



CALIFORNIA PUBLIC UTILITIES COMMISSION

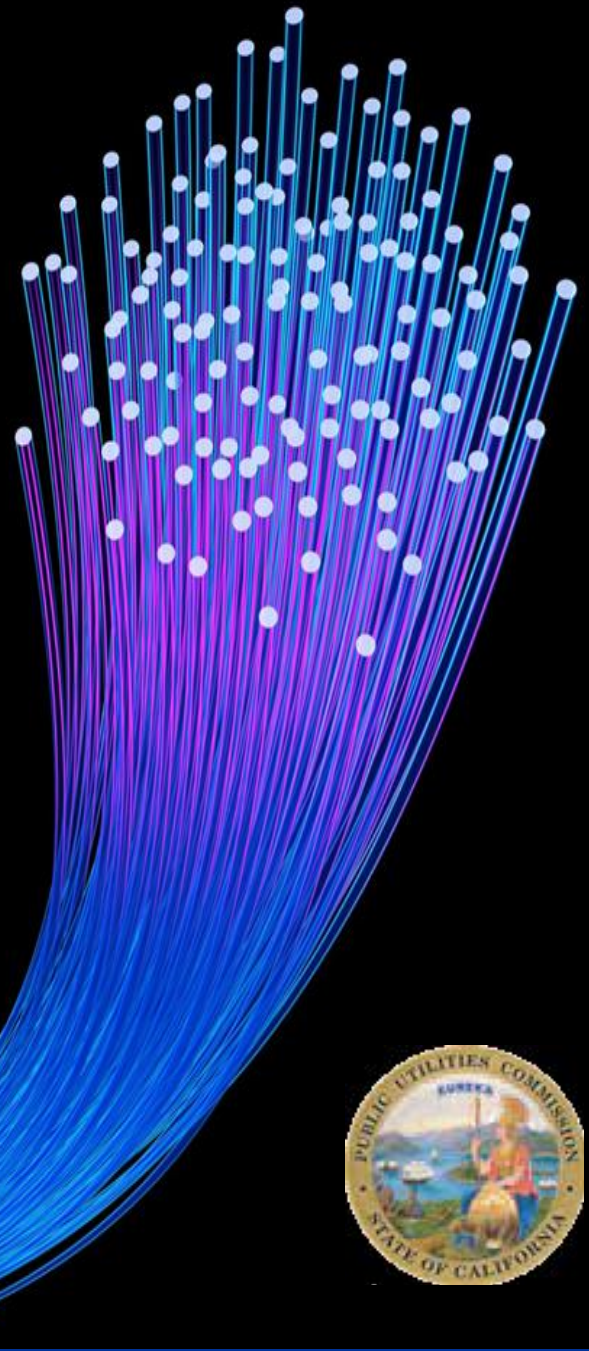
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## California Advanced Services Fund

# Annual Report

January 2012 – December 2012

January 2013



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## I. Executive Summary

Pursuant to California Public Utilities Code Section 281(g)(1), the California Public Utilities Commission (CPUC or Commission) submits this annual report to summarize accomplishments in calendar year 2012 in the Commission's California Advanced Services Fund (CASF) program.<sup>1</sup> Key activities include:

- Implementation of enhancements to the original Broadband Infrastructure Grant Account (Infrastructure Grant Account)
- Implementation of two new CASF accounts, the Broadband Infrastructure Revolving Loan Account (Revolving Loan Account) and the Rural and Urban Regional Broadband Consortia Grant Account (Consortia Grant Account)
- Approval of funding from the Infrastructure Grant Account for the Crowley Lake and Swall Meadows broadband project extending high-speed Internet service to communities in Mono County
- Review of 5 new Infrastructure Grant Account applications for the October 1, 2012 application window targeting unserved areas
- Monitoring and grant administration of 34 awards from the Infrastructure Grant Account and 14 awards from the Consortia Grant Account

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<sup>1</sup> The Commission's Communications Division (CD) staff prepared this report.

- New rulemaking launched to consider expansion of applicant eligibility for the CASF Infrastructure Grant and Revolving Loan Accounts to non- Certificate of Public Convenience and Necessity (CPCN) or Wireless ID Registration (WIR) holders.
- Progress toward bridging the digital divide: A cumulative total 1,777 new households served and increased broadband speeds. In addition, the regional Consortia continue to advance initiatives aimed at increasing broadband deployment, access, and adoption in the geographic regions they represent

As of December 31, 2012, the cumulative total CASF award funding is as follows:

- The Broadband Infrastructure Grant Account: The Commission authorized \$41.08 million for 34 projects <sup>2</sup> that will benefit 255,246 households when completed.
  - Unserved areas: \$2.31 million for 15 projects benefiting 16,530 households
  - Underserved areas: \$38.77 million for 19 projects benefiting 238,716 households
  - A total of 1,777 new subscribers since program initiation (45% subscription rate)
- The Rural and Urban Regional Broadband Consortia Grant Account: The Commission authorized \$2.85 million for 14 consortia grantees in 2012, and has provided said grantees with a three-year budget allowance of \$8.55 million.

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<sup>2</sup> [The Interim Performance Audit Report \(Volume I\)](#) that the CPUC submitted to the Legislature on April 2011 reported a total of 41 projects funded under CASF. The Commission approved 3 additional projects and rescinded a total of 11 projects in 2011 bringing the total to 33 CASF projects. In 2012, the Commission approved 1 additional project netting 34 CASF Infrastructure Grant Account project to date.

- The Broadband Infrastructure Revolving Loan Account: To date, the Commission has not received any loan applications, so accordingly no loan awards have been approved at this time.

