,075,136	\$1,075,136
2	AT&T	Alta/Blue Canyon	Nevada/Placer	12/20/2009	\$56,628	\$0	\$56,628
3	AT&T	Blanchard	Mariposa	11/21/2008	\$35,816	\$0	\$24,963
4	AT&T	Comptche	Mendocino	2/20/2009	\$18,392	\$0	\$9,364
5	AT&T	Grenada	Siskiyou	11/21/2008	\$57,596	\$0	\$20,150
6	AT&T	Hopland	Mendocino	1/21/2008	\$61,952	\$0	\$22,306
7	AT&T	Mt. Wilson Warner	Los Angeles	11/21/2008	\$2,420	\$0	\$859
8	AT&T	Springs	San Diego	11/20/2009	\$93,896	\$0	\$43,985
9	AT&T	Lodi	San Joaquin	3/12/2009	\$137,416	\$0	\$45,541
10	AT&T	Clovis	Fresno	4/16/2009	\$36,393	\$0	\$36,393
11	AT&T	Easton	Fresno	3/12/2009	\$49,869	\$0	\$36,354
Total AT&T					\$550,378	\$0	\$296,543
12	Audeamus	Tranquility and West Fresno	Fresno County	5/6/2010	\$1,154,496	\$0	\$1,154,494
Total Audeamus					\$1,154,496	\$0	\$1,154,494
13	Bright Fiber Network, Inc.	Bright Fiber	Nevada	12/3/2015	\$16,156,323	\$0	\$0
Total Bright Fiber Network, Inc.					\$16,156,323	\$0	\$0
14	Calaveras Telephone Co	Poker Flat Project	Calaveras	7/29/2010/	\$640,698	\$179,423	\$527,676
Total Calaveras Telephone Company					\$640,698	\$179,423	\$527,676
15	Cal.Net	El Dorado North	El Dorado	1/14/2016	\$1,139,755	\$0	\$0
16	Cal.net	El Dorado South	El Dorado	6/23/2016	\$1,256,524	\$0	\$0
17	Cal.net	Amador Calaveras and Alpine	Amador Calaveras Alpine	11/15/2016	\$2,862,388	\$0	\$0
18	Cal.net, Inc.	Tuolumne Mariposa	Tuolumne & Mariposa	12/15/2016	\$3,608,224	\$0	\$0
Total Cal.net					\$8,866,891	\$0	\$0

¹³ Project name, location and grant/loan awarded sourced from authorizing CPUC resolutions. See <http://www.cpuc.ca.gov/General.aspx?id=1057>. Payment information captured when payment made and validated with CALSTARS' fiscal reports. *The total payment to the CVIN/CENIC project was cut by \$0.36 million due to a change in the build-out.

19	CVIN LLC	‡ Central Valley Independent Network, LLC middle mile fiber-optics network infrastructure*	Multiple	12/3/2009	\$6,659,967	\$0	\$6,312,983
Total CVIN LLC					\$6,659,967	\$0	\$6,312,983
20	Foresthill Telephone Company	Big Dipper	Placer	10/03/2013/	\$117,000	\$29,250	\$117,000
Total Foresthill Telephone Company					\$117,000	\$29,250	\$117,000

*The total payment to the CVIN/CENIC project was cut by \$0.36 million due to a change in the build-out

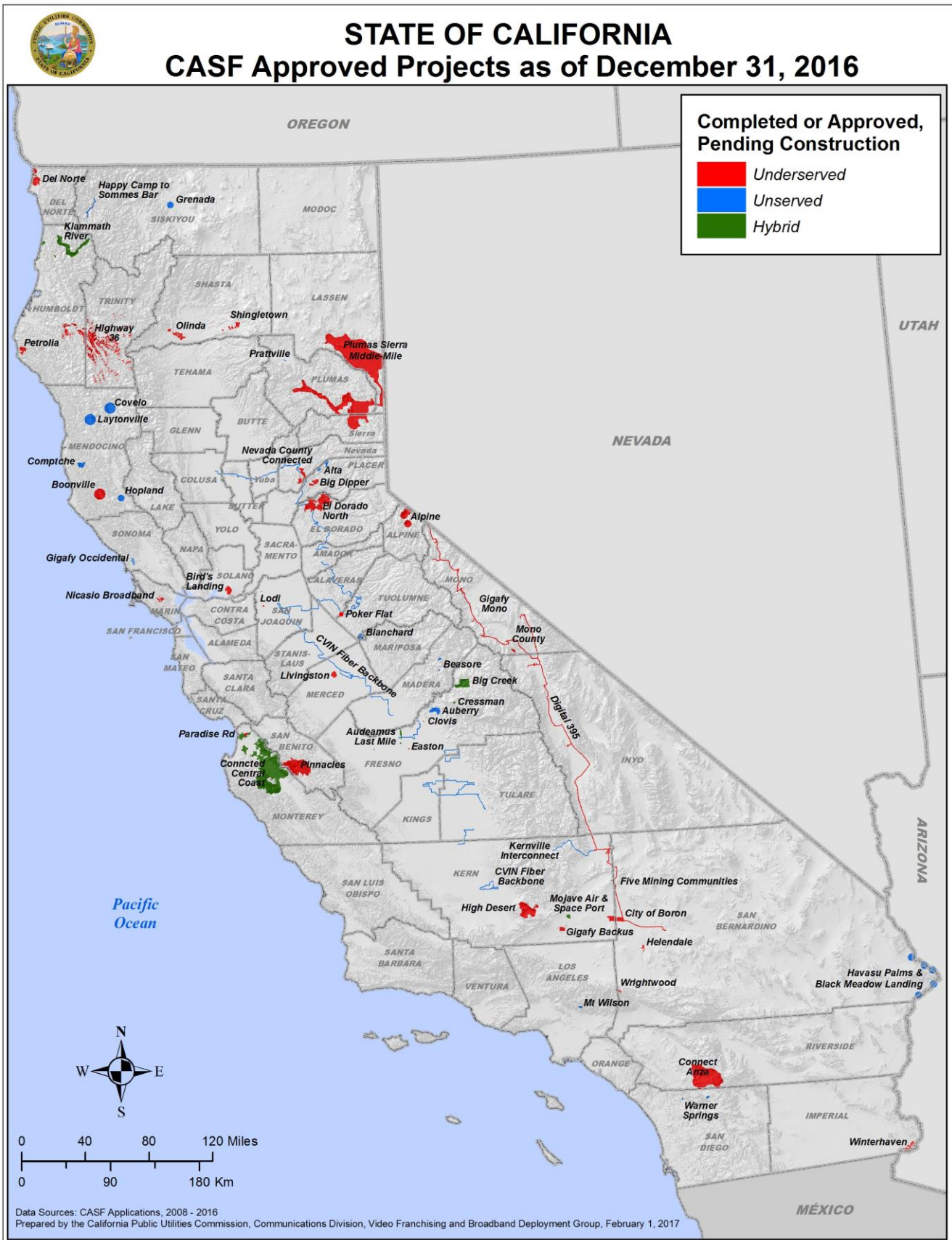
Item #	Recipient	Project Name	County	APPROVAL - COMPLETION DATES	GRANT AWARD	2016 Payments	Total Payment a/o 12/31/2016
21	Citizens Telecom. of California, Inc.	Birds Landing	Solano	3/12/2009	\$100,444	\$0	\$99,130
22	Citizens Telecom. of California, Inc.	Livingston	Merced	3/12/2009	\$62,000	\$0	\$39,555
23	Citizens Telecom. of California, Inc.	Prattville	Lake Almanor, Plumas	11/21/2008	\$41,192	\$9,923	\$9,923
24	Citizens Telecom. of California, Inc.	Shingletown	Shasta	9/29/2016	\$545,690	\$0	\$0
25	Citizens Telecom. of California, Inc.	‡ Petrolia	Humboldt	7/23/2015	\$202,557	\$202,557	\$202,557
26	Frontier Comm. of the West Coast	Del Norte	Del Norte	9/22/2011	\$68,168	\$0	\$0
27	Frontier Comm. of the Southwest	Alpine	Alpine	9/22/2011	\$95,919	\$0	\$0
28	Frontier Comm. of the Southwest	Havasu Palms and Black Meadow	San Bernardino	6/10/2011	\$168,171	\$0	\$0
Total Frontier Communications Affiliates					\$1,284,141	\$212,480	\$351,166
29	Happy Valley Telephone Co.	Olinda	Shasta	10/03/2013-	\$1,833,689	\$0	\$0
Total Happy Valley					\$1,833,689	\$0	\$0
30	Inyo Networks	Nicasio	Western Marin Co	7/14/2016	\$1,491,078	\$0	\$0

31	California Broadband Cooperative (Inyo Networks)	‡ Digital 395	Mono, Inyo and Eastern Kern Counties, North Eastern San Bernardino	12/3/2009	\$29,223,432	\$69,333	\$26,824,274
Total Inyo Networks					\$30,714,510	\$69,333	\$26,824,274
32	IP Networks	‡ Hwy 36 Humboldt-Trinity Counties	Humboldt & Trinity	11/20/2009	\$5,753,240	\$0	\$5,753,241
Total IP Networks					\$5,753,240	\$0	\$5,753,241
33	Karuk Tribe	Klamath River Rural Broadband Initiative	Humboldt	\$41,564	\$6,602,422	\$0	\$0
Total Karuk Tribe					\$6,602,422	\$0	\$0
34	MCC Telephony	Kernville Teleconnect	Kern	\$40,430	\$285,992	\$0	\$0
Total MCC Telephony					\$285,992	\$0	\$0
35	Pinnacles Telephone Company	Pinnacles Monument	San Benito	10/31/2013	\$195,299	\$0	\$180,277
Total Pinnacles Telephone					\$195,299	\$0	\$180,277
36	Plumas Sierra Telecom	‡ Plumas-Sierra Telecom middle-mile	Plumas, Lassen and Sierra	2/25/2010	\$1,721,280	\$0	\$1,721,280
Total Plumas Sierra Telecommunications					\$1,721,280	\$0	\$1,721,280
37	Ponderosa Cablevision	Auberry project	Fresno	11/20/2009	\$1,154,780	\$0	\$1,154,780
38	Ponderosa Telephone	Big Creek	Fresno	10/31/2013	\$898,574	\$0	\$0
39	Ponderosa Telephone	Cressman	Fresno	4/10/2014	\$1,027,380	\$0	\$0
40	Ponderosa Telephone	Beasore - Central Camp	Medara	12/19/2013	\$1,755,042	\$0	\$0
Total Ponderosa Telephone Affiliates					\$4,835,776	\$0	\$1,154,780
Item #	Recipient	Project Name	County	APPROVAL	GRANT AWARD	2016 Payments	Total Payment a/o 12/31/2016
41	Race Telecom	Mojave Air and Space Port Project	Kern	6/24/2010	\$506,199		\$494,419
42	Race Telecom	Boron	Kern	12/19/2013	\$3,426,357	\$187,439	\$2,880,819
43	Race Telecom	Kern County High Desert	Kern	10/17/2013	\$12,583,343	\$0	\$9,785,805
44	Race Telecom	Mono County Underserved	Mono	6/26/2014	\$4,650,593	\$856,330	\$2,995,124
45	Race Telecom	Gigafly Backus Five Mining	Kern	11/20/2009	\$2,239,991	\$1,707,761	\$1,707,761
46	Race Telecom	Com	Kern	1/14/2016	\$2,037,721	\$0	\$0
47	Race Telecom	Gigafly Mono	Kern	1/28/2016	\$6,580,007	\$0	\$0
48	Race Telecom	Gigafly Occidental	Occidental	8/18/2016	\$7,687,016	\$0	\$0
49	Race Telecom	Gigafly North	Kern	12/1/2016	\$3,124,490	\$0	\$0

	Telecom		395				
Total Race Telecom					\$42,835,717	\$2,751,531	\$17,863,928
50	Sunesys, LLC	‡ Connected Central Coast	Santa Cruz and Monterrey	4/10/2014	\$10,640,000	\$1,539,106	\$1,539,106
Total Sunesys					\$10,640,000	\$1,539,106	\$1,539,106
51	Surfnet Comm.	Paradise Road	Monterrey	4/10/2014	\$177,954	\$0	\$0
Total Surfnet Comm.					\$177,954	\$0	\$0
52	Siskiyou Tele	Happy Camp		12/15/2016	\$3,645,085	\$0	\$0
Total Siskiyou					\$3,645,085	\$0	\$0
53	Ultimate Internet Access	Helendale	San Bernardino	5/27/2015	\$1,385,825	\$1,085,285	\$1,085,285
54	Ultimate Internet Access	Wrightwood	San Bernardino, Los Angeles	5/27/2015	\$1,937,380	\$625,576	\$625,576
Total Ultimate Internet Access					\$3,323,205	\$1,710,862	\$1,710,862
55 & 56	Willits Online	Covelo & Laytonville	Mendocino	3/12/2009	\$108,000	\$0	\$102,025
57	Willits Online	Boonville	Mendocino	10/31/2013	\$122,931	\$30,750	\$163,629
Total Willits Online					\$230,931	\$30,750	\$234,903
58	Winterhaven Telephone Co (TDS Telecom)	Winterhaven	Imperial	10/03/2013/	\$2,063,967	\$386,999	\$386,999
Total Winterhaven					\$2,063,967	\$386,999	\$386,999
Grand Total					\$152,951,412	\$7,984,870	\$67,204,648

Map 1, depicts the geographic location of each CASF infrastructure grant awarded since program inception in California through 2016, excluding the 29 rescinded grants listed in Attachment A-4. Of note, the underserved, unserved and hybrid (combination of unserved and underserved) grants are distributed throughout California, though there is not a project in every county or region. Attachment A-1 identifies the number of unserved and underserved households potentially served by each project.

Map 1. Approved CASF Infrastructure Projects in California



Consortia Grants

The Consortia Grant Account has two grants cycles, i.e. the 2011 Grants Cycle and the 2016 Grants Cycle. The 2011 Grants Cycle commenced in January 2012 funding consortia activities ranging from two to three years.¹⁴ Of the \$8,873,476 approved grants, a total disbursement of \$8,523,106 million¹⁵ has been paid. In addition, Communications Division (CD) also hosted 3 Regional Consortia Learning Community Summits and reimbursed Consortia a total of \$62,460 for participating in these summits.

AB 1262 (Stats.2015, Ch. 242) redirected \$5 million from the CASF Revolving Loan Account to the Consortia Grant Account and established the funding for the 2016 Grants Cycle. The 2016 Grants Cycle funds consortia activities ranging from one year to five years. Of the \$3,226,376 approved grants, a total disbursement of \$25,598 has been paid. There are five applications remaining pending review requesting \$1,442,808.¹⁶

Table 5, identifies the grant recipients, the amount of grants approved, and the Commission resolutions approving the grants. Map 2, illustrates the distribution of the 17 regional consortia representation by county (geographic region) within California. The map shows that four of 58 counties are not represented by a regional consortium. They are San Francisco, San Mateo, and Santa Clara and Orange counties.

¹⁴ Numerous consortia have requested and received approval from CD for a one or two-year extension of their grants.

¹⁵ An audit of California One Million NIU by the State Controller's Office (SCO) was conducted in 2015 to determine whether reimbursement claims were in compliance with conditions of the grant. Based on the audit report (ftp://ftp.cpuc.ca.gov/Telco/CASF/Consortia/20151109_NIU_Final_Audit_Report.pdf), CD issued a letter to California One Million NIU on April 18, 2016 demanding a refund of \$82,381. CD is exploring next steps.

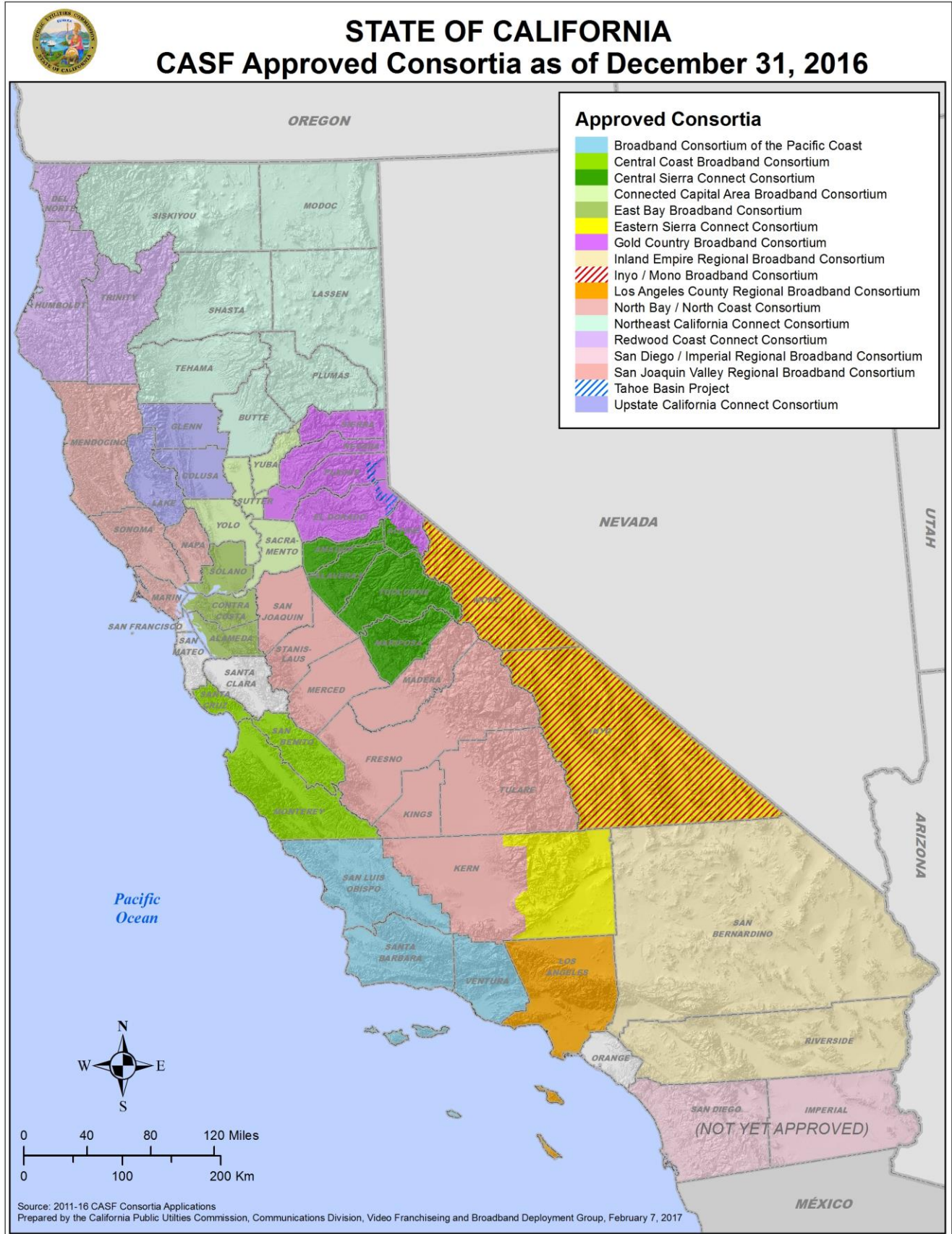
¹⁶ Including a late filed consortia application submitted after the deadline.