The following table shows the total funds awarded and expended as of end of calendar year 2012<sup>3</sup> for each of the CASF sub-accounts:

CASF Sub-Accounts	Total Funds Awarded	Total Funds Expended (as of 12/31/2012)
Broadband Infrastructure Grant Account	\$ 41,084,519	\$ 14,813,724
Rural and Urban Regional Broadband Consortia Grant Account	\$ 8,546,476 (14 consortia over 3 years)	\$ 1,165,511
Broadband Infrastructure Revolving Loan Account	\$ 0	\$ 0
<b>Total CASF Funds Awarded</b>	<b>\$ 49,630,995</b>	<b>\$ 15,979,235</b>

## II. Background of the CASF Program

The CASF promotes the deployment of broadband infrastructure in unserved and underserved areas of the state by providing grants to help fund eligible broadband projects. The Commission established the CASF program in Decision (D.) 07-12-054. Senate Bill 1193 (Stats. 2008, c.393) reaffirmed the CASF as a new universal service program geared towards the deployment of broadband infrastructure in unserved and underserved areas of California.

On September 25, 2010, Governor Schwarzenegger signed Senate Bill (SB) 1040 (Stats. 2010, c. 317, codified at P.U. Code § 281) which extended the CASF indefinitely and expanded it to include three accounts: (1) the Infrastructure Grant Account, (2) the Consortia Grant Account, and (3) the Revolving Loan Account. The latter two accounts are intended to

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<sup>3</sup> Henceforth, reference to 2012 means calendar year 2012 (January 1, 2012 – December 31, 2012).

address the needs that were unmet under the original CASF program. In particular, the purpose of the Consortia Grant Account is “to fund the cost of broadband deployment activities other than the capital cost of facilities, as specified by the Commission.” P.U. Code § 281(d). The purpose of the Revolving Loan Account is “to finance capital costs of broadband facilities not funded by a grant from the Broadband Infrastructure Grant Account.” P.U. Code § 281(e). SB 1040 also expanded the CASF fund from \$100 million to \$225 million. It increased the Infrastructure Grant Account with an additional \$100 million, and allocated funding of \$10 million and \$15 million to the Consortia Grant Account and the Revolving Loan Account, respectively. P.U. Code § 281(b)(1).

Accordingly, in December 2010, the Commission opened an Order Instituting Rulemaking (OIR) R.10-12-008 to implement SB 1040 and to enhance the program based on the Commission’s three-years’ experience in implementing it. The rulemaking was divided into two phases: Phase I - Implementation of the Consortia Grant Account, and Phase II - Implementation of the Revolving Loan Account and improving the existing Infrastructure Grant Account. The Commission concluded Phase I of R.10-12-008 in June 2011 by adopting D.11-06-038, which set eligibility criteria and rules for CASF Consortia Grant Account. In August 2011, the Commission launched Phase II of R.10-12-008 by issuing a ruling soliciting comments on draft proposals covering proposed revisions to the application requirements and guidelines of the Infrastructure Grant Account and proposed implementation plan for the Revolving Loan Account. After consideration of comments, the assigned Commissioner issued a proposed decision in December 2011. After review and consideration of parties’ comments on the proposed decision, the Commission adopted D.12-02-015 in February 2012 to implement new guidelines for the Infrastructure Grant and Revolving Loan Accounts.

### **III. Purpose of the Report**

The California Public Utilities Commission is submitting this report to the Legislature in accordance with Section 281(g)(1) of the Public Utilities Code. As required by the Legislature, this report contains the following information:

- (A) The amount of funds expended from the California Advanced Services Fund in the prior year;
- (B) The recipients of funds expended from the California Advanced Services Fund in the prior year;
- (C) The geographic regions of the state affected by funds expended from the California Advanced Services Fund in the prior year;
- (D) The expected benefits to be derived from the funds expended from the California Advanced Services Fund in the prior year;
- (E) Actual broadband adoption levels from the funds expended from the California Advanced Services Fund in the prior year;
- (F) The amount of funds expended from the California Advanced Services Fund used to match federal funds; and
- (G) An update on the expenditures from California Advanced Services Fund and broadband adoption levels, and an accounting of remaining unserved and underserved areas of the state.

### **IV. CASF Program Procedural Accomplishments**

Throughout 2012, CASF continues to promote deployment of broadband infrastructure and advancing broadband adoption in unserved and underserved areas of California. The following is a summary of the Commission's key procedural accomplishments in 2012:

- The Commission awarded 14 consortia grants. In December 2011, the Commission approved Resolution T-17349 awarding 7 consortia grants. Subsequently, in February 2012, the Commission issued Resolution T-17355 awarding grants to additional 7 consortia groups. Attachment A shows a map detailing the geographic regions of the Consortia.
  
- Commission approved \$286,398 Infrastructure Grant for broadband in Mono County. In August 2012, the Commission adopted funding for the grant application of Verizon California Inc. for the Crowley Lake and Swall Meadows broadband project. The project was the last CASF grant application received and approved under the original CASF program guidelines, requirements, and evaluation criteria established in Resolution T-17143.
  
- The Commission adopted enhancements to the Infrastructure Grant Account and new Revolving Loan Account. In February 2012, the Commission adopted D.12-02-015 to implement new guidelines for both the Infrastructure Grant and Revolving Loan Accounts. The CASF program enhancements include: an increase in award grant funding from 40% to 60% of project costs for underserved areas and 70% of project costs for unserved areas, an increase in advertised speeds from 3 mbps download and 1 mbps upload to 6 mbps download and 1.5 mbps upload, and supplemental CASF funding from the Revolving Loan Account for up to 20% of project costs, or a maximum of \$500,000. In addition, in August 2012, the Commission set in Resolution T-17369 the application and borrower fees associated with the Revolving Loan Account. All newly submitted CASF infrastructure grant and revolving loan account proposed project applications would be reviewed under the rules established in D.12-02-015.



- The Commission set application deadlines for the CASF Broadband Infrastructure Grant Program and the Revolving Loan Program. In May 2012, the Commission extended the deadlines set forth in D.12-02-015 for filing project applications for the CASF Infrastructure Grant and Revolving Loan Accounts. October 1, 2012 marked the first application deadline for projects located in unserved areas. February 1, 2013 is the deadline for project applications located in underserved areas not previously funded by the CASF and hybrid project that cover both unserved and underserved areas. Five CASF broadband project proposals were received by the October 1, 2012 deadline. Attachment B provides a summary of the project proposals submitted. Communications Division (CD) staff is in the process of completing the review of the applications to determine if the projects comply with the requirements of D.12-02-015. Approval of CASF funding for those projects that qualify and meet the program requirements will be through Commission Resolution(s).

## **V. 2012 CASF Program Overview and Results**

The following section presents the data required from the CASF in accordance with Section 281 (g) (1) of the Public Utilities Code.

### ***A. Amount and recipients of funds expended from the California Advanced Services Fund in 2012***

Through the end of 2012, the Commission has collected an estimated total of \$137.40 million from the CASF surcharges<sup>4</sup> on revenues collected by carriers from end-users for

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<sup>4</sup> The Commission established a 0.25% CASF surcharge effective January 2008 to fund \$100 million to the CASF program. On December 17, 2009, the Commission approved Resolution T-17248 which reduced the CASF surcharge from 0.25% to 0.00% effective January 1, 2010. In September 2011, the Commission issued Resolution T-17343 to re-establish the surcharge collection to fund the CASF as a result of the SB1040 expansion of the program from \$100 million to \$225 million. The current CASF surcharge is established at 0.14% effective November 1, 2011.

intrastate telecommunications services. The following table summarizes the CASF program revenues and expenditures:

<b>CASF Program Revenues &amp; Expenditures Report - as of December 31, 2012</b>			
<b>Revenues</b>			
Regulatory Fees (Surcharge Revenue)			\$ 137,401,024
Delinquent Fees			\$ 182,171
Investment Income			\$ 1,695,490
<b>Total Revenues</b>			<b>\$ 139,278,685</b>
<b>Expenditures</b>			
Payments to CASF Grant Recipients			\$ 15,979,235
	Infrastructure Grant Account	\$ 14,813,724	
	Consortia Grant Account	\$ 1,165,511	
Admin Costs & Other Fees			\$ 1,626,005
Pro-rata Costs			\$ 918,182
<b>Total Expenditures</b>			<b>\$ 18,523,422</b>
<b>Grants Outstanding Obligations</b>			<b>\$ 33,651,760</b>
	Infrastructure Grant Account	\$ 26,270,795	
	Consortia Grant Account	\$ 7,380,965	
<b>Total Grants Outstanding Obligations</b>			<b>\$ 33,651,760</b>
<b>Total Account Balance</b>			<b>\$ 87,103,503</b>

The Commission has awarded a total of \$49.63 million CASF grants through the end of 2012 broken-down as shown in the following table:

CASF Sub-Accounts	Total Funds Awarded	Total Funds Expended	Grant Outstanding Obligations
Infrastructure Grant Account	\$ 41,084,519	\$ 14,813,724	\$ 26,270,795
Consortia Grant Account (14 consortia over 3 years)	\$ 8,546,476	\$ 1,165,511	\$ 7,380,965
Revolving Loan Account	\$ 0	\$ 0	\$ 0
<b>Total CASF Funds Awarded</b>	<b>\$ 49,630,995</b>	<b>\$ 15,979,235</b>	<b>\$ 33,651,760</b>

The total Infrastructure Grant Account awards amount to \$41.08 million for 34 projects covering 6,659 square miles and potentially benefiting 255,246 households. The following table lists the Commission's approved CASF infrastructure projects, funding levels and key information for each project as of December 2012.