Table 5. Consortia Grant Awards and Payments (As of 12/31/2016)¹⁷

	Name of Consortium	Approved Amount	Resolution/ Approval Date	Approved Amount	Resolution/ Approval Date
1	California's One Million New Internet User Coalition	\$450,000	T-17355 2/16/2012		
2	Broadband Consortium of the Pacific Coast	\$300,000	T-17445 6/12/2014		1/19/2017
3	Central Coast Broadband Consortium	\$450,000	T-17349 12/2/2011	\$264,500	T-17529 8/18/2016
4	Central Sierra Connect Consortium	\$450,000	T-17355 2/16/2012	\$249,000	T-17544 12/1/2016
5	Connected Capital Area Broadband Consortium	\$448,301	T-17355 2/16/2012	\$298,750	T-17538 11/10/2016
6	East Bay Broadband Consortium	\$450,000	T-17349 12/2/2011	\$272,160	T-17529 8/18/2016
7	Eastern Sierra Connect Consortium	\$450,000	T-17355 2/16/2012		1/19/2017
8	Gold Country Broadband Consortium	\$450,000	T-17355 2/16/2012	\$298,750	T-17538 11/10/2016
9	Inland Empire Broadband Consortium	\$450,000	T-17355 2/16/2012	\$300,000	T-17538 11/10/2016
10	Inyo-Mono Broadband Consortium			\$105,216	T-17537 10/27/2016
11	Los Angeles County Regional Broadband Consortium	\$2,310,000	T-17349 12/2/2011	\$600,000	T-17544 12/1/2016
12	North Bay/North Coast Broadband Consortium	\$250,000	T-17445 6/12/2014	\$250,000	T-17544 12/1/2016
13	Northeast California Connects Consortium	\$449,991	T-17349 12/2/2011		1/19/2017
14	Redwood Coast Connect Consortium	\$450,000	T-17349 12/2/2011	\$208,000	T-17537 10/27/2016
15	San Diego Imperial Regional Broadband Consortium	\$450,000	T-17355 2/16/2012		
16	San Joaquin Valley Regional Broadband Consortium	\$450,000	T-17349 12/2/2011	\$180,000	T-17537 10/27/2016
17	Tahoe Basin Projects	\$167,000	T-17440 5/15/2014	\$200,000	T-17529 8/18/2016
18	Upstate California Connect Consortium	\$448,184	T-17349 12/2/2011		1/19/2017
	Total	\$8,873,476		\$3,226,376	

¹⁷ Payment information recorded when payments made and verified with CALSTARS' fiscal reports.

Map 2. Approved CASF Consortia



Public Housing Account Distributions

Public Housing Account distributions began in January, 2015. As set out in Assembly Bill 1299, funds not distributed by the end of December, 2016 were to be transferred back to other CASF accounts.¹⁸ In 2016, the Legislature passed and the Governor signed SB 745 (effective January 1, 2017).¹⁹ Among the specific changes made by SB 745 is the extension of the date by which remaining funds from the Public Housing Account shall be transferred back to other CASF Accounts from December 31, 2016 to December 31, 2020. Additionally, SB 745 mandates that only “unserved” housing developments will be eligible for Public Housing Account infrastructure funding. As defined in SB 745, a housing development is “unserved” when at least one housing unit within that housing development is not offered broadband Internet service.²⁰ Since the deployments funded through this program are dependent on the purchase of a digital circuit from an existing ISP which is already servicing the area²¹ and since staff has found that nearly all public housing application locations received by CD to date “wired” as defined in D.14-12-039²² staff concludes that there will be few, if any, eligible locations.

Table 6a, below, summarizes projects submitted, funding requested, projects awarded and payments made for both infrastructure and adoption projects as of December 31, 2016. See Attachment (x) for listings of approved projects with award amounts and payments made.

¹⁸ AB 1299 (Stats. 2013, Ch. 507)

¹⁹ SB 745 (Stats. 2016, Ch. 710)

²⁰ Pub. Util. Code §§ 281, subs. (h)(3)(A) & (h)(3)(B), as modified by SB 745.

²¹ D.14-12-039, Appendix B, p. B14, which requires the applicant to identify its bandwidth source, either at the MPOE or its wireless equivalent.

²² Resolution T-17515 modified D.14-12-039, Appendix B, delegating to CD staff the authority to approve applications through expedited review for properties that are wired. According to D.14-12-039, ‘a unit is “wired” for broadband Internet if it is possible to subscribe to a commercially available broadband Internet service, such as via Digital Subscriber Line (DSL), cable modem or another protocol, utilizing the existing “wired” facilities. A unit having such wiring is considered as having broadband service “available.” An “unwired property” has at least one unit that is not “wired.”’ Staff received only one project proposal that was unwired, as defined above, and this was due to the absence of a local ISP, not an issue with inside wiring. The project brought in a nearby fixed wireless provider to acquire outside broadband capacity.

Table 6a. CASF Public Housing Grants Summary (As of 12/31/2016)²³

Calendar Year	Grant Type	Number Projects Submitted	Number Unique Applicants	Total Funding Requested	Number Projects Awarded	Total Awarded*	Payments**
2015	Infrastructure	264	47	\$10,709,708.76	86	\$2,133,282.20	\$290,080.94
	Adoption	115	20	\$3,590,804.20	14	\$364,584.00	\$0.00
2016	Infrastructure	229	43	\$8,141,884.40	189	\$5,511,877.97	\$1,542,753.00
	Adoption	60	14	\$2,055,340.30	43	\$1,348,922.00	\$106,088.00
Totals	Infrastructure	493	75	\$18,851,593.16	275	\$7,645,160.17	\$1,832,833.94
	Adoption	175	26	\$5,646,144.50	57	\$1,713,506.00	\$106,088.00
	Total	668	84	\$24,497,737.66	332	\$9,358,666.17	\$1,938,921.94

* See Attachment x for listings of approved projects with award amounts and payments made

** Payment information captured when a payment request is issued by CD to the Fiscal Office. The total payment amount differs slightly from Total Disbursement (Table x) due to rounding errors.

Public Housing Infrastructure Projects

Of the 493 projects submitted through calendar year 2016, 275 projects were awarded, with an aggregate award amount of \$7,645,160 (with 189 projects awarded in 2016, with an aggregate award amount of \$5,511,878). 60 infrastructure projects were built in 2016.²⁴ A total aggregate of \$1,832,834 in payments were made to all projects either completed, or partially complete, with \$1,542,753 paid out in 2016.

The Commission delegated to CD staff the authority to approve applications through expedited review that meet all of the expedited review criteria.²⁵ Where an application does not meet the above expedited review criteria, it may still be considered for a grant but it must go through the traditional Commission Resolution approval process. Of the total 275 projects approved, 52 were approved through Commission Resolutions, and the remaining 223 were approved via the expedited review process.

²³ Local assistance expenditure/encumbrance information captured when expenditure/encumbrance made and validated with CALSTARS fiscal reports.

²⁴ Projects may be built by end of calendar year 2016, but completion report and full payment made in 2017.

²⁵ D.14-12-039, CASF Broadband Public Housing Account Application Requirements and Guidelines, Appendix B, p. B13.

Of the 493 infrastructure projects submitted, 80 were challenged by ISPs on grounds that an ISP already provides services at the Publicly Supported Community (PSC).²⁶ Twelve challenges were denied in Resolution T-17515 since the reasons stated in the challenges provided were not supported in D.14-12-039 or in P.U. Code Section 281(h).²⁷ Resolution T-17515 also provided staff with the authority to approve projects in buildings that were already “wired” as defined in D.14-12-039.²⁸ Subsequently, based on the authority provided in Resolution T-17515, letters was issued by staff on July 1, 2016, to Charter Communications, Cox Communications and Comcast Corporation denying the remaining challenges.²⁹ Charter Communications filed a request for rehearing of Resolution T-17515 which is still pending.³⁰ Additionally, Charter Communications filed a request for rehearing of Resolution T-17514. Resolution T-17514 approved grant funding for 35 Public Housing Account infrastructure projects, none of which were challenged by Charter Communications.³¹ Charter Communications based its request for a rehearing on the claim that they provide service at six locations of projects funded through Resolution T-17514.³²

²⁶ Challenges were presented by Charter Communications (53), Cox Communications (19) and Comcast Corporation (8)

²⁷ Resolution T-17515. (<http://docs.cpuc.ca.gov/SearchRes.aspx?docformat=ALL&DocID=163155772>).

²⁸ Resolution T-17515 modified D.14-12-039, Appendix B, delegating to CD staff the authority to approve applications through expedited review for properties that are wired. According to D.14-12-039, “a unit is “wired” for broadband Internet if it is possible to subscribe to a commercially available broadband Internet service, such as via Digital Subscriber Line (DSL), cable modem or another protocol, utilizing the existing “wired” facilities. A unit having such wiring is considered as having broadband service “available.” An “unwired property” has at least one unit that is not “wired.””

²⁹ Remaining challenges to date at the time the letters were issued. Charter Communications submitted additional challenges to projects in the October, 2016, cycle.

³⁰ Charter Communications also filed for a Request for Reconsideration of the July 1st letter.

³¹ Resolution T-17514 denied seven challenges by Cox Communications based on the authority provided in Resolution T-17514. (<http://docs.cpuc.ca.gov/SearchRes.aspx?docformat=ALL&DocID=170897855>).

³² Charter Communications did not provide information to back up their claim of service, nor did they serve comments related to Resolution T-17514.

Public Housing Adoption Projects

Of the 175 projects submitted through calendar year 2016, 57 projects were awarded, with an aggregate award amount of \$1,713,506 (with 43 projects awarded in 2016, with an aggregate award amount of \$1,348,922). A total aggregate of \$106,088 in payments were made to all projects partially completed. All payments were made in 2016.

Map 3, below, depicts the distribution of the 275 approved infrastructure and 57 approved adoption projects by geographic region within California. No grants have been awarded north of Yuba and east of the Central Valley. Of the approved infrastructure projects, 22 are in rural areas (as designated by the applicant); one of the approved adoption projects is in a rural area.³³

³³ Of the 493 infrastructure projects submitted, 48 were in rural areas and of the 175 adoption projects three were in rural areas, as designated by the applicant.

Map 3. CASF Grants to Public Housing Broadband Projects



D. Expected Benefits and Actual Adoption from 2016 CASF Expenditures

Public Utilities Code sections 914.7(a)(4) and (5) require the CPUC to report on the expected benefits to be derived and actual broadband adoption levels from the funds expended from the CASF in the prior year.

Infrastructure Grant and Loan Account Benefits

One expected benefit from the CASF program is the potential number of households that now have access to broadband services as a result of CASF program grants. Table 8(a), below, summarizes the expected infrastructure benefits from the 58 projects approved through the year 2016. Because last-mile connections are dependent on the availability of middle-mile facilities, the potential number of “middle-mile households” is the estimated number of households that would have access should last-mile connections be built following the middle-mile infrastructure grant and deployment.

**Table 8(a). CASF Infrastructure Grant & Loan Account Award Connections
and Cost Per Household**³⁴

Approved Infrastructure Projects (2008-2016)	Total Infrastructure Awards	Unserved Households	Underserved Households	Total* Households	Cost per Household
CASF Last Mile Projects (51.5 Projects)**	\$95,105,716	16,012	41,834	57,846	\$1,644
CASF Middle Mile Projects (6.5 Projects)**	\$57,845,561	59	52,850	52,909	\$1,093
All Infrastructure Projects (58 Projects)	\$152,951,277	16,071	94,684	110,755	\$1,381

Another measure of program benefits is the subscribership to broadband as a result of infrastructure projects that are already delivering service. Figure 1, below, illustrates total subscribership and average take rate of households, businesses, and anchor institutions for completed or partially completed CASF last-mile infrastructure deployment grant projects.³⁵ The average household take rate of 34 percent is low relative to applicants’ estimated take rates. Table 8(b) indicates that the average cost per subscribed household is \$3,583.

Figure 1. Broadband Subscribers For CASF Last-Mile Infrastructure Partially and Completed Projects (as of December 31, 2016)

Total Approved for CASF Last Mile Projects	16,012	41,834	57,846	\$95,155,864
Total Approved for CASF Middle Mile Projects	59	52,850	52,909	\$57,795,547
Total of All Approved CASF Projects As Of 12/31/16	16,071	94,684	110,755	\$152,951,411

³⁴ Household data based on CASF resolutions. See Attachment A-1 “Approved CASF Infrastructure Projects” or <http://www.cpuc.ca.gov/General.aspx?id=1057>.

* Last Mile Projects Households include all funded connections to be built by grant. Middle Mile Projects include number of households in census block bisected by middle-mile facilities that may benefit should last mile facilities be built interconnecting with middle-mile grant facility.

** Last-mile .5 is a hybrid, combination of last-mile and middle-mile projects.

³⁵ The subscriber data reflects responses from 31 grantees for their last-mile projects offering services as of December 31, 2016. Table 8(b) reflects three partially completed and 24 completed projects.

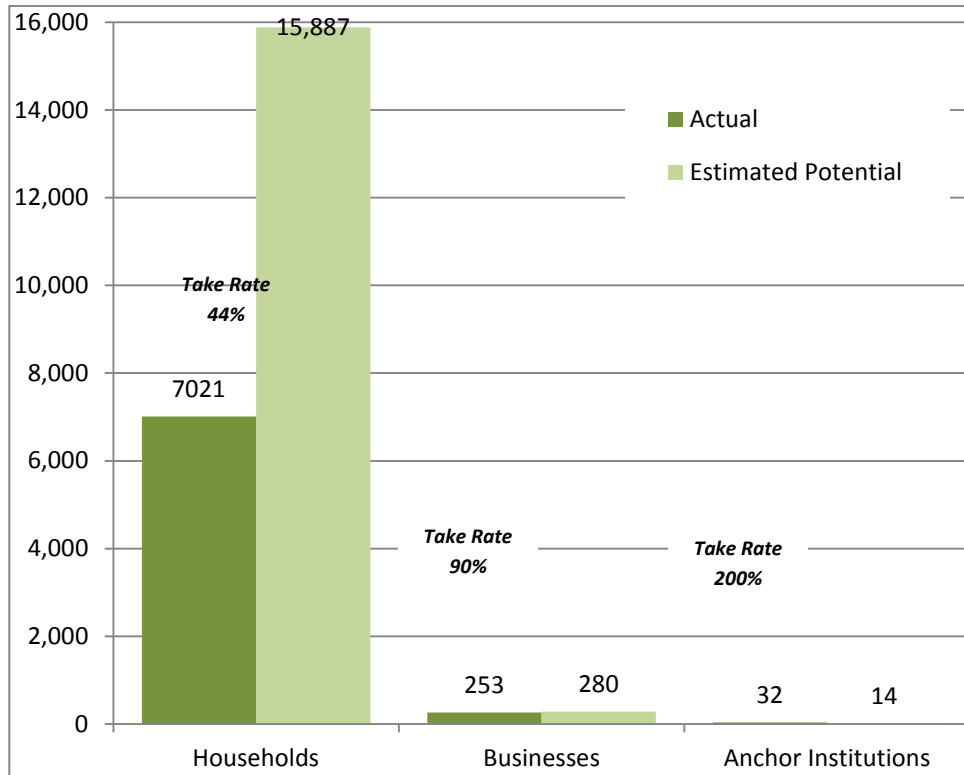


Table 8(b). CASF Infrastructure Grant Subscribership and Cost per Household Subscriber for Completed and Partially Completed Projects ^{xxi}

	Actual Subscribership ³⁶ (Current customers)			Last-mile Connections Built ³⁷			Cost Per Subscribed Last-Mile Household ³⁸
	Households	Businesses	Anchor Institutions	Households	Businesses	Anchor Institutions	
2016 Last-Mile Project Subscribership	7,020	253	32	15,887	280	14	\$3,583

³⁶ One grantee does not categorize customers by “business” or “anchor institution,” therefore all subscribers are reported as “households” for their two projects.

³⁷ *Id.*

³⁸ Derived from the total of \$25,116,858 cost for the 15 projects that received payments in Table 4 divided by the number of Actual Subscribership for Households, ($\$25,116,858 \div 7010 = \$3,583$). The cost is the sum of the amount paid out for completed and paid projects; completed but yet to be paid projects; and partially completed projects that have received partial payment, to serve households. This does not include the cost of middle-mile to support last-mile projects.

Table 8(c), estimated subscribership and actual number of subscribers for each project and the cumulative total as reported to the Commission. This data is used to provide the information in figure 1 and Table 8(b) and (d).

Table 8(c), Estimated Subscribership and Actual Number of Subscribers for Each Project

2016 Table 1 CASF Completed Projects - Fully Constructed and Currently Operating										
	Grantee	Project Name	Completion Date	Project Type	Actual Subscriber			Estimated Potential Subscribership for Last Mile		
					House holds	Busin esses	Anchor Institu- tions	Hous eholds	Busine sses	Anchor Institution s
1	Anza Elect	Anza	12/1/17	Last Mile	2,000	20	3			
2	ATT	Alta	5/27/11	Last Mile	213			236		
3	ATT	Blanchard	5/27/11	Last Mile	169			123		
4	ATT	Clovis	6/1/12	Last Mile	76			125		
5	ATT	Comptche	5/27/11	Last Mile	113			97		
6	ATT	Easton	6/1/12	Last Mile	9			9		
7	ATT	Grenada	5/27/11	Last Mile	133			275		
8	ATT	Hopland	5/27/11	Last Mile	240			328		
9	ATT	Lodi	12/1/10	Last Mile	127			35		
10	ATT	Mt. Wilson	5/27/11	Last Mile	12			15		
11	ATT	Warner Springs	5/27/11	Last Mile	125			66		
12	Audeamus	Tranquility & W Fresno	10/1/12	Last Mile	190	24	7	585	34	12
13	CVIN LLC	CVIN	5/31/14	Middle Mile		164	61		56,000	6,296
14	Calaveras	Poker Flat	6/30/15	Last Mile	299			409		
15	Citizens	Bird's Landing	3/10/10	Last Mile	18	7		69		
16	Citizens	Prattville	6/29/16	Last Mile	41	2		171		
17	Citizens	Livingston	11/15/09	Last Mile	71	3		234		
18	Citizens	Del Norte County	1/21/16	Last Mile	73	1	1	313		
19	Citizens	San Bernardino Co.	Complete	Last Mile	256	16	1	3,732		
20	Citizens	Alpine County	1/21/16	Last Mile	372	25	13	381		
21	Citizens*	Petrolia	2/3/16	Middle Mile	98	8	4			
22	Foresthill	Big Dipper Project	7/1/15	Last Mile	18	2		60	6	
23	Inyo Networks CA Broadband	Digital 395	8/31/14	Middle Mile			160			251

	Cooperative									
	Pinnacles	Pinnacles	12/1/14	Hybrid	23		1	36		2
24	IP Networks	Hwy 36 Humboldt-Trinity Counties	1/2/12	Middle Mile						
25	Ponderosa	Auberry	5/19/14	Last Mile	359			1,043		
26	Ponderosa	Big Creek	10/21/16	Last Mile	32	5		578	9	2
27	Plumas-Sierra	Plumas-Sierra	3/1/14	Middle Mile	567	233	65			
28	Race	Mojave Air & Space	11/1/12	Last Mile		128			231	
29	Race	Kern County Boron	4/1/15	Last Mile	547	15		892		
30	Race	Gigafy Backus	12/27/16	Last Mile	109			253		
31	Race	Mono County		Last Mile	115	1	2	727		
32	Race	Kern Co. High Desert	4/1/15	Last Mile	681	4		4,371		
33 & 34	Willits Online	Boonville	12/1/15	Last Mile	5			120		
34	Willits Online	Covelo/Laytonville	12/1/09	Last Mile	520		1	640		
	Totals		Total		7,611	658	319	15,923	56,246	6,563
				Last Mile	7,021	253	32	15,887	280	14
				Hybrid	23	0	1	36		2
	(* Petrolia not include in middle mile for HHs)			Middle-Mile	567*	405	29		56,000	6,547

Table 8(d), below, illustrates total subscribership for completed or partially completed CASF middle-mile and hybrid (combination of middle and last mile) projects.³⁹ The actual middle-mile subscribership may be much greater than the reported values because the numbers in Table 8(c) do not include households and businesses in the areas served by last-mile providers who obtain services from these middle-mile projects.

³⁹ The subscriber data reflects responses from three grantees for their middle-mile and hybrid projects offering services as of December 31, 2015.

Table 8(d). Broadband Subscribers For CASF Middle-Mile and Hybrid Infrastructure Projects as of December 31, 2016

	Direct Subscribership ⁴⁰ (Current Customers)		
	Households	Businesses	Anchor Institutions
2016 Middle-Mile and Hybrid Project Subscribership	590	407	287

The Digital 395 project directly serves community anchor institutions, such as schools, libraries and hospitals. However, it does not directly serve households and businesses; rather it interconnects with ISPs that provide such end-user services. It attempted to estimate potential indirect subscribers by reporting the households and businesses in census blocks associated with last-mile providers it serves. However, CVIN serves both anchor institutions and businesses, but its estimated potential subscribership data is difficult to interpret for assessing potential middle-mile project impact on availability. Interconnected ISPs that offer served level speeds or higher to their customers should be included as an indirect middle-mile project benefit. **Consortia**

Account Benefits

The benefits derived from the 17 Consortia receiving funding from the Consortia Grant Account include promoting ubiquitous broadband deployment, access, and adoption in 54 out of 58 counties in California. Each regional Consortium delivers unique activities to the counties they represent that focus on the needs of their communities. These activities are intended to:

- Increase sustainability of broadband infrastructure and projects;
- Promote broadband deployment (availability) for residences in California;
- Promote broadband access and adoption (knowledge of service options and ability to utilize services as well as subscription of services) for residences in California;
- Increase the rate of broadband adoption by facilitating consumer education, outreach, and training;
- Support those community-based stakeholders, especially anchor institutions, who are working to increase deployment, access and adoption.

⁴⁰ Subscribership as reported by the three middle-mile/hybrid project grantees does not include indirect subscriber of last-mile ISPs who obtain interconnection and transport services from these projects.

Though generally, consortia activities may include the items above, the 17 consortia have numerous activities and tasks unique to each. Individual consortia reported benefits are detailed in Attachment B.

Public Housing Account Benefits

The 189 infrastructure projects approved in 2016 are expected to provide free broadband connectivity to 11,752 public housing units, at an average cost of \$534 per resident unit. The 43 adoption projects approved in 2016 are expected to provide digital literacy training to public housing locations with 9,653 residents in total, at an average cost of \$242 per resident (the program requirement is that either 75% of the residents are trained, or that the digital literacy classes are provided for a duration of one year after the ramp-up period).

Given that the WiFi (and similar) systems subsidized by CASF grant funding do not typically have a network login; network usage can instead be tracked by the number of individual devices that access the system monthly. Data provided by infrastructure project grant recipients show the monthly average number of unique devices accessing the network at 300% of the total number of units. The monthly average data aggregate for the amount of data transferred over the network per unique device is 6.3GB (down and up). This information indicates that the deployed systems are well used.

Adoption grant recipients have up to a nine month period in order to ramp-up their adoption project, and up to 12 months thereafter to complete their project. As of end of calendar year 2016, no funded project had been completed. Nine projects are scheduled to complete by June, 2017. Of these nine projects six are on track to train 75% of residents, with the remaining three training a smaller percentage. No conclusions can be drawn as to the effectiveness of the program until projects have completed. However, in their project submissions applications have

indicated that less than 75% of residents will be trained. Applicants may expect a lower turn-out rate based on their prior experience.

E. Leveraging Program Funds with Federal Funds

Public Utilities Code Section 914.7(a)(6) requires a report on the amount of funds expended from the CASF used to match federal funds. With an investment of about \$40 million in CASF funds, California has been able to leverage almost \$155 million in federal matching funds from the American Recovery and Reinvestment Act of 2009 (ARRA) for broadband deployment in the State. The six projects that successfully secured ARRA funding have received a total of \$36.79 million from the CASF. Table 9, below, shows the amount of funds expended from the CASF for projects obtaining ARRA funds.

Table 9. CASF Broadband Infrastructure Projects That Leveraged ARRA Funding

Project Name	Recovery Act Funding (in millions)	CASF Awards (in millions)	CASF Expended (in millions)
Ponderosa Cablevision Auberry Project	\$3.85	\$1.16	\$0.61
Calaveras Poker Flat Project	\$4.09	\$0.64	\$0.35
Digital 395 Middle Mile Project	\$81.15	\$29.22	\$26.66
Plumas Sierra Telecommunications (PST) Middle Mile Project	\$13.77	\$1.72	\$1.72
Audeamus Last Mile Project	\$5.48	\$1.15	\$1.15
Central Valley Independent Network, LLC (CVIN) & the Corporation for Educational Network Initiatives in California (CENIC) Middle Mile Project	\$46.62	\$6.66	\$6.30 ⁴¹
Total	\$154.96	\$40.55	\$36.79

Connect American Fund Phase II

In December 2014, the FCC issued its final order instituting universal service high cost support for price cap carriers. The FCC published a list of census tracts with households eligible for high cost support based on the determination that those households were not served already by

⁴¹ The total payment to the CVIN/CENIC project was cut by \$0.36 million due to a change in the build-out.

an unsubsidized competitor offering at least 3 Mbps downstream and 768 Kbps upstream. In California, four local exchange carriers (AT&T, Verizon, Frontier, and Consolidated) accepted Connect America Fund Phase II (CAF II) funding to build-out broadband infrastructure capable of at least 10 Mbps downstream and 1 Mbps upstream to CAF II eligible households. The fund will provide over \$600 million over six years to cover both capital and operational expenses. Under the program, all CAF II eligible households are supposed to be upgraded by 2020.

Table 10, below, shows the total number of CASF unserved (201,989) and underserved (183,386) households falling within CAF II eligible census tracts for the four collective carriers. The deployment speeds of CAF II are not the same as for CASF, and even after all CAF II eligible households are upgraded to 10/1 Mbps, not all of the households within each CAF II eligible census tract will be upgraded, because not all of the households are considered by the FCC to be “high cost” CAF II eligible. Additionally, because the CAF II upstream standard of 1 Mbps is less than the CASF 1.5 Mbps upstream standard, there is an opportunity for the four carriers to leverage CAF II funding in combination with CASF grants to provide faster service, well above 10/1 Mbps in CAF II areas.

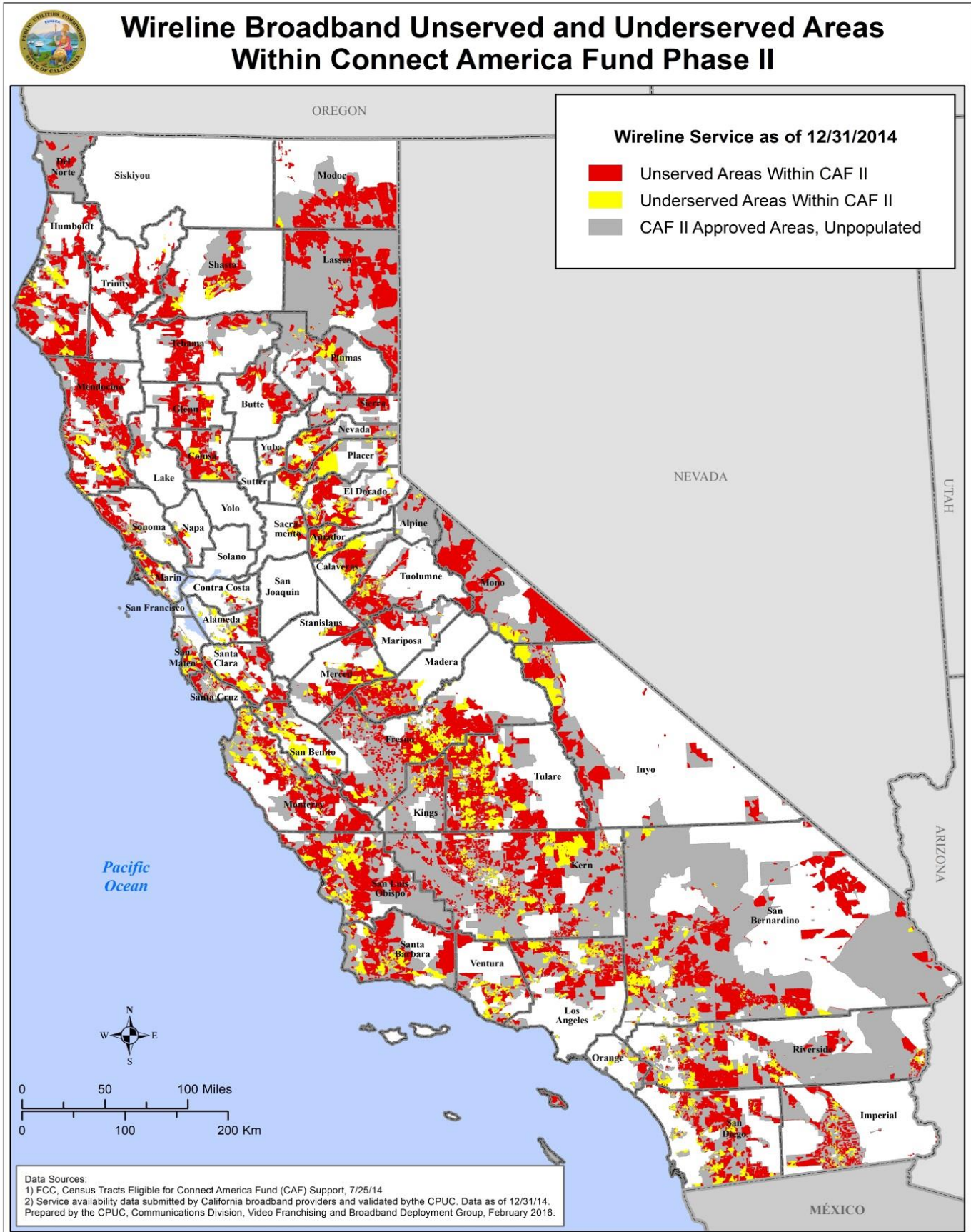
Table 10. Unserved and Underserved California Households Relative to CAF Phase II and Identified Household Locations

California	Unserved <i>(Wireline broadband is not available or slower than 768 Kbps down / 200 Kbps up)</i>	Underserved <i>(Wireline broadband is available but slower than 6 Mbps down/ 1.5 Mbps up)</i>
All Households	292,764	325,955
Households Within CAF II*	105,626	88,049
Households Outside CAF II	187,138	237,906
<i>Source: Broadband data collected by CPUC as of December 31, 2015. Household data from CA DOF 1/1/ 2016 estimate.</i>		
<i>*Not all households within CAF II areas are eligible for CAF II high cost support.</i>		

Map 4, below, shows the combined CASF eligible unserved and underserved wireline areas that fall within CAF II eligible census tracts of the collective four carriers. Note that the unserved and underserved areas do not cover entire CAF II eligible census tracts as some parts of the census tracts are unpopulated.

(Becky working on updating chart 2-10-17)

Map 4. Connect America Funding In California (Phase II)



F. Remaining Unserved and Underserved Households in California

This section of the 2016 CASF Annual Report addresses Public Utilities Code section 914.7(a)(7), which requires “an accounting of remaining unserved and underserved households and areas of the state.” The geographic data in this section illustrates broadband deployment in California for wireline, fixed wireless, and mobile.

CPUC’s Interactive Broadband Availability Map helps consumers find and report broadband service availability in their area.

<http://www.broadbandmap.ca.gov/>

To indicate the remaining households without broadband access in California, the following tables and maps illustrate estimated availability by wireline, fixed-wireless and mobile wireless broadband technologies.⁴² The presentation reflects data as of December 31, 2015, as submitted to the CPUC and validated by Communications Division to the census block level.

Table 11, below, shows the availability of broadband by wireline technologies to California households. In particular, 95.2 percent of California households (12,323,230) have served speeds available, 2.5 percent of households (325,955) have underserved speeds available, and 2.3 percent of households (292,764) have service so slow, if at all, that they are considered unserved.

We note that there is a 0.5% decrease in served households compared to last year’s Annual Report. Nearly all of that difference is due to a single wireline provider’s restatement of served census blocks, which resulted in a reduction of 62,697 households with broadband availability.

⁴² The CPUC broadband availability map separates broadband services into wireline, fixed-wireless, and mobile. Examples of “wireline” technologies include xDSL, Cable Modem, and Fiber to the Home. These technologies use wires or cables that make a physical connection from the provider to the user. “Fixed wireless” solutions rely on radio waves at a particular frequency range to make a “point-to-point” connection between the provider and the user at a fixed location. “Mobile” includes cellular technologies such as 2G, 3G, or 4G LTE to provide service to users who can receive a broadband signal while the user is in motion.

Table 11 Wireline Broadband Availability⁴³

CALIFORNIA	Total	Served Broadband service at least 6 Mbps down and 1.5 Mbps up		Underserved Broadband service slower than 6 Mbps down or 1.5 Mbps up		Unservd Either no service available, or internet access is slower than 768 Kbps down or 200 Kbps up		Unservd Unpopulate d Area	
Households 2016	12,941,948	12,323,230	95.2%	325,955	2.5%	292,764	2.3%	--	--

Map 5, depicts the geographic distribution of wireline availability throughout California. Of note is that wireline availability is primarily located in urban areas with relatively large population density in comparison to under and unserved areas in less densely populated, rural areas. Also, large areas of California are depicted as having no households.

⁴³ Source: Broadband data collected by CPUC as of December 31, 2014. Household data estimate from California Department of Finance, January 1, 2015.

Map 5. Wireline Broadband Availability in California

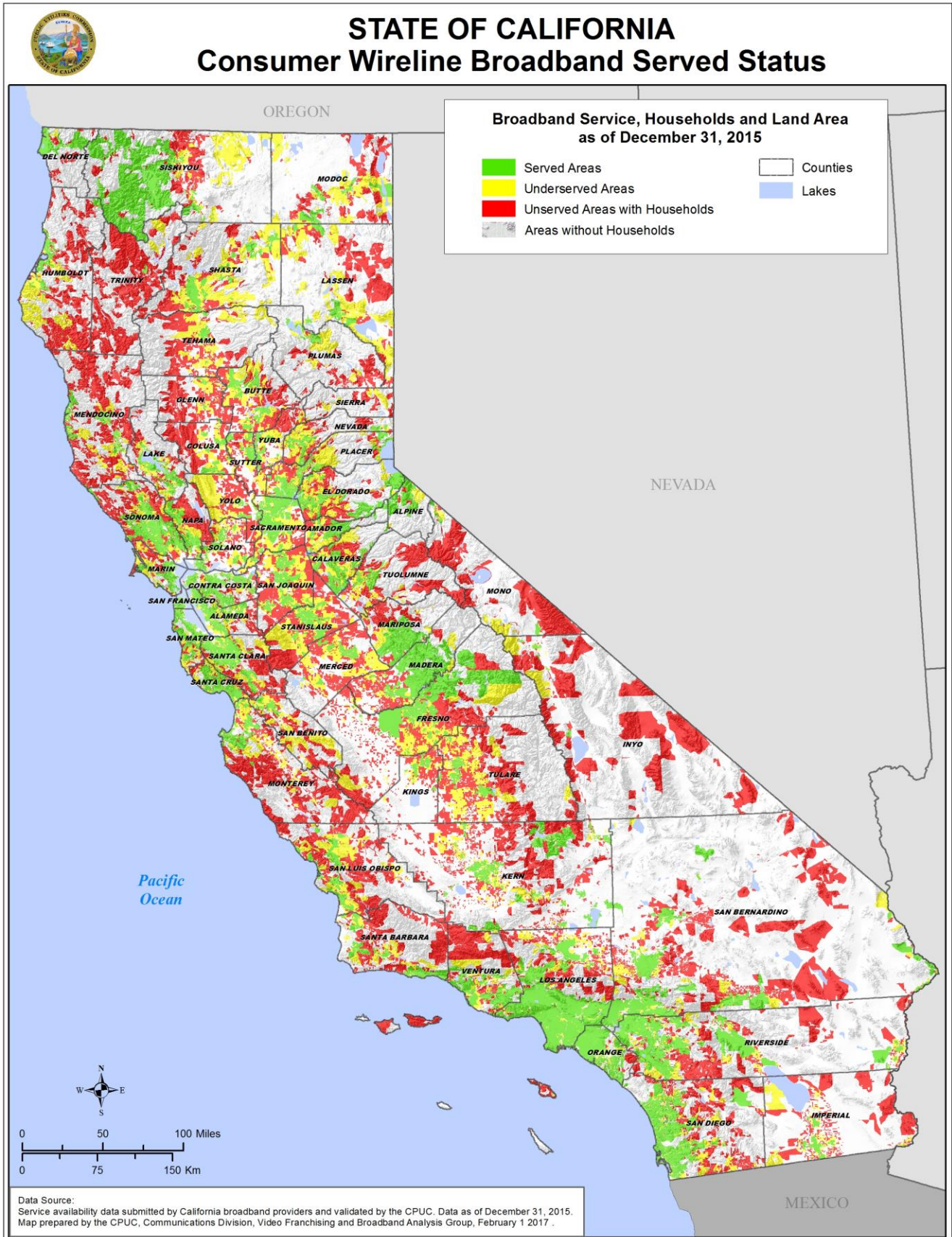


Table 12, below, shows broadband availability utilizing fixed wireless broadband technologies. California households served by fixed wireless is 30.6 percent (3,958,990), which is a 12.6 percent increase compared to last year. This increase is attributable to both a drop in the number of providers submitting data, from 37 to 28 providers, as well as changes in wireless propagation model parameters to more accurately reflect provider coverage.

A key limitation of fixed wireless technology is that in most cases, there must be direct line of sight between the antenna at the consumer's premise and the provider's access point or tower. In many rural parts of California, terrain and foliage makes full fixed wireless coverage difficult, if not nearly impossible. Wireless propagation in such areas is negatively affected by hills as well as the scattering effects of randomly distributed leaves, branches and tree trunks, which can cause attenuation, scattering, diffractions and absorption of fixed wireless radio signals. For this reason, the served and underserved designations for fixed wireless areas are depicted as "partially served" and "partially underserved" respectively. Depending on conditions, such areas "may be" considered grant-eligible.⁴⁴ Areas with test reports indicating robust service availability with direct line-of-sight are considered not grant eligible.

Table 12. Fixed Wireless Broadband Availability

California	Total	Partially Served broadband service of at least 6 Mbps down and 1.5 Mbps up		Partially Underserved broadband service slower than 6 Mbps down or 1.5 Mbps up		Unserved Either no service available, or Internet access is slower than 768 Kbps down or 200 Kbps up	
2016 Households	12,941,948	3,958,990	30.6%	168,173	1.3%	8,814,785	68.1%

Map 6, below, shows that fixed wireless availability is primarily in rural areas where wireline is non-existent and is an important component of connectivity in the state.

⁴⁴ On December 3, 2015, the Bright Fiber Network, Inc., fiber to the home project was approved by the CPUC in resolution T-17495, despite the availability of fixed-wireless in the project area for the reason that fixed wireless had "line-of-sight" connectivity issues. Two applications for rehearing have been filed by affected fixed-wireless providers in the project area and are pending.

Map 6. Fixed-Wireless Broadband Availability in California

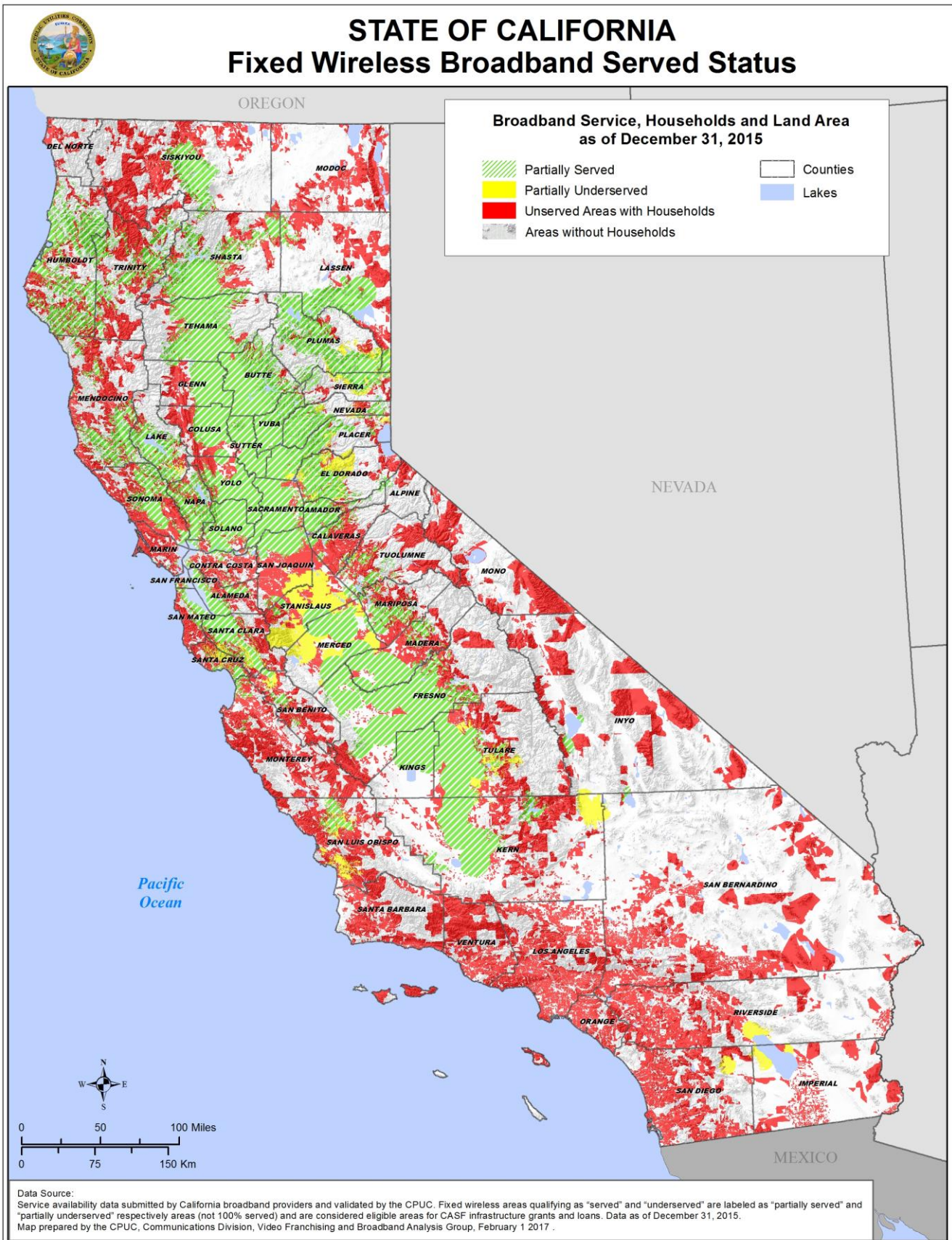


Table 13, below, shows availability utilizing mobile broadband technologies based on the CPUC’s mobile field test CalSPEED program.