Legend:  
Completed Projects

## CASF INFRASTRUCTURE GRANT APPROVED PROJECTS

ITEM #	GRANTEE	PROJECT NAME	LOCATION	PROJECT SIZE (in sq. miles)	# of HOUSEHOLDS	CASF AWARD
<b>UNSERVED AREAS</b>						
1	AT&T	Grenada	Siskiyou	14	275	\$57,596
2	AT&T	Hopland	Mendocino	14	328	\$61,952
3	AT&T	Blanchard	Mariposa	14	123	\$35,816
4	AT&T	Mount Wilson	Los Angeles	2	15	\$2,420
5	Verizon	Pinyon	Riverside	27	382	\$174,000
6	Frontier	Prattville	Lake Almanor, Phumas	2	171	\$41,192
7	AT&T	Comptche	Mendocino County	12	97	\$18,392
8	AT&T	Alta/Blue Canyon	Nevada/Placer Counties	11	236	\$56,628
9	AT&T	Warner Springs	San Diego County	4	66	\$93,896
10	AT&T	Carmel Valley	Monterey County	4	83	\$47,916
11	Willits Online	Covelo	Mendocino	4	300	\$54,000
12	Willits Online	Laytonville	Mendocino	4	500	\$54,000
13	MCC Telephony	Kernville Teleconnect Project	Kernville, Onyx, Weldon, Wofford Heights, Inyokern	44	9,179	\$285,992
14	Ponderosa Cable Vision	Ponderosa Cablevision Auberry Project (Mount Diablo Base, Meridian)	Fresno	19	1,043	\$1,154,780
15	Frontier Communications of the Southwest, Inc.	Havasu Palms and Black Meadow Landing resorts; Parker Strip recreational areas; portions of Parker, Parker Dam, Earp and Havasu Lake exchanges of Frontier Communications Southwest, Inc.	San Bernardino County	18	3,732	\$168,171
<b>Total for Unserved Areas</b>				<b>191</b>	<b>16,530</b>	<b>\$2,306,751</b>
<b>UNDERSERVED AREAS</b>						
16	AT&T	Lodi	San Joaquin	1	35	\$137,416
17	AT&T	Los Banos	Merced	1	13	\$120,170
18	AT&T	Easton	Fresno	1	9	\$49,869
19	Citizens	Birds Landing	Solano	17	69	\$100,444
20	Frontier	Livingston	Merced	8	234	\$62,000
21	AT&T	Vacaville	Solano	2	33	\$171,914
22	AT&T	Friant	Fresno	1	5	\$46,463
23	AT&T	Clovis	Fresno	0	125	\$36,393
24	IP Networks	Hwy 36 Humboldt-Trinity Counties Project (Bridgeville, Mad River, Dismore and Ruth)	Humboldt and Trinity Counties	218	527	\$5,753,240
25	California Broadband Cooperative	Digital 395 Middle Mile (Topaz, Coleville, Bridgeport, Mono Lake, June Lake, Crowley Lake, Benton, Mammoth Lakes, Bishop, Big Pine, Independence, Lone Pine, Cartago / Olancha, Boron, China Lake, Ridgecrest, Inyokern, Johannesburg, Kramer Junction, Red Mountain)	Mono, Inyo and Eastern Kern Counties, North Eastern San Bernardino	965	28,127	\$19,294,717
26	Verizon	The Sea Ranch Project	Sonoma	20	232	\$1,872,017
27	Phumas Sierra Telecommunications	Phumas-Sierra Middle-Mile Project Phumas County (Blairsden-Graeagle, Chilcoot, Clo); Lassen County (Doyle, Herlong, Litchfield, Janesville, Milford, Standish, Susanville); Sierra County (Calpine, Loyalton, Sierraville).	Phumas, Lassen and Sierra	2524	174	\$1,721,280
28	Audeamus	Tranquillity and West Fresno	Fresno County	21	585	\$1,154,496
29	Race Telecommunications	Mojave Air and Space Port Project	Kern County	5	231	\$506,199
30	Calaveras Telephone Company	Poker Flat Project	Calaveras	1	409	\$640,698
31	CVIN LLC	Central Valley Independent Network, LLC. (CVIN) & the Corporation for Educational Network Initiatives in California (CENIC) middle mile fiber-optics network infrastructure	Placer, El Dorado, Amador, San Joaquin, Stanislaus, Calaveras, Colusa, Tuolumne, Mariposa, Merced, Madera, Nevada, Fresno, Tulare, Sutter, Yuba, Kings and Kern County	2623	206,764	\$6,659,967
32	Frontier Communications of the West Coast	Ship Ashore and Fort Dick areas of the Smith River exchange ; Pacific Shores area of the Crescent City exchange	Del Norte	16	313	\$68,168
33	Frontier Communications of the Southwest, Inc.	Markleeville, Woodfords, Paynesville, Fredericksburge and surrounding areas	Alpine County	44	381	\$95,919
34	Verizon	Crowley Lake & Swall Meadow	Mono County	1	450	\$286,398
<b>Total for Underserved Areas</b>				<b>6,468</b>	<b>238,716</b>	<b>\$38,777,768</b>
<b>Total CASF Infrastructure Grant Account Funding for Unserved and Underserved Areas:</b>				<b>6,659</b>	<b>255,246</b>	<b>\$41,084,519</b>

Out of 34 projects that have been awarded CASF infrastructure grants, 19 projects have been completed to date where 15 of these projects have submitted final completion reports and requested payment from the CASF. In addition, 4 projects that are in-progress have requested

payment from the fund netting to a total of 19 projects that CASF has expended funds to amounting to a total of \$14.81 million. Specifically in 2012, 7 out of the 19 projects have requested payment from the fund amounting to \$10.31 million. The actual project costs for 11 completed projects were lower than projected; hence, the CASF payments for these projects were below the awarded amounts. As a result, the Commission can disencumber those funds<sup>5</sup> and make them available for future eligible broadband projects and applicants. Attachment C provides detail information on the amounts and recipients of funds expended from the Infrastructure Grant Account through 2012.

The total Consortia Grant Account awards amount to \$8.55 million<sup>6</sup> for 14 consortia groups advancing broadband deployment, access and adoption in counties throughout the state. Out of 14 Consortia that have been awarded CASF Consortia grants, 12 have requested payment from the fund to date amounting to a total of \$1.17 million. Attachment D provides detail information on the amounts and recipients of funds expended from the Consortia Grant Account through 2012.

### ***B. Benefits derived from the funds expended from the California Advanced Services Fund in 2012***

Out of the 19 projects for which the Commission expended CASF Infrastructure Grant funds through 2012, 15 have been completed and are now delivering broadband connectivity benefits to the following counties: Fresno, Humboldt, Los Angeles, Mariposa, Mendocino, Merced, Nevada, Placer, San Diego, San Joaquin, Siskiyou, Solano, and Trinity. Additionally, 4 completed projects that have not yet submitted a payment request to CASF are delivering