The 2014 Annual Report shows our estimate of households served by mobile broadband speeds of at least 6 Mbps down and 1.5 Mbps up to be 95.8%. That estimate was based on a method that compared adjusted mobile field test speeds with the lower speed tier range of the maximum advertised speeds defined by the National Telecommunications and Information Administration.⁴⁵ If the lower of the two values was at or above the served threshold, the census block was designated as “served.”

For the 2015 Annual Report, a stricter method that results in a higher probability estimate of both speed and coverage was utilized.⁴⁶ Whereas before, average speeds were adjusted downward by one standard deviation, for this Report, average speeds were adjusted downward by two standard deviations. This resulted in a lower served household estimate (16.0%).

Table 13. Mobile Broadband Availability: Mobile Served Estimate⁴⁷

California	Total	Served broadband service of at least 6 Mbps down and 1.5 Mbps up	Underserved broadband service slower than 6 Mbps down or 1.5 Mbps up	Underserved Either no service available, or Internet access is slower than 768 Kbps down or 200 Kbps up			
Households 2016	12,941,948	1,006,042	7.8%	11,499,033	88.9%	436,873	3.4%

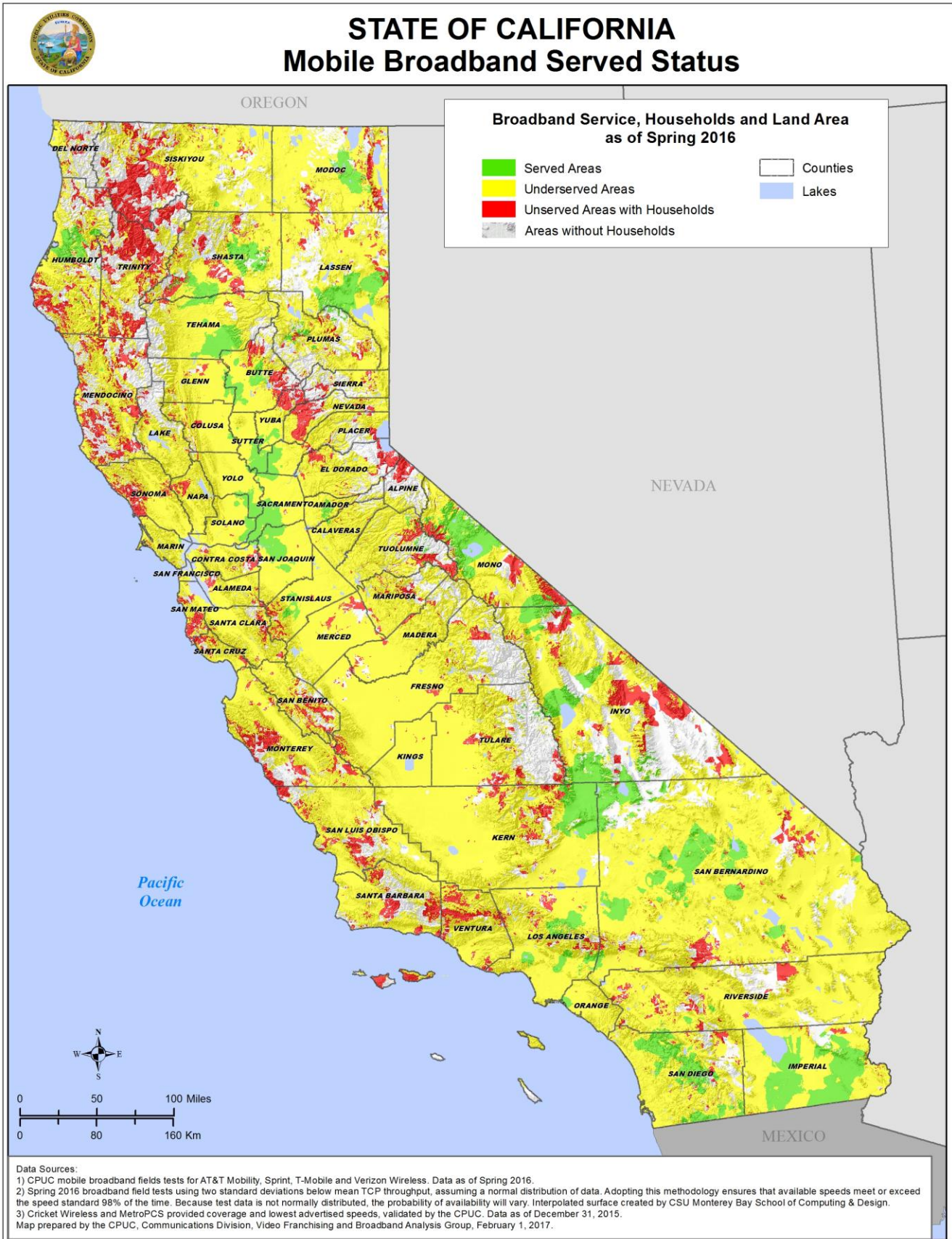
Map 7, below, depicts the geographic availability of mobile broadband. Of note is that the majority of the area of the state is “underserved” by mobile broadband.

⁴⁵ Using the Fall 2013 mobile field test results, the mean (average) upstream and downstream speeds were adjusted by one standard deviation downward to indicate a higher probability of occurrence for end users. The adjusted speeds were interpolated in order to create statewide coverage maps for each provider. Speeds were then compared with the minimum advertised speeds of the four major mobile providers and the lower of the two used to determine served status for each census block.

⁴⁶ CPUC Staff has calculated the throughput level represented by two standard deviations below the tested mean, indicating that a consumer will receive service at least that fast at a 98% confidence interval. Assuming a normal distribution of data, adopting a speed standard at either one or two standard deviations below the mean provides that available speeds meet or exceed the speed standard 84% or 98% of the time. Because test data is not normally distributed, the probability of availability will vary.

⁴⁷ Based on Spring 2015 Field Test data for AT&T Mobility, Sprint, T-Mobile and Verizon Wireless. Interpolated surface of broadband field tests using mean minus two standard deviations created by CSU Monterey Bay School of Computing & Design. Cricket Wireless and MetroPCS provided coverage and lowest advertised speeds, validated by the CPUC. Data as of December 31, 2014.

Map 7. Mobile Broadband Availability in California



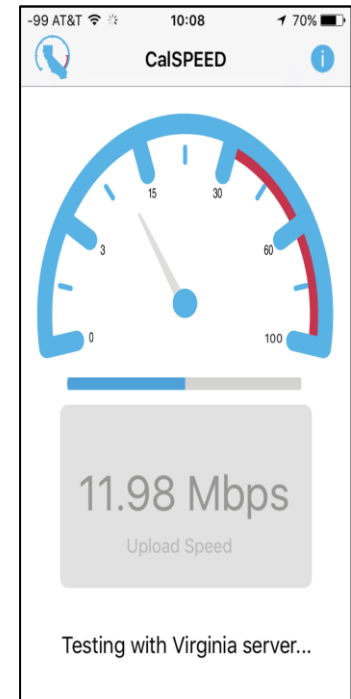
Mobile Broadband Speeds Are Highly Variable

The CPUC has found that average (mean throughput) measured speeds are not representative of a consumer's actual mobile experience. Rather than using the mean throughput, CPUC Staff's analysis quantifies expected speeds at varying probabilities by taking into account the distribution of throughput results around the mean in a single testing session. Thus, if the mean throughput is 10/3 Mbps, one standard deviation below the mean indicates that a consumer will receive service at least as fast approximately 84% of the time⁴⁸. Similarly, CPUC Staff has calculated the throughput level represented by two standard deviations below the tested mean, indicating that a consumer will receive service at least that fast at a 98% confidence interval⁴⁹. Mobile testing reports are available at <http://www.cpuc.ca.gov/General.aspx?id=1778>

Measuring Broadband Availability: CalSPEED Now Available on Three Platforms

As part of our effort to increase public participation in crowdsourced broadband testing, the CPUC now offers CalSPEED on desktop (CalSPEED.org), iPhone, and Android. To date, the public has run over 14,000 tests on CalSPEED. What distinguishes CalSPEED from other mobile speed testing apps are:

- Tests done in areas with no service are automatically reported the next time the tester enters an area with service and re-runs a test.
- Tests are done to servers on opposite ends of the continental United States in order to test performance for locally cached versus remotely cached content.
- CalSPEED results are used to estimate service quality for a variety of applications like over-the-top Voice over Internet Protocol, video streaming, and video conferencing.
- Results are displayed on the California Interactive Broadband Map and are used to validate or invalidate a provider's service.



In 2017, the CPUC plans to initiate a coordinated fixed broadband testing project in compliance with Decision **1612025, Dec. 1, 2016 ordering paragraph 4:**

The Communications Division staff shall budget and seek state funding for a third party survey of consumer broadband speed experience measured by the CalSPEED fixed location test. Staff shall report to the Commission its findings and recommendations.

⁴⁸ This percentage is based on a normal distribution of test samples. Staff is working on ways to improve reliability estimates using a Poisson distribution.

⁵⁰ See footnote 1

Broadband Access at 25 Mbps Downstream and 3 Mbps Upstream

Tables 14, below, indicates the availability of wireline broadband to all California households and rural and urban households. Compared to Table 11, which indicates that 5.1% of California households do not have current served speeds, increasing the “served” definition for wireline from 6 Mbps downstream and 1.5 Mbps upstream, to 25 Mbps downstream and 3 Mbps upstream would increase the number of program eligible households in California by 0.9%, or 128,832 households. However, the total number of eligible households under the 25/3 Mbps standard would be 777,936. Using the average cost per household of all CASF approved projects, the total cost to connect unserved households is roughly estimated to be \$1.3 billion.⁵⁰ An alternative estimation is based on the average cost of CASF approved fiber-to-the-home projects, where the total cost to reach the 98% served program goal could sum to \$3.2 billion.⁵¹

Table 14. Households* Served by Wireline Broadband at 25/3 Mbps
(as of December 31, 2015)**

	All California	Rural	Urban
Households	12,941,948	680,877	12,261,071
Households Served	12,196,361	254,438	11,941,923
Percentage	94%	37%	97%
Households Underserved & Unserved	745,587	426,439	319,148
Percentage	6%	63%	3%

* CA Department of Finance, January 2016 estimate.

** Served estimates based on the broadband data collected by CPUC as of December 31, 2015.

⁵⁰ Table 8(a) computes average cost per last-mile and middle-mile separately. Because middle-mile does not reach end-user households directly, there is a necessity for last-mile to reach end-user customers. While not all last-mile CASF projects require a subsidized middle-mile project, to assess program costs requires consideration of CASF middle-mile project costs. Therefore, by necessity the averages of both are summed ($\$1,519 + \$175 = \$1,694$) to arrive at an estimate of average cost to serve each household.

⁵¹ The average of 15 CASF approved fiber-to-the-home projects is \$9,442, inclusive of \$175 middle-mile costs. Assuming urban fiber-to-the-home project costs are 20% of rural (and excluding middle-mile), the urban cost per household would be \$1,853. Actual costs would differ and likely be larger due to variables such terrain, environmental review and permitting costs. Total estimated CASF program cost to reach 98% is $\$9,442 \times 297,161 + \$1,853 \times 224,174$; to reach 100% is \$4.9 billion.

Tables 15, below, indicates the availability of mobile broadband to all California households and rural and urban households. Compared to Table 13, which indicates that 84% of California households do not have mobile availability at current served speeds, increasing the “served” definition for wireline from 6 Mbps downstream and 1.5 Mbps upstream, to 25 Mbps downstream and 3 Mbps upstream would increase the number of program eligible households in California by 100%, or 12,830,035 households. The effect of this on the CASF program is that mobile could not preclude an area that has no wireline services from being ineligible. Thus, only wireline availability becomes the practical determinant of program eligibility at 25/3 Mbps. However, the effect may be temporary as mobile speeds and service quality improve.

Table 15. Households* Served by Mobile Broadband at 25/3 Mbps
(as of December 31, 2015)**

	All California	Rural	Urban
Households	12,941,948	680,877	12,261,071
Households Served	0	0	0
Percentage	0%	0%	0%
Households Underserved & Unserved	12,941,948	680,877	12,261,071
Percentage	100%	100%	100%

* CA Department of Finance, January 2016 estimate.

** Served estimates based on the mobile field testing, interpolated mean minus 2 standard deviation results. CPUC Communications Division, Spring 2016, Field Test Report Data.

High Impact Areas

CD staff prepared a white paper as part of its efforts to increase broadband deployment and to better identify High Impact areas. CD staff identified thirteen areas containing 34,228 households which staff believes represents the best “bang for the buck” for deploying broadband Internet infrastructure to more California households. In identifying these high impact areas, staff specifically searched for areas with the following;

1. Sufficient potential subscribers to maintain a network
2. Relatively high household density
3. The presence of unserved households
4. The lack of significant competition,
5. The lack of challenging terrain that would drive up deployment costs

CD staff first analyzed household density, creating 46 “areas of interest” comprising groups of census blocks with a household density of higher than 150 households per square mile. CD staff refined this list by removing areas lacking unserved households, areas partially served by fixed wireless, areas where 60 percent or more of households already have Internet service at speeds of 10/1 and areas with challenging terrain.

As part of this effort, CD staff requested public comment on its white paper, with a focus on the methodology used, whether existing Internet service providers already serve the identified areas, if current providers will commit to serve the identified areas or if inadvertently a particular community was overlooked. CD staff will receive input during a public comment period ending on March 17, 2017 and at a public workshop on February 28, 2017. Following final identification of the “high-impact areas,” staff may draft a Commission resolution that provides specific applications to serve such areas as a “priority review” above other pending projects or out of area projects received. In the future, CD staff intends to host further public workshops focused on improving CASF program efficiency, efficacy, and alternatives to reach the goal of providing 98 percent of California households with access to Internet service at served speeds.

G. CASF Fund Balance and Projected Revenues Through 2020

The CASF is funded by a surcharge rate on revenues collected by telecommunications carriers from end-users for intrastate telecommunication services. Table 16, below, presents the status of the CASF balance and the projected amount to be collected in each year through 2020 to fund approved projects, as required in Public Utilities Code Section 914.7(a)(8).

Per Public Utilities Code Section 281(d)(3), the CPUC may collect a total of \$315 million to fund the CASF program; where \$100 million was collected prior to January 1, 2011, and \$215 million may be collected on and after January 1, 2011, and continuing through calendar year 2020 in an amount not to exceed \$25 million per year. An amount higher than \$25million per year may be collected if it does not result in an increase in the total amount of all surcharges collected from telephone customers that year. The CASF surcharge has reached \$315 million in 2016 and the collection of surcharges has ceased as of December 1, 2016. The CASF fund is now at \$315 million and so the collection of the CASF surcharge ceased on December 1, 2016.

Table 16. CASF Estimated Surcharge Collection As of December 31, 2016

Calendar Year	Surcharge Rate(a)	Surcharge Collection	Total	Variance (Under collection)	Estimated Running Total
2008-2010	0.25%	\$115 million	\$115 million	\$15 million	\$115 million
2011	0.14%	\$467,496	\$16 million	(\$9 million)	\$116 million
2012	0.14%	\$22 million	\$22 million	(\$3 million)	\$138 million
2013	0.164%	\$22 million	\$22 million	(\$3 million)	\$160 million
2014	0.46% ^b	\$38 million	\$38 million	\$13 million	\$198 million
2015	0.464%	\$58 million	\$58 million	\$33 million	\$256 million
2016	0.464%	\$56 million ^c	\$56 million	\$31 million	\$312 million
2017	0.464% ^d	\$3 million ^c	\$3 million	(\$3 million)	\$315 million
2018	0.0%	\$0 million	\$0 million	-	\$315 million
2019	0.0%	\$0 million	\$0 million	-	\$315 million
2020	0.0%	\$0 million	\$0 million	-	\$315 million
Total			\$315 million		

(a) Surcharge rate changes:

- Set to 0.025% by Decision 07-12-054 (December 20, 2007), effective January 1, 2008
- Set to 0.0% by Resolution T-17248 (December 17, 2009), effective January 1, 2010
- Set to 0.14% by Resolution T-17343 (September 22, 2011), effective November 1, 2011
- Set to 0.164% by Resolution T-17386 (February 20, 2013), effective April 1, 2013
- Set to 0.464% by Resolution T-17434 (February 27, 2014), effective April 1, 2014

(b) Surcharge rate was 0.164% in January to March 2014 and 0.464% thereafter.

(c) Estimated based on surcharge rate and billing base.

(d) Surcharge rate set to 0.0% since \$315M has been collected.

IV. Attachments

A-1. Approved Projects

A-2. Pending Projects

A-3. Projects Denied/Withdrawn/Not Acted Upon

A-4. Rescinded Projects

B. Consortia Account Benefits

C. Letter Regarding Remaining Consortia Funds

D. Public Housing

Attachment A-1. Approved CASF Infrastructure Projects⁵²
(as of December 31, 2016)

Projects Approved before 2016			Projects Approved in 2016 (11)			Middle-Mile (7)				
	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNRESERVED HOUSE HOLDS	TOTAL # OF POTENTIAL HOUSE HOLDS	GRANT AWARD	FUNDS REQUESTED PER HOUSE HOLD	TYPE	DATE COMPLETED
1	Anza Electrical Coop	Connect Anza	Riverside County	0	3,751	3,751	\$2,662,450	\$710	Last-mile	On-going
2	AT&T	Alta/Blue Canyon	Nevada/Placer Counties	236	0	236	\$56,628	\$240	Last-mile	5/27/2011
3	AT&T	Blanchard	Mariposa	123	0	123	\$35,816	\$291	Last-mile	5/27/2011
4	AT&T	Clovis	Fresno	0	125	125	\$36,393	\$291	Last-mile	6/1/2012
5	AT&T	Comptche	Mendocino County	97	0	97	\$18,392	\$190	Last-mile	5/27/2011
6	AT&T	Easton	Fresno	0	9	9	\$49,869	\$5,541	Last-mile	6/1/2012
7	AT&T	Grenada	Siskiyou	275	0	275	\$57,596	\$209	Last-mile	5/27/2011
8	AT&T	Hopland	Mendocino	328	0	328	\$61,952	\$189	Last-mile	5/27/2011
9	AT&T	Lodi	San Joaquin	0	35	35	\$137,416	\$3,926	Last-mile	12/1/2010
10	AT&T	Mount Wilson	Los Angeles	15	0	15	\$2,420	\$161	Last-mile	5/27/2011
11	AT&T	Warner Springs	San Diego County	66	0	66	\$93,896	\$1,423	Last-mile	5/27/2011
12	Audeamus	Tranquility and West Fresno	Fresno County	234	351	585	\$1,154,496	\$1,973	Last-mile	11/21/2011
13	Bright Fiber, Inc.	Bright Fiber Project	Nevada County	0	1,941	1,941	\$16,156,323	\$8,581	Last-mile	On-going
14	Calaveras Telephone Company	Poker Flat Project	Calaveras	0	409	409	\$640,698	\$1,566	Last-mile	7/7/2016
15	Cal.net, Inc.	El Dorado North Fixed Wireless Broadband	El Dorado County	0	1,537	1,537	\$1,139,755	\$742	Last-mile	On-going

⁵²Data based on CASF resolutions, see <http://www.cpuc.ca.gov/General.aspx?id=1057>.

	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNDESERVED HOUSE HOLDS	TOTAL # OF POTENTIAL HOUSE HOLDS	GRANT AWARD	FUNDS REQUESTED PER HOUSE HOLD	TYPE	Completion Date
16	Cal.net Amador	Amador, Cala, Alp	Ama, Cala, Alp.		4,878	4,878	\$2,862,388	\$587	Last-mile	On-going
17	Cal.net, Inc.	Tuolumne Mariposa	Tuolmne & Mariposa Co's		7,711	7,711	\$3,608,224	\$468	Last-mile	On-going
18	Cal.net, Inc.	El Dorado South and East Fixed Wireless Broadband	El Dorado County	0	1,350	1,350	\$1,256,524	\$931	Last-mile	On-going
19	CVIN LLC*	Central Valley Independent Network, LLC. (CVIN) & the Corporation for Educational Network Initiatives in California (CENIC) middle mile fiber-optics network infrastructure	Amador, Calaveras, Colusa, El Dorado, Fresno, Kings, Kern, Mariposa, Merced, Madera, Nevada, Placer, San Joaquin, Stanislaus, Tuolumne, Tulare, Sutter & Yuba	0	0	0	\$6,659,967	\$0	Middle-mile	5/31/2014
20	Foresthill Telephone Company/Sebastian	Big Dipper	Placer County	0	84	84	\$117,000	\$1,393	Last-mile	7/11/2015
21	Frontier/Citizens	Birds Landing	Solano	0	69	69	\$100,444	\$1,456	Last-mile	3/10/2010
22	Frontier/Citizens	Livingston	Merced	0	308	308	\$62,000	\$201	Last-mile	11/15/2009
23	Frontier/Citizens	Petrolia	Humboldt	0	104	104	\$202,557	\$1,948	Middle-mile	2/3/2016
24	Frontier/Citizens	Prattville	Lake Almanor, Plumas	171	0	171	\$41,192	\$241	Last-mile	6/29/2016
25	Frontier/Citizens	Shingletown	Shasta County		1,017	1,017	\$545,690	\$537	Last-mile	On-going
	CVIN LLC* \$6,659,967 - \$346,984(reduced) = \$6,312,983									

	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNDESERVED HOUSE HOLDS	TOTAL # OF POTENTIAL HOUSE HOLDS	GRANT AWARD	FUNDS REQUESTED PER HOUSE HOLD	TYPE	Completion Date
26	Frontier Communications of the Southwest, Inc.	Alpine	Markleeville, Woodfords, Paynesville, Fredericksburg and surrounding areas		623	623	\$95,919	\$154	Last-mile	1/21/2016
27	Frontier Communications of the Southwest, Inc.	San Bernardino Havasu Palms Black Meadow	San Bernardino County	3,732	0	3,732	\$168,171	\$45	Last-mile	Completed
28	Frontier Communications of the West Coast	Del Norte	Ship Ashore and Fort Dick areas of the Smith River exchange ; Pacific Shores area of the Crescent City exchange	0	645	645	\$68,168	\$106	Last-mile	1/21/2016
29	Happy Valley** Telephone Company (TDS Telecom)	Olinda	Shasta County	0	1,908	1,908	\$1,833,689	\$961	Last-mile	On-going
30	Inyo Networks California Broadband Cooperative	Digital 395 Middle Mile	Mono, Inyo and Eastern Kern Counties, North Eastern San Bernardino	0	28,127	28,127	\$29,223,432	\$1,039	Middle-mile	8/31/2014
	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNDESERVED HOUSE HOLDS	TOTAL # OF POTENTIAL HOUSE HOLDS	GRANT AWARD	FUNDS REQUESTED PER HOUSE HOLD	TYPE	Completion Date
31	Inyo Networks California Broadband Cooperative	Nicasio Broadband	Marin County		216	216	\$1,491,078		Last-mile	On-going
32	IP Networks	Hwy 36 Humboldt-Trinity Counties	Humboldt and Trinity Counties	0	527	527	\$5,753,240	\$10,917	Middle-mile	1/2/2012

33	Karuk Tribe	Klamath River Rural Broadband Initiative (last mile & middle mile)	Humboldt County	295	321	616	\$6,602,422	\$10,718	Last-mile	On-going
34	MCC Telephony	Kernville Teleconnect	Kernville, Onyx, Weldon, Wofford Heights, Inyokern	7,779	1,400	9,179	\$285,992	\$31	Last-mile	On-going
35	Pinnacles Telephone Company	Pinnacles Monument	San Benito County	0	47	47	\$195,299	\$4,155	Last-mile	12/4/2014
36	Plumas Sierra Telecom	Plumas-Sierra Middle-Mile	Plumas, Lassen and Sierra	0	13,000	13,000	\$1,721,280	\$132	Middle-mile	3/11/2014
37	Ponderosa Cable Vision	Auberry	Fresno	1,043	0	1,043	\$1,154,780	\$1,107	Last-mile	5/19/2014
38	Ponderosa Telephone Company	Beasore/Central Camp	Madera County	32	0	32	\$1,755,042	\$54,845	Last-mile	On-going
39	Ponderosa Telephone Company	Big Creek	Fresno County	6	73	79	\$898,574	\$11,374	Last-mile	1/11/2017
40	Ponderosa Telephone Company	Cressman	Cressman area of Fresno County	59	11	70	\$1,027,380	\$14,677	Last-mile	On-going
41	Race Telecom	Gigafy Backus	Kern County	253	0	253	\$2,239,991	\$8,854	Last-mile	12/27/2016
42	Race Telecom	Kern County City of Boron	Kern County	0	892	892	\$3,426,357	\$3,841	Last-mile	3/31/2015
43	Race Telecom	Kern County High Desert	Kern County	0	4,371	4,371	\$12,583,343	\$2,879	Last-mile	4/1/2015
44	Race Telecom***	Mojave Air and Space Port	Kern County	0	0	0	\$506,199	\$0	Last-mile	11/1/2012
**Happy Valley received additional funding \$462,978 + \$1,833,689 = \$2,296,667										
***Race project served business only.										
	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNDESERVED HOUSE HOLDS	TOTAL # OF POTENTIAL HOUSE HOLDS	GRANT AWARD	FUNDS REQUESTED PER HOUSE HOLD	TYPE	Completion Date
45	Race Telecomm	Mono County	Mono County	0	727	727	\$4,650,593	\$6,397	Last-mile	On-going
46	Race Telecomm	Gigafy Occidental	Occidental	458		458	\$7,687,016	\$16,784	Last-mile	On-going
47	Race Telecom	Gigafy North 395	Walker, Bridgeport		444	444	\$3,124,490	\$7,037	Last-mile	On-going

48	Race Telecom	Gigafy Mono	Mono County	0		399	\$6,580,007	\$13,893	Last-mile	On-going
49	Race Telecom	Five Mining	Sonoma County		202	202	\$2,037,721	\$10,087	Last-mile	On-going
50	Sunesys	Connected Central Coast	Portions of the Central Coast between Salinas and Soledad in Santa Cruz and Monterey Counties	59	11,065	11,124	\$10,640,000	\$956	Middle-mile	On-going
51	Surfnet Comm.	Paradise Road	Paradise Road, Monterey County	0	278	278	\$177,954	\$853	Last-mile	On-going
52	Siskiyou Tele****	Happy Camp	Siskiyou County	10	27	37	\$50,014	\$5,001	Last-mile	On-going
			Somes Bar				\$3,595,071	\$133,151	Middle-mile	
53	Ultimate Internet Access	Helendale	San Bernardino County	0	2,279	2,279	\$1,385,825	\$608	Last-mile	On-going
54	Ultimate Internet Access	Wrightwood	San Bernardino and Los Angeles counties	0	1,857	1,857	\$1,937,380	\$1,043	Last-mile	On-going
55	Willits Online	Boonville	Mendocino County	0	605	605	\$122,931	\$271	Last-mile	12/1/2015
56	Willits Online	Covelo	Mendocino	300	0	300	\$54,000	\$180	Last-mile	12/15/2010
57	Willits Online	Laytonville	Mendocino	500	0	500	\$54,000	\$108	Last-mile	12/15/2010
58	Winterhaven Telephone Company (TDS Telecom)	Winterhaven	Imperial County	0	961	961	\$2,063,967	\$2,148	Last-mile	On-going
	**** Siskiyou Tele - Hybrid (\$50,014 + \$3,595,071 = \$3,645,845)									
	Total 2016	New Projects		468	16,764	18,249	\$33,977,978			Completed
Total Approved for CASF Last Mile Projects				16,012	41,834	57,846	\$95,155,864			33
Total Approved for CASF Middle Mile Projects				59	52,850	52,909	\$57,795,547			
Total of All Approved CASF Projects As Of 12/31/16				16,071	94,684	110,755	\$152,951,411			

Attachment A-2 Pending CASF Infrastructure Projects⁵³
(as of December 31, 2016)

	GRANTEE	PROJECT NAME	LOCATION	UNSERVED HOUSE HOLDS	UNDERSERVED HOUSE HOLDS	TOTAL # OF HOUSE HOLDS	GRANT REQUEST (AS SUBMITTED BY APPLICANTS)	LOAN REQUESTS (AS SUBMITTED BY APPLICANTS)	INFRASTRUCTURE TYPE
1	Ducor Telephone Company	Deliver Broadband to the Pacific Crest to Cross the Digital Divide	Tulare and Inyo Counties	0	174	174	\$2,339,400	\$0	Middle-mile*
2	Inyo Networks	Digital 299 Broadband	Humboldt, Trinity and Shasta counties	1032	0	1,032	\$50,501,691	\$0	Middle-mile*
3	LCB Communications LLC	Light Saber Project	Santa Clara County	0	1636	1,636	\$2,809,033	\$0	Last-mile
4	Race Telecom	Gigafy Phelan	San Bernardino County	0	10028	10,028	\$48,295,774	\$0	Last-mile
5	Renegade	Vandyland	Santa Barbara County		1299	1,299	\$460,000	\$154,000	Last-mile
6	Surfnet Communications	Las Cumbres Fiber Project	Santa Cruz County	0	123	123	\$729,932	\$243,311	Last-mile
7	Ultimate Internet Access	Phelan-Piñon Hills-Oak Hills 1 Gbps	San Bernardino County	0	10450	10,450	\$20,977,159.86	\$0	Last-mile
TOTAL				1,032	23,710	24,742	\$126,112,990	\$397,311	
				Total Amount Requested				\$126,510,301	

*Middle mile projects with last mile components

A/o 12/31/16

⁵³ Data as submitted by applicants. See <http://www.cpuc.ca.gov/General.aspx?id=1040>.

Attachment A-3. CASF Infrastructure Projects Denied, Withdrawn or Not Acted Upon⁵⁴ (as of December 31, 2016)

	GRANTEE	PROJECT NAME	LOCATION	GRANT REQUEST	LOAN REQUEST	TOTAL CASF REQUEST	INFRASTRUCTURE TYPE
1	Cal.net, Inc.	El Dorado and Amador BB1	El Dorado and Amador	\$1,500,000	\$500,000	\$2,000,000	Last-mile
2	Ducor Telephone Company	Rancho Tehama FTTH Network	Tehama	\$3,107,706	\$0	\$3,107,706	Last-mile
3	Golden Bear Broadband	Northern California Middle Mile	Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Siskiyou, Sonoma, Tehama, Trinity, and Yolo	\$119,394,315	\$0	\$119,394,315	Middle-mile
4	Inyo Networks	Alpine Peaks	Placer County	\$759,404	\$0	\$759,404	Last-mile
5	Inyo Networks	South Inyo	Inyo	\$3,091,061	\$0	\$3,091,061	Middle-mile*
6	North County Communications Corp.	Humboldt & Del Norte Project	Humboldt and Del Norte	\$14,828,917	\$0	\$14,828,917	Middle-mile*
7	Plumas Sierra Telecommunications**	PST Plumas/Sierra/Lassen Last-Mile Broadband Project	Plumas, Sierra and Lassen	\$676,902	\$0	\$676,902	Last-mile
8	Ponderosa Telephone	DLC	Madera and Fresno	\$945,000	\$0	\$945,000	Last-mile
9	Ponderosa Telephone	Wishon	Madera and Fresno	\$2,029,848	\$0	\$2,029,848	Last-mile
10	Race Telecom	California City	Kern	\$9,807,584	\$0	\$9,807,584	Last-mile
11	Race Telecom	City of Mojave	Kern	\$3,531,161	\$0	\$3,531,161	Last-mile
12	Schat	Inyo County	Inyo	\$1,414,725	\$452,712	\$1,867,437	Last-mile
13	Schat	Mono County	Mono	\$1,457,257	\$484,944	\$1,942,201	Last-mile
14	Surfnet Communications	Santa Cruz Mountains	Santa Cruz	\$812,381	\$270,794	\$1,083,175	Last-mile
15	The Sea Ranch Association	The Sea Ranch Fiber To The Home (FTTH) Project	Sonoma County	\$3,120,000	\$0	\$3,120,000	Last-mile
16	Viasat, Inc.	Broadband Via Satellite for California	Most of the state	\$11,130,997	\$0	\$11,130,997	Last-mile

*Middle mile projects with last mile components

**Applicant withdrew application on 12/7/2015, but may resubmit a new application without challenged areas.

⁵⁴ Data as submitted by applicants. See <http://www.cpuc.ca.gov/General.aspx?id=1040>.

Attachment A-4. Rescinded CASF Infrastructure Projects⁵⁵
(as of December 31, 2016)

	GRANTEE	PROJECT NAME	GRANT AWARD	LOAN AWARD	TOTAL CASF AWARD	INFRASTRUCTURE TYPE	Reason for Rescinding Grant
1	AT&T California	Carmel	\$91,083	\$0	\$91,083	Last-mile	Opted out of the project due to economic inability to recover sufficient revenues to recover costs
2	AT&T California	Carmel Valley	\$47,916	\$0	\$47,916	Last-mile	Completed work but opted out of receiving CASF funding
3	AT&T California	Friant	\$46,463	\$0	\$46,463	Last-mile	Opted out of project deployment due to costs
4	AT&T California	Irwin	\$41,411	\$0	\$41,411	Last-mile	Opted out of the project due to economic inability to recover sufficient revenues to recover costs
5	AT&T California	Los Banos	\$120,170	\$0	\$120,170	Last-mile	Opted out of project deployment due to costs
6	AT&T California	Madera Acres	\$43,301	\$0	\$43,301	Last-mile	Opted out of the project due to economic inability to recover sufficient revenues to recover costs
7	AT&T California	Oakdale	\$108,783	\$0	\$108,783	Last-mile	Opted out of the project due to economic inability to recover sufficient revenues to recover costs
8	AT&T California	Vacaville	\$171,914	\$0	\$171,914	Last-mile	Opted out of project deployment due to costs
9	Broadband Associates	Highway 299	\$7,830,720	\$0	\$7,830,720	Middle-mile	Encountered financial and construction issues
10	Broadband Associates	Northeastern California	\$18,012,964	\$0	\$18,012,964	Middle-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
11	California Broadband Cooperative - Inyo Networks	Last Mile	\$2,247,308	\$0	\$2,247,308	Last-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
12	California Valley Broadband, LLC	California Broadband	\$7,878,386	\$0	\$7,878,386	Middle-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
13	Citizens Telecommunications Company of California	Alturas Middle-Mile	\$225,918	\$0	\$225,918	Middle-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
14	Citizens Telecommunications Company of California	Lookout	\$50,707	\$0	\$50,707	Last-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
15	Nevada County Economic Resource Council	Nevada County Connected	\$1,312,747	\$0	\$1,312,747	Middle-mile	Unsuccessful in acquiring outside investments, sponsorships, or federal grant awards
16	Plumas Sierra Telecommunications	Last Mile	\$166,911	\$0	\$166,911	Last-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
17	Race Telecom	Last Mile	\$9,500,864	\$0	\$9,500,864	Last-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
18	Rapid Link, Inc. and Mother Lode Internet	Mother Lode Broadband	\$2,771,341	\$0	\$2,771,341	Middle-mile	Failed to submit performance bond
19	Redwood Telephone LLC	NorCal Open Community Fiber Network Project	\$2,169,815	\$0	\$2,169,815	Middle-mile*	Unsuccessful in acquiring outside investments, sponsorships, or federal grant awards

⁵⁵ Data based on CASF resolutions. See <http://www.cpuc.ca.gov/General.aspx?id=1057>.

	GRANTEE	PROJECT NAME	GRANT AWARD	LOAN AWARD	TOTAL CASF AWARD	INFRASTRUCTURE TYPE	Reason for Rescinding Grant
20	Shasta Co. Telecom	Shasta County	\$2,238,806		\$2,238,806	Last-mile	Did not fulfill reporting requirements or respond to contact requests
21	Siskiyou County Economic Development Council	Middle Mile Project	\$1,697,029	\$0	\$1,697,029	Middle-mile	Unsuccessful in acquiring outside investments, sponsorships, or federal grant awards
22	Siskiyou Telephone	Seiad	\$2,621,824	\$0	\$2,621,824	Middle-mile*	Unsuccessful in acquiring outside investments, sponsorships, or federal grant awards
23	Surfnet	Monterey Dunes	\$79,078	26,359	\$105,437		Matching funding agreement lapsed
24	Telenational Communications Inc.	Mother Lode Broadband	\$3,110,064	\$0	\$3,110,064	Middle-mile	Failed to submit performance bond
25	University Corporation at Monterey Bay	Central Coast BB Consortium Middle-Mile	\$4,975,009	\$0	\$4,975,009	Last-mile	Did not receive Recovery Act funding, implements the contingency terms in the previous resolution
26	Verizon	Crowley Lake & Swall Meadow	\$286,398	\$0	\$286,398	Last-mile	The total grant amount expired before Verizon provided service and Verizon did not seek grant reimbursement following infrastructure deployment; project was completed
27	Verizon	Pinyon	\$174,000		\$174,000	Last-mile	Did not seek reimbursement; Project was completed
28	Verizon	The Sea Ranch	\$1,872,017		\$1,872,017	Last-mile	Did not seek reimbursement; Project was completed
29	Willits Online LLC	Westport	\$149,364		\$149,364	Last-mile	Without prejudice, added costs

*Middle mile projects with last mile components

Attachment B. 2016 Consortia Account Reported Benefits⁵⁶

Broadband Consortium of the Pacific Coast

- Held more than 20 meetings with local/state Decision Makers resulting in broadband policies in the following geographic areas/topics: Santa Maria, Lompoc, Solvang, County of Santa Barbara, County of Ventura, City of Ventura. The City of Ventura has a draft policy pending approval.
- Advanced strategies for connecting anchor institutions with the conduct of performance of mapping and asset analysis
- Participated in developing 1 Broadband infrastructure applications in following locations: On August 12, 2016, the Commission received an application for CASF funding from Renegade Technologies (The Vandyland Plan).
- List Broadband infrastructure plans promoted, adopted: Convened and conducted regional stakeholder meetings in Ventura County and Northern Santa Barbara County (Lompoc East). Initiated strategic dialogue between municipalities and broadband providers. The cities of Santa Paula, Lompoc, and Santa Maria are uniquely positioned for breakthroughs.
- 18 meetings with officials and business representatives from Lompoc and Santa Barbara County, Santa Paula area and Ventura County and following outreach activities. led to following outcomes: A new 1500 development east of Santa Paula is developing strategy for delivering Gigabit service / A relook at a tri-county anchor institution connection strategy as a catalyst for economic development as well as connections to rural outlying area.