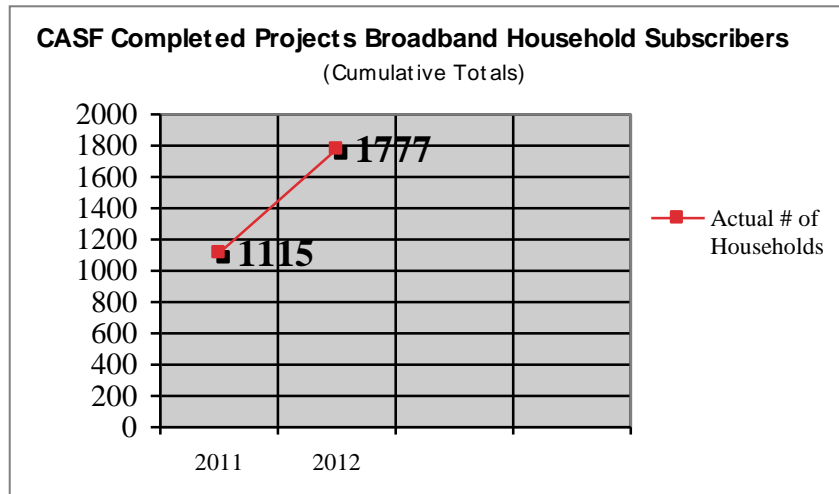
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<sup>5</sup> A total of \$283,569 amounted in CASF fund savings from 11 projects that were completed under-budget.

<sup>6</sup> The total funding includes budget allowances over a three-year funding period and supplemental funding to attend the annual Regional Consortia Learning Community Summit.

broadband connectivity benefits to the following counties: Alpine, Monterey, Plumas, and Riverside.

The benefits derived from the 19 completed projects includes access to broadband service in unserved areas and access to broadband



speeds of no less than 3 mbps download and 1 mbps upload in underserved areas. Actual broadband subscribership for completed projects has reached a total<sup>7</sup> amount of 1,777 households out of an estimated target of 3,956 households. The total number of actual subscribership represents a take rate<sup>8</sup> of 44.92%. Broadband speeds in the completed project areas range from 1.5 to 6 mbps download / .384 to .768 mbps upload in unserved areas and 3 to 10 mbps download / 1 to 1.5 mbps upload in underserved areas. The following table shows a list of the projects that have received funds from the CASF Infrastructure Grant Account through 2012 as well as all projects that have completed to date, the status, geographic regions, number of households in the project area and area type:

<sup>7</sup> Actual subscribership by project and recipient is competitively sensitive and therefore proprietary. This report therefore shows an aggregate total number of subscribers from CASF funds expended in 2012.

<sup>8</sup> The take rate is calculated by dividing the total number of reported actual household subscribers by the targeted total number of households subscribers in the completed project areas.

Item #	Recipient	Project Name	Project Status	Geographic Region (Location)	Number of Households in the Project Area	Area Type
1	AT&T	Alta/Blue Canyon	Completed	Nevada/Placer Counties	236	Unserved
2	AT&T	Blanchard	Completed	Mariposa	123	Unserved
3	AT&T	Carmel Valley	Completed; no payment request yet submitted	Monterey County	83	Unserved
4	AT&T	Comptche	Completed	Mendocino County	97	Unserved
5	AT&T	Clovis	Completed	Fresno	125	Underserved
6	AT&T	Easton	Completed	Fresno	9	Underserved
7	AT&T	Grenada	Completed	Siskiyou	275	Unserved
8	AT&T	Hopland	Completed	Mendocino	328	Unserved
9	AT&T	Lodi	Completed	San Joaquin	35	Underserved
10	AT&T	Mt. Wilson	Completed	Los Angeles	15	Unserved
11	AT&T	Warner Springs	Completed	San Diego County	66	Unserved
12	Audeamus	Tranquility and West Fresno	<b>In-Progress</b>	Tranquility and West Fresno	585	Underserved
13	Calaveras Telephone Company	Poker Flat Project	<b>In-Progress</b>	Calaveras	409	Underserved
14	California Broadband Cooperative (Inyo Network)	Digital 395	<b>In-Progress</b>	Mono, Inyo and Eastern Kern Counties, North Eastern San Bernardino	28,127	Underserved
15	Citizens Telecommunications of California, Inc.	Birds Landing	Completed	Solano	69	Underserved
16	Citizens Telecommunications of California, Inc. (Frontier)	Livingston	Completed	Merced	234	Underserved
17	Citizens Telecommunications of California, Inc. (Frontier)	Prattville	Completed; no payment request yet submitted	Lake Almanor, Plumas	171	Unserved
18	Frontier Communications of the Southwest, Inc.	Alpine	Completed; no payment request yet submitted	Alpine County	381	Underserved
19	IP Networks	Hwy 36 Humboldt-Trinity Counties	Completed	Humboldt and Trinity Counties	527	Underserved
20	Plumas Sierra Telecom.	Plumas-Sierra Middle-Mile Project Plumas County	<b>In-Progress</b>	Plumas, Lassen and Sierra	174	Underserved
21	Verizon	Pinyon	Completed; no payment request yet submitted	Riverside	382	Unserved
22 & 23	Willits Online	Covelo & Laytonville	Completed	Mendocino	800	Unserved
<b>Total Number of Households for Completed Projects through 2012</b>					<b>3,956</b>	

The benefits derived from the 14 Consortia groups receiving funding from the CASF Consortia Grant Account include promoting ubiquitous broadband deployment, access, and adoption in 49 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 the impact of consumer education, outreach, and training;
- Support those community-based parties, especially anchor institutions, who are working to increase deployment, access, and adoption.

Attachment E describes the accomplishments achieved by each regional Consortium in 2012.

### ***C. Leveraging CASF Program Funds with Federal Funds***

With an investment of about \$31 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 (Recovery Act) for broadband deployment in the state. Out of the 6 projects that successfully secured Recovery Act funding, 4 projects have received payment from the CASF totaling \$8.52 million. The remaining 2 projects have not yet submitted payment requests from their CASF funding award. However, both projects have started and continue to make progress towards completion. The following table shows the amount of funds expended from the CASF for projects obtaining federal funds:

Project Name	Recovery Act Funding (in millions)	CASF Funding Award (in millions)	CASF Funding Expended (in millions)
Ponderosa Cablevision Auberry Project	\$3.85	\$1.16	\$0
Calaveras Poker Flat Project	\$4.09	\$0.64	\$0.26
Digital 395 Middle Mile Project	\$81.15	\$19.30	\$6.41
Plumas Sierra Telecommunications (PST) Middle Mile Project	\$13.77	\$1.72	\$0.92
Audeamus Last Mile Project	\$5.48	\$1.15	\$0.93
Central Valley Independent Network, LLC (CVIN) & the Corporation for Educational Network Initiatives in California (CENIC) Last Mile Project	\$46.62	\$6.66	\$0
<b>Total</b>	<b>\$154.96</b>	<b>\$30.63</b>	<b>\$8.52</b>

#### ***D. Remaining Unserved and Underserved Areas of the State***

Using the CASF definitions of unserved and underserved areas in D.12-02-015<sup>9</sup>, Attachment F shows 2 maps of the remaining unserved and underserved areas of the state depending on the category of broadband services included.<sup>10</sup> The maps are based on Round 6 data that broadband providers submitted to the CPUC as of June 30, 2012. Map 1 shows broadband availability utilizing both fixed (wireline and wireless) and mobile broadband technologies. Map 2 shows broadband availability utilizing only wireline and fixed wireless broadband technologies (i.e., without mobile). After evaluating the current broadband availability data and the 2010 U.S. census numbers, we estimate that the total percentage of households that are served in California, where wireline, fixed-wireless, and mobile broadband service is at least 6 mbps download and 1.5 mbps upload, is **97.60%**. Underserved areas of the state amount to **2.30%** of households and unserved areas amount to **0.10%** of households. However, if only wireline and fixed wireless broadband availability is considered, the percentage of households served, underserved, and unserved change slightly as follows: Served areas of the state decrease to **96.3%** of households, underserved areas increase to **2.70%** of households and unserved areas increase to **1.0%** of households. The following table shows the percentages and number of households in served, underserved, and unserved areas of

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<sup>9</sup> An “unserved” area is an area that is not served by any form of wireline or wireless facilities-based broadband, such that Internet connectivity is available only through dial-up service. An “underserved” area is an area where broadband is available, but no wireline or wireless facilities-based provider offers service at advertised speeds of at least 6 mbps download and 1.5 mbps upload.

<sup>10</sup> The CPUC broadband availability map separates broadband services into several categories: fixed, mobile and satellite. The “fixed” category includes all those services which are delivered to a particular, stationary location. Such services are provided using several different technologies, including “wireline” technologies such as xDSL, Cable Modem, or Fiber to the Home. These technologies use wires or cables that make a physical connection from the provider to the user. However, “fixed wireless” solutions use wireless radio waves at a particular frequency, such as Wi-Fi, to make a “point-to-point” connection between the provider and the user at a fixed location. By contrast, the “mobile” category includes “wireless” technologies, such as 2G, 3G or 4G to provide service to users who can receive a broadband signal while the user is in motion. The “satellite” category includes those providers who use a connection via satellite to the customer to provide service.



the state by both fixed and mobile broadband availability and by wireline and fixed wireless broadband availability:

**Fixed and Mobile Broadband Availability:**

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		Unserved Either no service available, or internet access is slower than 768 Kbps down or 200 Kbps up		Unpopulated Area	
Households (2010 Census)	12,577,498	12,276,448	97.60%	288,602	2.30%	12,448	0.10%	--	--
Land Area (Square Miles)	155,779	43,901	28.20%	79,711	51.20%	9,122	5.90%	23,045	14.80%

**Wireline and Fixed Wireless Broadband Availability:**

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		Unserved Either no service available, or internet access is slower than 768 Kbps down or 200 Kbps up		Unpopulated Area	
Households (2010 Census)	12,577,498	12,107,765	96.3%	344,913	2.7%	124,820	1.0%	--	--
Land Area (Square Miles)	155,779	29,633	19.0%	22,917	14.7%	33,254	21.3%	69,974	44.9%

**VI. CASF Program Focus for 2013**

With the addition of the Consortia Grant and Revolving Loan Accounts, and the increase in broadband speeds and grant award funding from the Infrastructure Grant Account, we expect the CASF program will help bring high-speed broadband Internet service to more and more unserved and underserved areas of the state and ultimately increasing the adoption of broadband throughout California in areas where it may be uneconomic to do so without support. Even though only a handful of applications were received on the October 1, 2012 unserved areas project proposal deadline, a greater number of applications are expected on the February 1, 2013 application deadline. The February 2013 application window will target underserved areas not previously funded by the CASF and hybrid projects that cover both unserved and underserved areas.

In addition, in October 2012, the Commission issued an Order Instituting Rulemaking (R.12-10-012) to extend eligibility for CASF infrastructure grant/loan funding to facility-based

broadband service providers that hold neither a Certificate of Public Convenience (CPCN) nor Wireless ID Registration (WIR). The Commission further proposes to extend CASF eligibility to any commercial provider of broadband access or any nonprofit entity, including government entities or community anchor institutions that elect to provide facilities based broadband service. The Commission recognizes that the change proposed requires legislative action because the current eligibility requirements are defined by statute<sup>11</sup>. The Commission plans to seek such legislation in the near future and has initiated the rulemaking in anticipation of that effort. It is our hope that the enhancements made to the CASF program will spur interest from applicants to apply for funding from the CASF and continue to encourage the deployment of high-speed broadband Internet service to all Californians.