East Bay Broadband Consortium

- Tech Exchange received 324 desktops, 250 laptops and 146 monitors
- 20 Tech Fairs held; 804 families received free computers and 177 families signed up for new Broadband subscriptions.
- Agreement with Oakland Parks and Rec to establish pilot; agreed with Community Technology Network to coordinate program; drafted program redesign.
- Collaborative launched its website, assisted 7 companies to develop diversity, inclusion and equity strategies and hosted sold-out forum for tech workers.
- Tech Pathways provides framework for understanding tech careers and covers East Bay tech training programs.

⁵⁶ Consortia with CASF funding for 2016 operations were requested to report benefits to the Communications Division. This self-reporting is presented here. No information was requested from California One Million NIU, Connected Capital or San Diego/Imperial Consortia because no payments were made for activities in 2016.

- EBBC participated in 2 T2P2 meetings. EBBC presented information on TechPathways and engaged participation and presented information on Smart Neighborhoods pilot.
- Planning for 4th EBBC Summit has begun.
- Narrative, Tabular and Financial Reports for Q1/Year 1 have been submitted.
- New website has been designed and will be launched in Q2/Year 1.

Eastern Sierra Connect Consortium

- 36 Internet Literacy Courses delivered 4 hours per course to average 20 individuals per class.
- Held 3 meetings with local/state Decision Makers concerning broadband policies in rural areas of Kern County.
- Submitted final Reports and invoice for the CASF Consortia grant closure.

Gold Country Broadband Consortium

- 4 Internet Literacy Courses delivered 8 hours per course to 72 individuals
- Held 2 meetings with local/state Decision Makers resulting in broadband policies in the following geographic areas/topics: Nevada, Co, Placer Co, El Dorado Co., Alpine co and Sierra Co meetings regarding broadband implementation needs and funding requirements for new projects.
- Participated in developing 3 Broadband infrastructure applications in following locations: Two grant proposals from Cal.Net for broadband infrastructure in the region, plus 1 application for an EDA feasibility grant in El Dorado County.
- List Broadband infrastructure plans promoted, adopted: assisted in the Broadband infrastructure plan for El Dorado Co and participated in the EDA feasibility grant application, and participated in the infrastructure plan for Nevada Co, in particular, Grass Valley and Nevada City
- 2 meetings with Town of Washington and unincorporated parts of Auburn area and following outreach activities: Determined that broadband delivery speeds are non-existent or extremely slow, outcome is to create plan for access to broadband in these communities and provide mapping support through consultant.

North Bay/North Coast Broadband Consortium

- The CASF grant to **NBNCBC** ended June 30, 2016. While consortium-wide activities were minimal during the second half of 2016, the individual county teams did continue their efforts in a range of activities including collaborating with local groups that were working in the area of access and adoption and with those providers engaged in deploying broadband infrastructure projects. In addition, the Mendocino team provided CPUC Commissioner Sandoval valuable input on the Rural Call Completion Proceeding that was approved and issued on December 20, 2016. Specifically, achievements in 2016 include:

- **Two Assessment Reports Produced**--Mendocino completed a comprehensive assessment of free public access computer availability and digital literacy programs that are found throughout the county in March 2015. The full report –“*The Availability of and the Needs for Adoption Programs In Mendocino County*” was distributed to BAMC’s email list of over 400 people, and is posted on the BAMC website. The report identified a significant need in most areas of the county for digital literacy classes and public access to free use of computers and Wi-Fi, especially the rural and coastal areas, where many people do not have access at home.
- Sonoma developed and distributed a survey to gather data on existing adoption programs. “*The Sonoma County Adoption Report*” was published in November 2015. The results showed that current programs are clustered around the Highway 101 corridor.
- The Marin County Board of Supervisors and the MTA charged MBTF with the responsibility to support broadband adoption programs, with funding from the county budget along with funding from MTA. MBTF has 3 target communities for adoption programs including: The Canal Area neighborhood in San Rafael, the Hamilton section of Novato, and Marin City in the unincorporated area of Southern Marin. The Marin Telecommunications Agency, the County of Marin and other non-profits partnered to establish a ten computer lab in Marin City that is used for digital literacy training for low income youth and seniors/adults.
- Mendocino (BAMC) worked with 9 school districts to develop a digital literacy program and submitted the proposal for private funding (Bechtel and Cisco). Unfortunately, to date BAMC has not found funding for the program but efforts are ongoing. BAMC successfully applied to the CETF/Frontier grant program on behalf of the CAI Healthy Start. BAMC worked with the Laytonville Family Resource Center to facilitate participation in this program, and on June 28th were informed that they have been awarded the grant. The terms are from July 1, 2016 to June 30, 2018.
- Napa developed a two-year project plan to provide broadband access and adoption training to as many as 500 migrant workers who reside in the three county-owned and operated farm worker centers throughout the year– “*Napa County Farmworker Housing Centers: Two Year Broadband Adoption, Training and Access Program*”. Napa continues to look for funding to make the program operational.
- Sonoma County’s Guerneville Senior Center as part of ASB’s outreach program partnered with ATT on a tablet training session this quarter. The meeting was filled to capacity and a waiting list has generated the need for a follow up session for those unable to attend the first session. A follow-up survey indicated a need to conduct sessions on smart phone training. Comcast has been invited by school districts through discussions with Russian River Area Resource Advocates and ASB in West Sonoma County to attend school board meetings and present their Internet Essentials Program. Sonoma County has 46 independent school districts, many of which are in rural West County.
- **Three CASF Grants Pursued** --As a result of county team efforts three CASF Infrastructure grant applications were submitted.
 - Inyo Networks---Nicasio was approved; Race Communications---Occidental (Greater Joy Road) was approved; and,
 - Sea Ranch Association--- Sea Ranch has been rescinded, but it has gone ahead with its own implementation.
- **NON-CASF Projects Launched**--In other instances local providers stepped up to increase services, but without seeking a CASF grant.
 - Mendocino County--Assistance was offered to providers to develop CASF grant applications, and work began with Further Reach on an application that ultimately was not completed due to barriers. However, limited deployment has occurred in the following areas. Further Reach---Gualala, Point Arena, Albion; North Coast Internet (NCI)---Central-Inland Mendocino; SeaKay---Westport; and US Cellular---Central Northern Mendocino;
 - Sonic--in several communities in Marin and Sonoma counties.

Tahoe Basin Projects

- Began meeting with individual stakeholders from the public and private sector in order to facilitate the development and adoption of a Universal Dig Once Policy for the Lake Tahoe Basin. Initial in-person discussions have been with the Tahoe Regional Planning Agency and the Tahoe Transportation District. We're continuing to seek support from other applicable Basin jurisdictions, as well as reviewing plans, codes, and ordinances for existing language that would support a Dig Once policy.
- Drafting a Dig One Policy Subcommittee roster of representatives from all Basin jurisdictions and interested ISP's. The first meeting is slated to convene in early January. By bringing these various entities together we will raise understanding, awareness, and support for a Basin-wide Dig Once Policy. Subsequently, existing and potential public/private sector relationships will be formed and strengthened in this environment.
- Reviewed CASF grant applications for Inyo Networks' Alpine Peaks and Trans-Sierra projects. Reviewed challenges by incumbent Wireless Internet Service Providers (WISP) and provided data to applicant regarding Alpine Peaks project, which was subsequently rejected by the Communications Division. Provided liaison between applicant and the local public utilities district regarding the Trans-Sierra project, which is currently considered to be an inactive application due to delays.
- Met with the Sierra Business Council (SBC) to discuss Trans-Sierra project issues and to identify ways to reactivate the project. Also discussed SBC's new role as Fiscal Agent for the Gold County Broadband Consortium and how we could work together to revive the Trans-Sierra project, as it overlaps our two regions.
- Facilitated talks between Inyo Networks, CPUC, and the Alpine Peaks Homeowners Association (HOA) in order to address questions, comments, and concerns stemming from the CPUC's rejection of the Alpine Peaks project.
- Reestablished talks with Charter Communications as a means to address Kingswood West's status as an underserved area within Charter's service footprint. Charter is under a CPUC deadline to upgrade existing digital systems to a minimum of 60 Mbps by May 2017. TPC is looking into whether or not this ruling would apply to Kingswood West, as well as other areas around the Tahoe Basin.
- Reviewed infrastructure project alternatives, for both unaddressed areas, such as Kingswood West, and for areas impacted by stalled or rejected projects, such as the Tahoe Basin middle mile segments included in the Trans Sierra project.
- Met with ISPs to gauge interest in providing service to Rubicon/Meeks Bay and Kingswood West. Several ISP's have expressed interest in both middle and last mile projects in the Basin, namely FiWi Communications and Zayo Group. We're continuing to work with ISPs to explore ways to reduce projects costs, namely through identifying available public infrastructure, applying for CASF construction grants, and working with local jurisdiction to ease right-of-way restrictions.
- Continuing to seek out creative solutions for both Kingswood West and Rubicon/Meeks Bay, such as researching the feasibility of TPC constructing and owning broadband infrastructure (conduit and fiber), as well as the feasibility of creating Local Improvement Districts for localized fiber network installation.

- Reviewed conditions of approval for transactions involving AT&T, Charter, Frontier and Suddenlink, and developed alternatives and recommendations for leveraging the decisions/orders resulting from those proceedings.
- Reviewed shadow conduit/dig once policies, developed recommendations for moving forward, including discussion of ownership alternatives.
- Continued work with El Dorado County regarding its successful application for a planning grant from the Economic Development Administration.
- As the neutral convener and intermediary between the public landowners, regulatory agencies and the cell tower companies, the Tahoe Prosperity Center is continuing to move cell phone coverage expansion forward. In order to serve the recently updated annual visitor numbers of 24 million Tahoe visitors, new cell towers are needed in various sites throughout the Tahoe Basin. Three sites have been identified by the USFS for expansion this year and the TPC is currently working with the providers to determine the primary permittee for each location. We are currently facilitating co-location discussions for these three sites as well.
- In the next quarter we will host a Phase II meeting “Navigating the Permit Process” with all the partners and stakeholders in the expansion of cell service (Agency representatives and Cell Tower and Cell Provider representatives.)
- Conducted a Broadband Provider "Speed Dating" Forum in Northern Santa Barbara County. Acquired briefings of CAF deployment strategies

Attachment C. Letter Regarding Remaining Consortia Funds

STATE OF CALIFORNIA

Edmund G. Brown Jr., *Governor*

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



February 12, 2016

To: CASF Consortia Grantees
From: Communications Division, CPUC
Re: Remaining Consortia Funds

In Resolutions T-17355, T-17349, T-17445, T-17440, the Commission awarded grants to 16 consortia to promote broadband deployment, access, and adoption.¹ Most consortia were allowed a maximum of \$450,000 for three years, provided that they fulfilled the corresponding duties, rules and responsibilities outlined in the Resolutions. In response to individual consortium requests, some consortia were allowed an extension of up to one year to continue their programs and to submit reimbursement requests. Pacific Coast and North Bay/North Coast consortia, as well as the Tahoe Basin project did not request extensions, and are still implementing their original two-year programs.

The table below shows remaining funds for each consortium as well as dates of CASF grant conclusion-- see column labeled "Grant End Date." In some cases, the CASF grant funding has already ended, while others will wrap up in 2016.

CONSORTIUM	Date of Extension Request	CPUC Extension Granting Letter Date	Date Extension Effective	Grant End Date	Remaining Operating Funds as of 2/12/16	Pending Payment Requests
California 1Million/NIU	no request			2/15/2015	\$81,253 ²	Y3Q3&Q4
Central Coast	12/1/2014	1/21/2015	1/1/2015	12/31/2015	\$180,711	
Central Sierra	12/29/2014	3/23/2015	3/1/2015	2/29/2016	\$26,937	Y4Q3
Connected Capital	no request			2/15/2015	\$36,750	
East Bay	12/1/2014	2/2/2015	1/1/2015	12/31/2015	\$38,597	Y4Q4
Eastern Sierra	1/28/2015	4/8/2015	3/1/2015	2/29/2016	\$22,446	
Gold Country	1/14/2015	2/25/2015	3/1/2015	2/29/2016	\$19,424	
Inland Empire	1/31/2015	2/25/2015	3/1/2015	2/29/2016	\$0	
Los Angeles County	12/19/2014	4/8/2015	1/1/15	6/30/2015	\$23,040	
North Bay/North Coast	no request			6/15/2016	\$77,769	Y2Q2
Northeast	12/12/2014	1/21/2015	1/1/2015	12/31/2015	\$0	
Pacific Coast	no request			6/15/2016	\$183,133	Y2Q1
Redwood Coast	12/1/2014	1/26/2015	1/1/2015	12/31/2015	\$52,194	
San Diego Imperial	1/29/2015	2/25/2015	3/1/2015	2/29/2016	\$88,890	Y3Q4
San Joaquin Valley	12/14/2014	1/26/2015	1/1/2015	12/31/2015	\$64,031	Y3Q4,Y4Q1&Q2
Upstate	12/12/2014	1/21/2015	1/1/2015	12/31/2015	\$4,021	
Tahoe Basin	no request			5/15/2016	\$18,553.25	

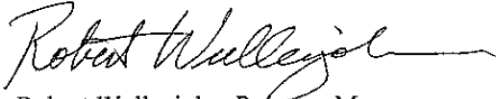
¹ The Tahoe Basin project is a distinct area within the Gold Country Consortium, and is additional to the 16 Consortia listed.

² As calculated from original allocation, not revised approvals.

Communications Division staff will continue to reimburse the implementation of Work Plan activities through the end of each consortium's program period. Unspent funds remaining beyond the date indicated will be redirected into the consortia general account to be used for the next funding cycle for approved applications.³

Given the administrative obligations inherent in commencing a new grant cycle, new grant requirements and general CASF resource constraints, Communications Division will not add a fifth year to current funding, or a third year for the three programs mentioned above.⁴

Sincerely,



Robert Wullenjohn, Program Manager
Broadband, Policy & Analysis Branch
Communications Division

³ All current consortia and other interested parties were provided guidelines for submitting applications on January 29, 2016 for new funding.

⁴ Pacific Coast Broadband Consortium, North Bay/North Coast Consortium, Tahoe Basin Project (Gold Country Consortium).

Table x. Approved CASF Public Housing Infrastructure Grants (As of 12/31/2016)⁵⁷

Projects Approved									
Built Projects*									
Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
1	Abode Communities	Laurel Village	Los Angeles	91331	80	\$36,000	\$0	\$29,370	\$29,370
2	Affordable Housing Access	Villa Mirage	Rancho Mirage	92270	98	\$0	\$44,100	\$0	\$0
3	Affordable Housing Alliance II, Inc. dba Integrity Housing	Dudley Street Senior Apartments	Pomona	91766	84	\$0	\$37,350	\$0	\$0
4	Affordable Housing Alliance II, Inc. dba Integrity Housing	Guest House	Santa Ana	92705	72	\$0	\$32,400	\$0	\$0
5	Affordable Housing Alliance II, Inc. dba Integrity Housing	Rocky Hill Veterans	Vacaville	95688	39	\$0	\$23,400	\$0	\$0
6	Better Opportunity Builders (BOB)	Brierwood	Fresno	93722	50	\$0	\$47,730	\$0	\$0
7	Better Opportunity Builders (BOB)	Villa Del Mar	Fresno	93704	48	\$28,080	\$0	\$7,020	\$7,020
8	Burbank Housing Development Corp.	Crossroads Apartments	Santa Rosa	95407	79	\$0	\$35,288	\$0	\$0
9	Burbank Housing Development Corp.	Parklane Apartments	Petaluma	94952	90	\$0	\$39,875	\$38,710	\$38,710
10	Butterfield Retirement LP	Butterfield Retirement	Morgan Hill	95037	114	\$0	\$34,020	\$0	\$0
11	Cabrillo Economic Development Corporation	Montgomery Oaks	Ojai	93023	21	\$12,600	\$0	\$0	\$3,063
12	Cabrillo Economic Development Corporation	Valle Naranjal Farmwork Housing	Piru	93040	68	\$30,600	\$0	\$0	\$9,138
13	Chinatown Community Development Center	227 Bay	San Francisco	94133	50	\$0	\$22,313	\$0	\$0
14	Chinatown Community Development Center	990 Pacific	San Francisco	94133	92	\$0	\$40,120	\$0	\$0
15	Community Housing Works	Cypress Cove	Escondido	92027	200	\$0	\$85,000	\$0	\$0
16	Community Housing Works	Mayberry Townhomes	San Diego	92113	70	\$0	\$40,250	\$0	\$0
17	Community Housing Works	Northwest Manors II (Mountain)	Pasadena	91104	26	\$0	\$15,600	\$0	\$0
18	Community Housing Works	Northwest Manors II (Raymond)	Pasadena	91103	18	\$0	\$10,800	\$0	\$0
19	CONCERNED CITIZENS OF SOUTH CENTRAL	1410 Apartments	Los Angeles	90011	12	\$7,192	\$0	\$0	\$0
20	CONCERNED CITIZENS OF SOUTH CENTRAL	Central Avenue Village Apartments	Los Angeles	90011	45	\$24,438	\$0	\$0	\$0
21	CONCERNED CITIZENS OF SOUTH CENTRAL	Gwen Bolden Manor	Los Angeles	90011	24	\$14,399	\$0	\$0	\$0
22	CONCERNED CITIZENS OF SOUTH CENTRAL	Juanita Tate Legacy Towers	Los Angeles	90011	118	\$34,882	\$0	\$0	\$0
23	CONCERNED CITIZENS OF SOUTH CENTRAL	ONE WILKINS PLACE	Los Angeles	90011	18	\$10,605	\$0	\$0	\$0
24	CONCERNED CITIZENS OF SOUTH CENTRAL	Roberta II	Los Angeles	90011	40	\$22,255	\$0	\$0	\$0
25	CONCERNED CITIZENS OF SOUTH CENTRAL	Roberta Stephens Apartments I	Los Angeles	90011	40	\$22,255	\$0	\$0	\$0
26	Deep Green Housing and Community Development	Broadway Village II	Los Angeles	90037	50	\$19,900	\$0	\$12,275	\$18,650
27	EAH	Floral Gardens	Selma	93662	56	\$23,140	\$0	\$7,800	\$7,800

* Projects may be built by end of calendar year 2016, but completion report and full payment made in 2017

⁵⁷ Local assistance expenditure/encumbrance information captured when expenditure/encumbrance made and validated with CALSTARS fiscal reports.

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
28	EAH	Fountain West	Fresno	93705	72	\$30,793	\$0	\$10,363	\$10,363
29	EAH	Palm Court	San Jose	95110	66	\$26,128	\$0	\$26,098	\$26,098
30	EAH	Riviera	San Rafael	94901	28	\$13,033	\$0	\$12,333	\$12,333
31	EAH	Rodeo Gateway	Rodeo	94572	50	\$17,175	\$0	\$15,313	\$15,313
32	EAH	San Clemente	Corte Madera	94925	79	\$31,923	\$0	\$29,736	\$29,736
33	EAH	Silver Oak	Oakley	94561	24	\$12,573	\$0	\$12,573	\$12,573
34	EAH	The Oaks Apartments	Walnut Creek	94597	36	\$15,428	\$0	\$4,838	\$4,838
35	EAH	Turina House	San Rafael	94903	28	\$12,533	\$0	\$11,833	\$11,833
36	EAH	Vista Park I	San Jose	95136	83	\$30,608	\$0	\$30,493	\$30,493
37	EAH	Vista Park II	San Jose	95136	83	\$30,608	\$0	\$30,493	\$30,493
38	EAH Housing	Buchanan Park	San Francisco	94115	68	\$0	\$30,125	\$0	\$0
39	EAH Housing	Casa Adobe	San Pablo	94806	54	\$0	\$21,288	\$0	\$0
40	EAH Housing	Centertown	San Rafael	94901	60	\$0	\$26,638	\$0	\$0
41	EAH Housing	Don De Dios	San Jose	95122	70	\$0	\$31,263	\$0	\$0
42	EAH Housing	Drakes Way	Larkspur	94939	24	\$0	\$13,833	\$0	\$0
43	EAH Housing	Elena Gardens	San Jose	95132	168	\$0	\$66,860	\$0	\$0
44	EAH Housing	Golden Oaks	Oakley	94561	50	\$0	\$29,225	\$0	\$0
45	EAH Housing	Pollard Plaza	San Jose	95122	130	\$0	\$49,650	\$0	\$0
46	East Bay Asian Local Development Corporation	Avalon Senior	Emeryville	94608	67	\$0	\$27,925	\$0	\$0
47	East Bay Asian Local Development Corporation	Drasnin Manor	Oakland	94601	26	\$0	\$13,633	\$0	\$0
48	East Bay Asian Local Development Corporation	Effie's House	Oakland	94606	21	\$0	\$12,175	\$0	\$0
49	East Bay Asian Local Development Corporation	Giant Road	San Pablo	94806	86	\$0	\$38,115	\$0	\$0
50	East Bay Asian Local Development Corporation	Hugh Taylor House	Oakland	94621	43	\$0	\$20,848	\$0	\$0
51	East Bay Asian Local Development Corporation	Jack London Gateway Senior	Oakland	94607	61	\$19,865	\$0	\$8,163	\$8,163
52	East Bay Asian Local Development Corporation	Lillie Mae Jones	Richmond	94801	26	\$0	\$11,580	\$0	\$0
53	East Bay Asian Local Development Corporation	Madison Park	Oakland	94607	98	\$0	\$42,605	\$0	\$0
54	East Bay Asian Local Development Corporation	Madrone Hotel	Oakland	94607	32	\$0	\$18,088	\$0	\$0
55	East Bay Asian Local Development Corporation	Marcus Garvey	Oakland	94607	22	\$0	\$13,050	\$0	\$0
56	East Bay Asian Local Development Corporation	Oak Park	Oakland	94601	35	\$0	\$16,975	\$0	\$0
57	East Bay Asian Local Development Corporation	Prosperity Place (aka 1110 Jackson)	Oakland	94607	71	\$0	\$31,501	\$993	\$993

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
58	East Bay Asian Local Development Corporation	San Pablo Hotel	Oakland	94612	144	\$0	\$42,980	\$0	\$0
59	East Bay Asian Local Development Corporation	Seven Directions	Oakland	94601	36	\$13,753	\$0	\$10,853	\$10,853
60	East Bay Asian Local Development Corporation	Slim Jenkins Court	Oakland	94607	32	\$0	\$15,300	\$0	\$0
61	East Bay Asian Local Development Corporation	Swans Market	Oakland	94607	18	\$0	\$10,175	\$0	\$0
62	Eden Housing, Inc	Eden Essei Terrace	Hayward	94544	100	\$0	\$36,575	\$0	\$0
63	Eden Housing, Inc	Hayward Senior	Hayward	94541	60	\$0	\$24,375	\$0	\$0
64	Eden Housing, Inc	Josephine Lum Lodge AB	Hayward	94545	78	\$0	\$31,983	\$0	\$0
65	Eden Housing, Inc	Josephine Lum Lodge CD	Hayward	94545	72	\$0	\$29,505	\$0	\$0
66	Eden Housing, Inc	The Altenheim	Oakland	94602	174	\$52,123	\$0	\$0	\$0
67	Eden Housing, Inc	Warner Creek	Novato	94947	61	\$0	\$25,358	\$0	\$0
68	Eden Housing, Inc.	Jasmine Square	Morgan Hill	95037	72	\$0	\$28,029	\$0	\$0
69	Eden Housing, Inc.	Monticelli	Gilroy	95020	52	\$0	\$23,195	\$0	\$0
70	Eden Housing, Inc.	Rancho Park	Hollister	95023	54	\$0	\$24,195	\$0	\$0
71	Eden Housing, Inc.	Royal Court	Morgan Hill	95037	55	\$0	\$19,028	\$0	\$0
72	Eden Housing, Inc.	Sequoia Manor	Fremont	94538	81	\$0	\$33,975	\$0	\$0
73	Eden Housing, Inc.	Wheeler Manor 650 5th	Gilroy	95020	21	\$0	\$10,151	\$0	\$0
74	Eden Housing, Inc.	Wheeler Manor 651 6th	Gilroy	95020	90	\$0	\$35,708	\$0	\$0
75	Eden South Bay, Inc.	Camphora Apartments	Soledad	93960	44	\$26,198	\$0	\$26,198	\$26,198
76	Episcopal Community Services of San Francisco	Bishop Swing Community House	San Francisco	94103	135	\$38,685	\$0	\$18,350	\$18,350
77	Episcopal Community Services of San Francisco	Canon Barcus Community House	San Francisco	94103	48	\$21,408	\$0	\$6,588	\$6,588
78	Episcopal Community Services of San Francisco	Canon Kip Community House	San Francisco	94103	104	\$30,848	\$0	\$13,838	\$13,838
79	First Community Housing	Bay Avenue Senior	Capitola	95010	109	\$32,655	\$0	\$26,148	\$26,148
80	First Community Housing	Betty Ann Gardens	San Jose	95133	76	\$29,428	\$0	\$29,048	\$29,048
81	First Community Housing	Casa Feliz Studios	San Jose	95112	60	\$22,700	\$0	\$7,050	\$16,200
82	First Community Housing	Craig Gardens	San Jose	95008	90	\$26,100	\$0	\$13,400	\$25,425
83	First Community Housing	Creekview Inn	San Jose	95133	25	\$8,150	\$0	\$8,025	\$8,025
84	First Community Housing	Curtner Studios	San Jose	95125	179	\$0	\$53,533	\$0	\$0
85	First Community Housing	El Paseo	San Jose	95130	98	\$33,433	\$0	\$19,496	\$32,733
86	First Community Housing	Guadalupe Apartments	San Jose	95110	23	\$13,583	\$0	\$12,468	\$12,468
87	First Community Housing	Los Esteros	San Jose	95131	246	\$66,690	\$0	\$31,865	\$63,340
88	First Community Housing	Murphy Ranch	Morgan Hill	95037	100	\$34,838	\$0	\$1	\$33,038

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
89	First Community Housing	Orchard Gardens	Sunnyvale	94089	62	\$21,680	\$0	\$17,330	\$17,330
90	First Community Housing	Paula Apartments	San Jose	95126	21	\$10,152	\$0	\$10,046	\$10,046
91	First Community Housing	Troy Apartments	San Jose	95110	30	\$16,475	\$0	\$15,425	\$15,425
92	First Community Housing	Villa Montgomery	Redwood City	94063	58	\$18,845	\$0	\$10,395	\$18,395
93	Global CVCAH	Bay Family	Moreno Valley	92553	61	\$0	\$26,840	\$0	\$0
94	Global CVCAH	Clinton Apartments	Mecca	92254	59	\$0	\$25,960	\$0	\$0
95	Global CVCAH	La Amistad	Mendota	93640	81	\$0	\$35,640	\$0	\$0
96	Global CVCAH	Lincoln Family	Mecca	92254	57	\$0	\$25,080	\$0	\$0
97	Global CVCAH	Meridian Family	Sacramento	95828	47	\$0	\$25,850	\$0	\$0
98	Global CVCAH	Mirage Vista	Pixley	93256	55	\$0	\$24,200	\$0	\$0
99	Global CVCAH	Perris Isle Senior	Moreno Valley	92553	189	\$0	\$85,050	\$0	\$0
100	Global CVCAH	Sunnyview I	Delano	93215	70	\$0	\$29,750	\$0	\$0
101	Global CVCAH	Sunnyview II	Delano	93215	70	\$0	\$29,750	\$0	\$0
102	HIP Housing	Edgewater Isle	San Mateo	94401	92	\$29,343	\$0	\$21,893	\$21,893
103	Housing Authority of Fresno County	Maldonado Migrant Center	Firebaugh	93622	64	\$28,800	\$0	\$7,200	\$7,200
104	Housing Authority of the City of Fresno, CA	Dayton Square	Fresno	93726	66	\$29,370	\$0	\$7,343	\$7,343
105	Housing Authority of the City of Fresno, CA	El Cortez	Fresno	93726	48	\$27,840	\$0	\$6,960	\$6,960
106	Housing Authority of the City of Los Angeles	Independent Towers	Los Angeles	90018	196	\$58,698	\$0	\$58,690	\$58,690
107	Housing Authority of the City of Los Angeles	San Fernando Gardens	Pacoima	91331	448	\$0	\$200,978	\$0	\$0
108	Housing Authority of the City of Los Angeles	Union Towers	Los Angeles	90017	200	\$60,000	\$0	\$59,970	\$59,970
109	Housing Authority of the City of San Buenaventura	Buena Vida Family	Ventura	93004	20	\$0	\$11,925	\$0	\$0
110	Housing Authority of the City of San Buenaventura	Westview	Ventura	93001	100	\$0	\$44,963	\$0	\$0
111	Housing Authority of the County of Kern	Arivn FLC	Bakersfield	93307	88	\$0	\$74,800	\$0	\$0
112	Housing Authority of the County of Kern	Baker Street	Bakersfield	93305	37	\$0	\$22,200	\$5,550	\$5,550
113	Housing Authority of the County of Kern	Green Gardens	Bakersfield	93307	104	\$0	\$31,200	\$0	\$0
114	Housing Authority of the County of Kern	Homer Harrison	Delano	93215	50	\$0	\$30,000	\$7,500	\$7,500
115	Housing Authority of the County of Kern	Monterey St	Bakersfield	93305	16	\$0	\$15,808	\$0	\$0
116	Housing Authority of the County of Kern	Park Place Apartments	Bakersfield	93301	80	\$0	\$36,000	\$9,000	\$9,000
117	Housing Authority of the County of Kern	Parkview	Arvin	93203	28	\$0	\$27,300	\$0	\$0
118	Housing Authority of the County of Kern	Pinewood Glen	Bakersfield	93309	110	\$0	\$33,000	\$8,250	\$8,250

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
119	Housing Authority of the County of Kern	Plaza Towers	Bakersfield	93304	117	\$0	\$35,100	\$8,775	\$8,775
120	Housing Authority of the County of Kern	Plaza Towers Annex	Bakersfield	93304	82	\$0	\$36,900	\$9,225	\$9,225
121	Housing Authority of the County of Kern	Quincy St. Apartments	Delano	93215	32	\$0	\$19,200	\$4,800	\$4,800
122	Housing Authority of the County of Kern	Residence at Old Town Kern	Bakersfield	93305	30	\$0	\$18,000	\$4,500	\$4,500
123	Housing Authority of the County of Kern	Residence at West Columbus	Bakersfield	93301	50	\$0	\$30,000	\$7,500	\$7,500
124	Housing Authority of the County of Kern	Village Congressional	Arvin	93203	60	\$0	\$51,000	\$0	\$0
125	Housing Authority of the County of Kern	Village Park Apartments	Bakersfield	93301	60	\$0	\$27,000	\$6,750	\$6,750
126	Housing Authority of the County of San Bernardino	1077 & 1079 W. 11th Street	San Bernardino	92411	2	\$0	\$1,191	\$0	\$0
127	Housing Authority of the County of San Bernardino	1297 & 1299 Turrill Ave	San Bernardino	92411	2	\$0	\$1,191	\$0	\$0
128	Housing Authority of the County of San Bernardino	1315-1325 N. Davidson	San Bernardino	92411	6	\$0	\$3,599	\$0	\$0
129	Housing Authority of the County of San Bernardino	1470 Lynwood	San Bernardino	92404	15	\$0	\$8,960	\$0	\$0
130	Housing Authority of the County of San Bernardino	1738 W 9th St - Maplewood Homes	San Bernardino	92411	296	\$0	\$74,999	\$0	\$0
131	Housing Authority of the County of San Bernardino	205-211 2nd Street	San Bernardino	92408	4	\$0	\$2,400	\$0	\$0
132	Housing Authority of the County of San Bernardino	2165 West Mill Street	San Bernardino	92410	10	\$0	\$5,907	\$0	\$0
133	Housing Authority of the County of San Bernardino	217-227 4th Street	San Bernardino	92410	6	\$0	\$3,599	\$0	\$0
134	Housing Authority of the County of San Bernardino	224 Merrill Apartments	Rialto	92376	24	\$0	\$14,297	\$0	\$0
135	Housing Authority of the County of San Bernardino	2265 Canyon Villas	Colton	92324	46	\$0	\$22,352	\$0	\$0
136	Housing Authority of the County of San Bernardino	4181 North E Street	San Bernardino	92407	24	\$0	\$14,397	\$0	\$0
137	Housing Authority of the County of San Bernardino	501 E Virginia Way - Sunset Pointe	Barstow	92311	144	\$0	\$43,200	\$0	\$0
138	Housing Authority of the County of San Bernardino	539 B Street, Colton	Colton	92324	40	\$0	\$19,828	\$0	\$0
139	Housing Authority of the County of San Bernardino	630 & 632 J Street	San Bernardino	92411	2	\$0	\$1,191	\$0	\$0
140	Housing Authority of the County of San Bernardino	725 Brockton	Redlands	92374	8	\$0	\$4,766	\$0	\$0
141	Housing Authority of the County of San Bernardino	753 Evans	San Bernardino	92405	24	\$0	\$14,397	\$0	\$0
142	Housing Authority of the County of San Bernardino	754-776 N. Berkeley Street	San Bernardino	92410	6	\$0	\$3,599	\$0	\$0
143	Housing Authority of the County of San Bernardino	755 E Virginia Way - Sunrise Vista	Barstow	92311	156	\$0	\$46,800	\$0	\$0
144	Housing Authority of the County of San Bernardino	772 Pine Street, Colton	Colton	92324	85	\$0	\$38,159	\$0	\$0
145	Housing Authority of the County of San Bernardino	8181 Redwood Terrace	Fontana	92335	68	\$0	\$30,507	\$0	\$0
146	Housing Authority of the County of San Bernardino	8980 Date St - Las Palmas	Fontana	92335	16	\$0	\$9,531	\$0	\$0
147	Housing Authority of the County of San Bernardino	Stone Creek 14	Loma Linda	92354	14	\$0	\$8,390	\$0	\$0
148	Housing Authority of the County of San Bernardino	Stone Creek 20	Loma Linda	92354	20	\$0	\$11,914	\$0	\$0

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
149	Housing Authority of the County of San Bernardino	Stone Creek 8	Loma Linda	92354	8	\$0	\$4,766	\$0	\$0
150	Housing Authority of the County of Santa Barbara	Lompoc Gardens I	Lompoc	93436	40	\$0	\$33,800	\$0	\$0
151	Housing Authority of the County of Santa Barbara	Lompoc Gardens II	Lompoc	93436	35	\$0	\$33,075	\$0	\$0
152	Housing Authority of the County of Santa Barbara	Miller Plaza	Lompoc	93436	24	\$0	\$22,128	\$0	\$0
153	Housing Authority of the County of Santa Barbara	Parkside Garden Apartments	Lompoc	93436	48	\$0	\$28,800	\$0	\$0
154	LONG BEACH AFFORDABLE HOUSING COALITION	BEVERLY MANOR	LOS ANGELES	90302	59	\$26,550	\$0	\$15,932	\$15,932
155	LONG BEACH AFFORDABLE HOUSING COALITION	GRACE MANOR	CARSON	90745	38	\$21,517	\$0	\$12,286	\$12,286
156	LONG BEACH AFFORDABLE HOUSING COALITION	METRO WEST APARTMENTS	Los Angeles	90247	40	\$18,176	\$0	\$8,576	\$8,576
157	LONG BEACH AFFORDABLE HOUSING COALITION	VERMONT AVENUE APARTMENTS	GARDENA	90247	32	\$19,184	\$0	\$11,063	\$11,063
158	Mary Elizabeth Inn	Mary Elizabeth Inn	San Francisco	94109	92	\$0	\$40,271	\$0	\$0
159	Mary Elizabeth Inn	The Verona	San Francisco	94102	65	\$0	\$28,278	\$0	\$0
160	Mercy Housing California	Land Park Woods	Sacramento	95818	75	\$0	\$33,675	\$0	\$0
161	Mercy Housing California	Mather Veterans Village	Mather	95655	50	\$21,663	\$0	\$16,415	\$16,415
162	Mercy Housing California	Sunset Valley Duplexes	Wheatland	95692	88	\$31,520	\$0	\$9,220	\$21,320
163	Mercy Housing Calwest	1880 Pine	San Francisco	94109	113	\$0	\$33,718	\$0	\$0
164	Mercy Housing Calwest	2698 California	San Francisco	94115	40	\$0	\$18,713	\$0	\$0
165	Mercy Housing Calwest	345 Arguello	San Francisco	94118	69	\$0	\$22,343	\$0	\$0
166	Mercy Housing Calwest	JFK Towers	San Francisco	94115	98	\$0	\$43,645	\$0	\$0
167	MidPen Housing	Celestina Gardens	Sonoma	95476	40	\$0	\$22,589	\$0	\$0
168	MidPen Housing	Fettters Apartments	Sonoma	95476	60	\$0	\$26,770	\$0	\$0
169	MidPen Housing	St. Stephens Senior Housing	Santa Cruz	95062	40	\$0	\$23,509	\$0	\$0
170	MidPen Housing Corporation	Donner Lofts	San Jose	95112	102	\$30,443	\$0	\$30,443	\$30,443
171	MidPen Housing Corporation	Foster Square	Foster City	94404	66	\$28,833	\$0	\$28,833	\$28,833
172	MidPen Housing Corporation	Laguna Commons	Fremont	94538	64	\$0	\$28,752	\$28,432	\$28,432
173	Mid-Peninsula The Farm, Inc	University Avenue Senior	East Palo Alto	94303	41	\$0	\$24,193	\$0	\$0
174	Mid-Peninsula The Farm, Inc.	6800 Mission	Daly City	94014	52	\$0	\$23,400	\$9,799	\$9,799
175	Mid-Peninsula The Farm, Inc.	Onizuka Crossing	Sunnyvale	94085	58	\$23,572	\$0	\$23,572	\$23,572
176	Mid-Peninsula The Farm, Inc.	Sequoia Belle Haven	Menlo Park	94025	90	\$0	\$39,794	\$0	\$0
177	Mutual Housing California	Lemon Hill Townhomes	Sacramento	95824	74	\$31,885	\$0	\$8,135	\$30,035
178	Mutual Housing California	Los Robles	Sacramento	95823	80	\$35,288	\$0	\$9,606	\$34,293

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
179	Mutual Housing California	Mutual Housing at Foothill Farms	Sacramento	95841	98	\$0	\$43,575	\$0	\$0
180	Napa Valley Community Housing	Arroyo Grande Villas	Yountville	94599	25	\$0	\$20,625	\$0	\$0
181	Napa Valley Community Housing	Magnolia Park Townhomes	Napa	94559	29	\$0	\$23,925	\$0	\$0
182	Napa Valley Community Housing	Mayacamas Village	Napa	94559	51	\$0	\$41,565	\$0	\$0
183	Napa Valley Community Housing	Napa Park Homes	Napa	94558	140	\$0	\$63,700	\$0	\$0
184	Napa Valley Community Housing	Oak Creek Terrace	Napa	94558	41	\$0	\$30,955	\$0	\$0
185	Napa Valley Community Housing	Pecan Court Apartments	Napa	94559	25	\$0	\$23,875	\$0	\$0
186	Napa Valley Community Housing	Silverado Creek Apartments	Napa	94558	102	\$0	\$66,810	\$0	\$0
187	Napa Valley Community Housing	The Reserve of Napa	Napa	94558	117	\$0	\$64,350	\$0	\$0
188	Napa Valley Community Housing	Villa de Adobe Apartments	Napa	94559	16	\$0	\$15,600	\$0	\$0
189	Peoples' Self-Help Housing	Canyon Creek Apartments	Paso Robles	93401	68	\$0	\$30,600	\$0	\$0
190	Peoples' Self-Help Housing	Cawelti Court	Arroyo Grande	93420	28	\$0	\$16,800	\$0	\$0
191	Peoples' Self-Help Housing	College Park	Lompoc	93462	35	\$0	\$21,000	\$5,250	\$5,250
192	Peoples' Self-Help Housing	Courtland Street Apartments	Arroyo Grande	93420	36	\$0	\$21,600	\$5,400	\$5,400
193	Peoples' Self-Help Housing	Creekside Gardens	Paso Robles	93401	29	\$0	\$17,400	\$0	\$0
194	Peoples' Self-Help Housing	Dahlia Court	Carpinertia	93013	55	\$0	\$52,250	\$0	\$0
195	Peoples' Self-Help Housing	Dahlia Court II	Carpinteria	93013	33	\$0	\$31,350	\$0	\$0
196	Peoples' Self-Help Housing	El Patio Hotel	Ventura	93001	42	\$0	\$25,200	\$0	\$0
197	Peoples' Self-Help Housing	Isle Vista Apartments	Isla Vista	93117	56	\$0	\$30,800	\$0	\$0
198	Peoples' Self-Help Housing	Lachen Tara	Avila Beach	93424	29	\$0	\$17,400	\$0	\$0
199	Peoples' Self-Help Housing	Ladera Street Apartments	Santa Barbara	93101	51	\$0	\$28,050	\$0	\$0
200	Peoples' Self-Help Housing	Los Adobes de Maria I	Santa Maria	93458	65	\$0	\$29,250	\$7,312	\$7,312
201	Peoples' Self-Help Housing	Los Adobes de Maria II	Santa Maria	93458	52	\$0	\$23,400	\$5,850	\$5,850
202	Peoples' Self-Help Housing	Los Robles Terrace	Paso Robles	93446	40	\$0	\$24,000	\$0	\$0
203	Peoples' Self-Help Housing	Mariposa Town Homes	Orcutt	93455	80	\$0	\$76,000	\$0	\$0
204	Peoples' Self-Help Housing	Ocean View Manor	Morro Bay	93442	40	\$0	\$24,000	\$0	\$0
205	Peoples' Self-Help Housing	Oceanside Gardens	Morro Bay	93442	21	\$0	\$12,600	\$0	\$0
206	Peoples' Self-Help Housing	Pacific View Apartments	Morro Bay	93442	26	\$0	\$15,600	\$0	\$0
207	Peoples' Self-Help Housing	River View Townhomes	Guadalupe	93434	80	\$0	\$36,000	\$0	\$0
208	Peoples' Self-Help Housing	Rolling Hills Apartments	Templeton	93465	53	\$0	\$49,025	\$0	\$0