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<sup>11</sup> Cal. Pub. Util. Code § 270(b) states that “Moneys in the [CASF fund] are the proceeds of rates and are held in trust for the benefit of ratepayers and to compensate telephone corporations for their costs of providing universal service. Moneys in the funds may only be expended pursuant to this chapter and upon appropriation in the annual Budget Act or upon supplemental appropriation.”

# Attachment A – Map of Commission Approved Consortia Grants



## Attachment B – October 1, 2012 Unserved Area Project Proposals

### Summary of Project Proposals Submitted

Applicant's Name	Project Title	Project Area Location	Project Type	CASF Funding Requested	List of CBGs (Census Block Group)	List of Zip Codes
ViaSat, Inc.	Access for Rural Monterey CTY	Monterey County unserved census blocks	Last Mile	\$362,122 grant / \$0 loan	060530110003 060530111011 060530113031 060530113041 060530114001 060530114002 060530115021	93924 93960 93927 93930 93450 93928 93920
WillitsOnline LLC and its subsidiary company, Rural Broadband Now! LLC	Boonville Last Mile Project	Boonville, California located in Mendocino County	Last Mile	\$128,000 grant / \$0 loan	060450112003 060450112002	95415 95494
Race Telecom., Inc.	Kern County City of Boron	The City of Boron, California	Last Mile	\$6,780,527.60 grant / \$0 loan	060290056001 060290056002 060290065001 060710116003 060710116001 060290057001	93516
Race Telecom., Inc.	Kern County City of Mojave	The City of Mojave, California	Last Mile	\$6,229,863.50 grant / \$0 loan	060290059001 060290059002 060290059003 060290065003	93501
WillitsOnline LLC and its subsidiary company, Rural Broadband Now! LLC	Westport Last Mile Project	Westport, California located in Mendocino County	Last Mile	\$161,500 grant / \$0 loan	060450102003	95488

## Attachment C - CASF Infrastructure Grant Account

### Project Payments Details

Item #	Recipient	Project Name	Awarded Amount	Pre-2011 Payments	2011 Payments	2012 Payments	Total Payments	Project Status	Area Type
1	AT&T	Alta/Blue Canyon	\$56,628	\$0	\$56,628	\$0	\$56,628	Completed	Unservd
2	AT&T	Blanchard	\$35,816	\$0	\$24,963	\$0	\$24,963	Completed	Unservd
3	AT&T	Comptche	\$18,392	\$0	\$9,364	\$0	\$9,364	Completed	Unservd
4	AT&T	Grenada	\$57,596	\$0	\$20,150	\$0	\$20,150	Completed	Unservd
5	AT&T	Hopland	\$61,952	\$0	\$22,306	\$0	\$22,306	Completed	Unservd
6	AT&T	Mt. Wilson	\$2,420	\$0	\$859	\$0	\$859	Completed	Unservd
7	AT&T	Warner Springs	\$93,896	\$0	\$43,985	\$0	\$43,985	Completed	Unservd
8	AT&T	Lodi	\$137,416	\$0	\$0	\$45,541	\$45,541	Completed	Unservd
9	AT&T	Clovis	\$36,393	\$0	\$0	\$36,393	\$36,393	Completed	Unservd
10	AT&T	Easton	\$49,869	\$0	\$0	\$36,354	\$36,354	Completed	Unservd
<b>Total AT&amp;T</b>			<b>\$550,378</b>	<b>\$0</b>	<b>\$178,254</b>	<b>\$118,288</b>	<b>\$296,542</b>		
11	Audeamus	Tranquility and West Fresno	\$1,154,496	\$0	\$928,554	\$0	\$928,554	In-Progress	Unservd
<b>Total Audeamus</b>			<b>\$1,154,496</b>	<b>\$0</b>	<b>\$928,554</b>	<b>\$0</b>	<b>\$928,554</b>		
12	Frontier	Birds Landing	\$100,444	\$0	\$99,130	\$0	\$99,130	Completed	Unservd
13	Frontier	Livingston	\$62,000	\$0	\$39,555	\$0	\$39,555	Completed	Unservd
<b>Total Frontier</b>			<b>\$162,444</b>	<b>\$0</b>	<b>\$138,685</b>	<b>\$0</b>	<b>\$138,685</b>		
14 & 15	Willits Online	Covelo & Laytonville	\$108,000	\$78,008	\$24,017	\$0	\$102,025	Completed	Unservd
<b>Total Willits Online</b>			<b>\$108,000</b>	<b>\$78,008</b>	<b>\$24,017</b>	<b>\$0</b>	<b>\$102,025</b>		
16	IP Networks	Hwy 36 Humboldt-Trinity Counties	\$5,753,240	\$0	\$3,159,738	\$2,593,502	\$5,753,240	Completed	Unservd
<b>Total IP Networks</b>			<b>\$5,753,240</b>	<b>\$0</b>	<b>\$3,159,738</b>	<b>\$2,593,502</b>	<b>\$5,753,240</b>		
17	Calaveras Telephone Company	Poker Flat Project	\$640,698	\$0	\$0	\$256,579	\$256,579	In-Progress	Unservd
<b>Total Calaveras Telephone Company</b>			<b>\$640,698</b>	<b>\$0</b>	<b>\$0</b>	<b>\$256,579</b>	<b>\$256,579</b>		
18	California Broadband Cooperative (Inyo Network)	Digital 395	\$19,294,717	\$0	\$0	\$6,413,765	\$6,413,765	In-Progress	Unservd
<b>Total CBC (Inyo Networks)</b>			<b>\$19,294,717</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,413,765</b>	<b>\$6,413,765</b>		
19	Plumas Sierra Telecommunications	Plumas-Sierra Middle-Mile Project Plumas County	\$1,721,280	\$0	\$0	\$924,331	\$924,331	In-Progress	Unservd
<b>Total Plumas Sierra Telecommunications</b>			<b>\$1,721,280</b>	<b>\$0</b>	<b>\$0</b>	<b>\$924,331</b>	<b>\$924,331</b>		
<b>Grand Total</b>				<b>\$78,008</b>	<b>\$4,429,249</b>	<b>\$10,306,466</b>	<b>\$14,813,723</b>		