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
209	Peoples' Self-Help Housing	Schoolhouse Lane Apartments	Cambria	93428	24	\$0	\$14,400	\$3,600	\$3,600
210	Peoples' Self-Help Housing	Storke Ranch Apartments	Goleta	93117	36	\$0	\$27,180	\$0	\$0
211	Peoples' Self-Help Housing	Templeton Place	Templeton	93465	29	\$0	\$17,400	\$4,350	\$4,350
212	Peoples' Self-Help Housing	The Villas at Higuera	San Luis Obispo	93401	28	\$0	\$16,800	\$0	\$0
213	Peoples' Self-Help Housing	Victoria Hotel	Santa Barbara	93101	28	\$0	\$16,800	\$4,200	\$4,200
214	Peoples' Self-Help Housing	Victoria Street Bungalows	Santa Barbara	93101	16	\$0	\$15,200	\$0	\$0
215	Peoples' Self-Help Housing	Villa La Esperanza	Goleta	93117	83	\$0	\$53,950	\$0	\$0
216	PEP Housing	10 Toussin	Kentfield	94904	13	\$7,557	\$0	\$0	\$6,492
217	PEP Housing	1275 Lindberg	Petaluma	94954	16	\$8,296	\$0	\$0	\$7,161
218	PEP Housing	167 Edith	Petaluma	94952	24	\$10,675	\$0	\$0	\$9,300
219	PEP Housing	210 Douglas	Petaluma	94952	24	\$10,287	\$0	\$0	\$9,197
220	PEP Housing	575 Vallejo	Petaluma	94952	45	\$16,822	\$0	\$0	\$14,566
221	PEP Housing	579 Vallejo	Petaluma	94952	40	\$12,295	\$0	\$0	\$11,419
222	PEP Housing	Casa Grande	Petaluma	94954	58	\$24,029	\$0	\$20,619	\$20,619
223	PEP Housing	Caulfield Lane	Petaluma	94954	22	\$12,501	\$0	\$9,661	\$9,661
224	PEP Housing	Mountain View	Petaluma	94952	24	\$10,087	\$0	\$9,617	\$9,617
225	Satellite Affordable Housing Associates	Columbia Park Manor	Pittsburg	94565	79	\$0	\$21,162	\$0	\$0
226	Satellite Affordable Housing Associates	Lakeside Senior Apartments	Oakland	94606	100	\$0	\$23,173	\$0	\$0
227	Satellite Affordable Housing Associates	Lawrence Moore	Berkeley	94706	46	\$0	\$15,977	\$0	\$0
228	Satellite Affordable Housing Associates	Linda Glen	Oakland	94611	42	\$0	\$15,238	\$0	\$0
229	Satellite Affordable Housing Associates	Otterbein Manor	Oakland	94618	44	\$0	\$15,598	\$0	\$0
230	Satellite Affordable Housing Associates	Sacramento Senior Homes	Berkeley	94703	40	\$0	\$16,535	\$0	\$0
231	Satellite Affordable Housing Associates (SAHA)	Amistad House	Oakland	94709	60	\$0	\$22,235	\$0	\$0
232	Satellite Affordable Housing Associates (SAHA)	Beth Asher	Oakland	94602	50	\$0	\$30,125	\$0	\$0
233	Satellite Affordable Housing Associates (SAHA)	Petaluma Avenue Homes	Sebastopol	95472	45	\$0	\$17,994	\$0	\$0
234	Satellite Affordable Housing Associates (SAHA)	Satellite Central	Oakland	94612	152	\$0	\$33,461	\$0	\$0
235	Satellite Affordable Housing Associates (SAHA)	Stuart Pratt	Berkeley	94704	44	\$0	\$26,638	\$0	\$0
236	Satellite Affordable Housing Associates (SAHA)	Valdez Plaza	Oakland	94611	150	\$0	\$29,400	\$0	\$0
237	Self Help Enterprises	ALMOND COURT PARTNERS	Wasco	93280	36	\$21,600	\$0	\$21,600	\$21,600
238	Self Help Enterprises	CALIENTE CREEK PARTNERS	ARVIN	93203	46	\$27,600	\$0	\$27,600	\$27,600

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
239	Self Help Enterprises	NORTH PARK APARTMENTS HOUSING CORPORATION	BAKERSFIELD	93308	104	\$31,200	\$0	\$31,200	\$31,200
240	Self Help Enterprises	RANCHO LINDO PARTNERS	LAMONT	93241	44	\$0	\$35,200	\$26,400	\$26,400
241	Self Help Enterprises	ROLLINGHILLS PARTNERS	NEWMAN	95360	52	\$0	\$28,600	\$21,450	\$21,450
242	Self Help Enterprises	SOLINAS VILLAGE aka SELF HELP COMMUNITIES 1, LLC	MCFARLAND	93250	52	\$0	\$35,100	\$26,325	\$26,325
243	Self Help Enterprises	SUNRISE VILLA PARTNERS	WASCO	93280	44	\$26,400	\$0	\$26,400	\$26,400
244	Self Help Enterprises	VILLA HERMOSA PARTNERS	WASCO	93280	40	\$24,000	\$0	\$24,000	\$24,000
245	Self Help Enterprises	WASHINGTON PLAZA PARTNERS	EARLIMART	93219	44	\$26,400	\$0	\$26,400	\$26,400
246	Self-Help Enterprises	Cottonwood Creek	Madera	93637	40	\$22,800	\$0	\$22,800	\$22,800
247	Self-Help Enterprises	Lincoln Plaza	Hanford	93230	48	\$24,000	\$0	\$24,000	\$24,000
248	Self-Help Enterprises	Villa Del Rey	Del Rey	93616	48	\$28,800	\$0	\$28,800	\$28,800
249	Silvercrest, Inc. (non-profit)	Inyo Terrace	Fresno	93727	44	\$25,960	\$0	\$6,490	\$6,490
250	Silvercrest, Inc. (non-profit)	Pacific Gardens	Fresno	93727	56	\$0	\$28,800	\$0	\$0
251	Silvercrest, Inc. (non-profit)	Parc Grove Commons	Fresno	93703	215	\$64,400	\$0	\$64,400	\$64,400
252	Silvercrest, Inc. (non-profit)	Parc Grove Northwest	Fresno	93703	148	\$43,560	\$0	\$43,560	\$43,560
253	Silvercrest, Inc. (non-profit)	Yosemite Village	Fresno	93706	69	\$0	\$44,850	\$0	\$0
254	Surf Development Company	Central Plaza	Santa Maria	93454	112	\$0	\$61,040	\$0	\$0
255	Surf Development Company	Cypress Court	Lompoc	93436	60	\$0	\$27,000	\$0	\$0
256	Surf Development Company	Leland Park	Orcutt	93455	16	\$0	\$15,600	\$0	\$0
257	Surf Development Company	Palm Grove	Lompoc	93436	40	\$0	\$37,800	\$0	\$0
258	Surf Development Company	Parkview Apartments	Goleta	93117	20	\$0	\$15,210	\$0	\$0
259	Surf Development Company	Pescadero Lofts	Goleta	93117	33	\$0	\$19,173	\$0	\$0
260	Surf Development Company	Sandpiper Apartments	Goleta	93117	68	\$0	\$30,600	\$0	\$0
261	Surf Development Company	Santa Rita Village I	Lompoc	93436	36	\$0	\$21,600	\$0	\$0
262	Surf Development Company	Ted Zenich Gardens	Santa Maria	93454	24	\$0	\$14,400	\$0	\$0
263	Sutter Community Affordable Housing	Kristen Court Apartments	Live Oak	95953	56	\$0	\$25,038	\$0	\$0
264	Swords to Plowshares Veterans Rights Organization	The Fairfax Hotel	San Francisco	94109	43	\$9,353	\$0	\$0	\$8,909
265	Swords to Plowshares Veterans Rights Organization	The Stanford Hotel	San Francisco	94108	130	\$5,144	\$0	\$0	\$4,462
266	Tenderloin Neighborhood Development Corporation	Curran House	San Francisco	94102	67	\$0	\$24,966	\$0	\$0
267	Tenderloin Neighborhood Development Corporation	Dalt Hotel	San Francisco	94102	179	\$0	\$45,574	\$0	\$0
268	Tenderloin Neighborhood Development Corporation	Ritz Hotel	San Francisco	94102	88	\$0	\$30,252	\$0	\$0

Item	RECIPIENT	PROJECT	CITY	ZIP	UNITS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
269	Tenderloin Neighborhood Development Corporation	SOMA Family Apartments	San Francisco	94103	74	\$0	\$27,767	\$0	\$0
270	Tenderloin Neighborhood Development Corporation	SOMA Studios	San Francisco	94103	88	\$0	\$31,344	\$0	\$0
271	The Banneker Homes, Inc.	Banneker Homes	San Francisco	94102	108	\$0	\$45,900	\$0	\$0
272	West Sacramento Housing Development Corporation	Patio Apartments	West Sacramento	95605	45	\$16,875	\$0	\$9,738	\$15,750
273	West Sacramento Housing Development Corporation	Washington Courtyards	West Sacramento	95605	90	\$23,100	\$0	\$9,375	\$20,850
274	West Sacramento Housing Development Corporation	West Capitol	West Sacramento	95691	125	\$32,113	\$0	\$15,212	\$32,112
275	Western Community Housing	Tiki Apartments	Huntington Park	90255	36	\$0	\$20,933	\$0	\$0
Grand Total					17,430	\$2,133,282	\$5,511,878	\$1,542,753	\$1,832,834
							Total Grant Awards:	\$7,645,160	

Table x. Approved CASF Public Housing Adoption Grants (As of 12/31/2016)⁵⁸

Item	RECIPIENT	PROJECT	CITY	ZIP	RESIDENTS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
1	BRIDGE Housing Corporation	Armstrong Place Senior Housing	San Francisco	94124	152	\$0	\$36,970	\$0	\$0
2	BRIDGE Housing Corporation	Chestnut Creek Senior Housing	South San Francisco	94080	55	\$0	\$24,250	\$0	\$0
3	BRIDGE Housing Corporation	Chestnut Linden Court	Oakland	94607	410	\$0	\$34,170	\$0	\$0
4	BRIDGE Housing Corporation	Emeryvilla	Emeryville	94608	46	\$0	\$23,550	\$0	\$0
5	BRIDGE Housing Corporation	Geraldine Johnson Senior Housing	San Francisco	94124	74	\$0	\$29,130	\$0	\$0
6	BRIDGE Housing Corporation	Ironhorse at Central	Oakland	94607	251	\$0	\$30,030	\$0	\$0
7	BRIDGE Housing Corporation	Mandela Gateway Apartments	Oakland	94607	440	\$0	\$34,510	\$0	\$0
8	BRIDGE Housing Corporation	Natoma Family Apartments	San Francisco	94103	137	\$0	\$25,550	\$0	\$0
9	BRIDGE Housing Corporation	Richmond City Center	Richmond	94801	171	\$0	\$25,630	\$0	\$0
10	BRIDGE Housing Corporation	St. Joseph's Senior Apartments	Oakland	94601	103	\$0	\$33,130	\$0	\$0
11	BRIDGE Housing Corporation	Terraza Palmera at St. Josephs	Oakland	94601	171	\$0	\$26,090	\$0	\$0
12	Eden Housing, Inc.	801 Alma Family Apartments	Palo Alto	94301	156	\$0	\$12,880	\$0	\$0
13	Eden Housing, Inc.	Altenheim	Oakland	94602	199	\$0	\$19,380	\$0	\$0
14	Eden Housing, Inc.	Camphora	Soledad	93960	134	\$0	\$21,040	\$0	\$0
15	Eden Housing, Inc.	Carlow Court Apartments	Dublin	94568	74	\$0	\$12,880	\$0	\$0
16	Eden Housing, Inc.	Cottonwood Place Apartments	Fremont	94536	146	\$0	\$16,015	\$0	\$0
17	Eden Housing, Inc.	Studio 819 Apartments	Mountain View	94043	61	\$0	\$12,880	\$0	\$0
18	Eden Housing, Inc.	Weinreb Place	Hayward	94541	24	\$0	\$12,351	\$0	\$0
19	Eden Housing, Inc.	Wexford Way	Dublin	94568	416	\$0	\$12,880	\$0	\$0
20	Episcopal Community Services of San Francisco	Bishop Swing Community House	San Francisco	94103	135	\$0	\$49,959	\$0	\$0
21	Episcopal Community Services of San Francisco	Canon Barcus Community House	San Francisco	94103	153	\$0	\$49,520	\$0	\$0
22	Episcopal Community Services of San Francisco	Canon Kip Community House	San Francisco	94103	103	\$0	\$49,593	\$0	\$0
23	First Community Housing	Curtner Studios Digital Connections	San Jose	95125	200	\$25,756	\$0	\$0	\$0
24	First Community Housing	El Paseo Digital Connections	San Jose	95130	98	\$21,030	\$0	\$0	\$0
25	Housing Authority of the County of Los Angeles	Carmelitos Housing Development	Long Beach	90805	999	\$0	\$28,210	\$0	\$0
26	Housing Authority of the County of Los Angeles	Harbor Hills Housing Development	Lomita	90717	761	\$0	\$28,210	\$0	\$0
27	Housing Authority of the County of Los Angeles	Nueva Maravilla Housing Development	Los Angeles	90022	999	\$0	\$28,210	\$0	\$0
28	Jamboree Housing Corporation	Puerto del Sol Apartments	Long Beach	90802	498	\$0	\$23,567	\$5,280	\$5,280
29	Long Beach Affordable Housing Coalition (LBAHC)	Grace Manor	Carson	90745	100	\$0	\$25,007	\$0	\$0

⁵⁸ Local assistance expenditure/encumbrance information captured when expenditure/encumbrance made and validated with CALSTARS fiscal reports. No Public Housing Adoption projects have completed by the end of 2016.

Item	RECIPIENT	PROJECT	CITY	ZIP	RESIDENTS	GRANT AWARD 2015	GRANT AWARD 2016	PAYMENTS 2016	TOTAL PAID
30	Long Beach Affordable Housing Coalition (LBAHC)	Metro West Apts	Los Angeles	90044	67	\$0	\$25,347	\$0	\$0
31	Long Beach Affordable Housing Coalition (LBAHC)	Vermont Manor	Gardena	90247	78	\$0	\$23,987	\$0	\$0
32	Long Beach Affordable Housing Coalition (LBAHC)	West Park	Los Angeles	90043	196	\$0	\$34,561	\$0	\$0
33	Mutual Housing California	Lemon Hill	Sacramento	95824	282	\$0	\$34,550	\$0	\$0
34	Mutual Housing California	Mutual Housing at Sky Park	Sacramento	95823	258	\$0	\$36,370	\$0	\$0
35	Mutual Housing California	Mutual Housing at Spring Lake	Woodland	95776	335	\$0	\$29,710	\$0	\$0
36	Mutual Housing California	Mutual Housing at the Highlands	North Highlands	95660	141	\$0	\$40,780	\$0	\$0
37	Mutual Housing California	New Harmony	Davis	95618	195	\$0	\$31,455	\$0	\$0
38	Mutual Housing California	Owendale	Davis	95618	91	\$0	\$21,085	\$0	\$0
39	Petaluma Ecumenical Properties (PEP Housing)	575 Vallejo Street Senior Apartments Adoption	Petaluma	94952	46	\$10,550	\$0	\$7,023	\$7,023
40	Petaluma Ecumenical Properties (PEP Housing)	579 Vallejo Street Senior Apartments Adoption	Petaluma	94952	41	\$9,430	\$0	\$6,271	\$6,271
41	Petaluma Ecumenical Properties (PEP Housing)	Acacia Lane Senior Apartments Adoption	Santa Rosa	95409	47	\$10,190	\$0	\$6,772	\$6,772
42	Petaluma Ecumenical Properties (PEP Housing)	Casa Grande Senior Apartments Adoption	Petaluma	94954	60	\$13,350	\$0	\$9,030	\$9,030
43	Petaluma Ecumenical Properties (PEP Housing)	Caulfield Lane Senior Apartments Adoption	Petaluma	94954	23	\$5,220	\$0	\$3,512	\$3,512
44	Petaluma Ecumenical Properties (PEP Housing)	Kellgren Senior Apartments Adoption	Petaluma	94954	53	\$11,650	\$0	\$7,776	\$7,776
45	Satellite Affordable Housing Associates	Amistad House	Berkeley	94611	63	\$0	\$48,290	\$0	\$0
46	Satellite Affordable Housing Associates	Arboleda Apartments Adoption	Walnut Creek	94597	92	\$40,756	\$0	\$9,355	\$9,355
47	Satellite Affordable Housing Associates	Merritt Crossing Adoption	Oakland	94606	95	\$50,000	\$0	\$9,843	\$9,843
48	Satellite Affordable Housing Associates	Petaluma Avenue Homes	Sebastapol	95472	99	\$0	\$48,350	\$0	\$0
49	Satellite Affordable Housing Associates	Satellite Central	Oakland	94612	196	\$0	\$50,000	\$0	\$0
50	Satellite Affordable Housing Associates	Strawberry Creek Lodge Adoption	Berkeley	94702	150	\$49,970	\$0	\$11,226	\$11,226
51	Satellite Affordable Housing Associates	Valdez Plaza	Oakland	94611	194	\$0	\$50,000	\$0	\$0
52	Silvercrest, Inc. (non-profit)	Parc Grove Commons	Fresno	93703	559	\$38,894	\$0	\$10,000	\$10,000
53	Silvercrest, Inc. (non-profit)	Parc Grove Northwest	Fresno	93703	381	\$38,894	\$0	\$10,000	\$10,000
54	Silvercrest, Inc. (non-profit)	Viking Village	Fresno	93726	121	\$38,894	\$0	\$10,000	\$10,000
55	West Sacramento Housing Development Corporation	Patio Apartments	West Sacramento	95605	56	\$0	\$26,140	\$0	\$0
56	West Sacramento Housing Development Corporation	Washington Courtyards	West Sacramento	95605	279	\$0	\$45,760	\$0	\$0
57	West Sacramento Housing Development Corporation	West Capitol Courtyards	West Sacramento	95691	155	\$0	\$76,945	\$0	\$0
Grand Total					11,619	\$364,584	\$1,348,922	\$106,088	\$106,088
							Total Grant Awards:	\$1,713,506	