## Attachment D – CASF Consortia Grant Account

### Project Payments Details

Item #	Recipient	Project Location	Award Amount (over 3 years) Amounts include base funding plus supplemental funding to attend annual Regional Consortia Learning Summit	2012 Total Payments (as of 12/31/2012)	Project Status
1	California's One Million NIU (New Internet Users) Coalition	Los Angeles County	\$480,000	\$74,997	In-Progress
2	Central Coast Broadband Consortium	Monterey, Santa Cruz, San Benito	\$480,000	\$21,192	In-Progress
3	Central Sierra Connect Broadband Consortium	Amador, Calaveras, Tuolumne, Mariposa, Western Alpine	\$480,000	\$0	In-Progress
4	Connected Captial Area Broadband Consortium	Sacramento, Sutter, Yolo, Yuba	\$478,301	\$74,759	In-Progress
5	East Bay Broadband Consortium	Alameda, Contra Costa, Solano, ABAG area	\$480,000	\$84,232	In-Progress
6	Eastern Sierra Connect Consortium	Mono, Inyo, Eastern Kern	\$480,000	\$0	In-Progress
7	Gold Country Broadband Consortium	Sierra, Nevada, Placer, El Dorado, Eastern Alpine	\$480,000	\$61,061	In-Progress
8	Inland Empire Regional Broadband Consortium	San Bernardino, Riverside	\$480,000	\$61,198	In-Progress
9	Los Angeles County Regional Broadband Consoritum	Los Angeles county - 5 distinct sub-regions under the LACRBC umbrella	\$2,310,000	\$468,930	In-Progress
10	Northeastern California Connect Consortium	Butte, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama	\$479,991	\$95,218	In-Progress
11	Redwood Coast Connect Consortium	Humboldt, Del Norte, Mendocino, Trinity	\$480,000	\$24,015	In-Progress
12	San Diego Imperial Regional Broadband Consortium	San Diego, Imperial	\$480,000	\$50,708	In-Progress
13	San Joaquin Valley Regional Broadband Consortium	San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, Kern	\$480,000	\$51,570	In-Progress
14	Upstate California Connect Consotium	Colusa, Glenn, Lake, Sonoma	\$478,184	\$97,631	In-Progress
<b>Grand Total</b>			<b>\$8,546,476</b>	<b>\$1,165,511</b>	

## Attachment E – Consortia Account Grantee Annual Outcomes

Regional Consortia	Grant Award	Counties	2012 Accomplishments
California's One Million NIU (New Internet Users) Coalition	\$480,000	Los Angeles	<ul style="list-style-type: none"> <li>• 276 parents have completed the 40 hour Parent Engagement through Technology sessions through 3<sup>rd</sup> quarter of funding.</li> <li>• 42 new jobs created through the Train the Trainer program where trainers have been trained to conduct training courses in English, Spanish and Korean.</li> <li>• 18 Empowerment Hubs (Internet access points) have been established throughout schools and community based organizations providing access to the Internet to an estimated 23,400 parents.</li> </ul>
Central Coast Broadband Consortium	\$480,000	Monterey, Santa Cruz, San Benito	<ul style="list-style-type: none"> <li>• Made significant progress in the development of an accessible comprehensive database and map base of broadband assets and availability in the region. The broadband asset inventory is successfully moving ahead with a significant amount of information collected on regional conduit, wireless sites, pole routes, fiber routes, node locations and existing GIS data. This information is under review and being validated by the Consortium's Technical Expert Group, and corresponding map layers have been developed by the City of Watsonville's GIS department.</li> <li>• Completed first draft of a model broadband policy bank relating to broadband infrastructure and service development, incorporating benchmarks and best practices previously identified Implementing broadband adoption projects in Santa Cruz and San Benito Counties.</li> </ul>
Central Sierra Connect Broadband Consortium	\$480,000	Amador, Calaveras, Tuolumne, Mariposa, Western Alpine	<ul style="list-style-type: none"> <li>• Activities focused on broadband infrastructure and coordination with individual Internet Service Providers (ISPs) in identifying potential projects.</li> <li>• Conducted extensive data analysis and mapping, results of which were provided to the ISPs coordinating with the Consortium. Identified areas with overstated broadband coverage and coordinated effort to challenge the existing CPUC broadband map information. Converted mapping data into a Google Earth format, preferred by ISP network engineers in planning future projects.</li> <li>• Key broadband adoption activities within region focused on extensive training classes provided to the general public. One rural county (Tuolumne) trained more students than all other counties except one through the Get Connected program.</li> </ul>
Connected Capital Area Broadband Consortium	\$478,301	Sacramento, Sutter, Yolo, Yuba	<ul style="list-style-type: none"> <li>• Established three work teams focused on: Infrastructure Deployment, Adoption and Digital Literacy and Wireless Broadband Advancement.</li> <li>• Developed a baseline of infrastructure inventory and adoption programs.</li> <li>• Identified regional broadband infrastructure priority investment areas.</li> <li>• Conducted pilot outreach campaigns to increase awareness of broadband relevance and access.</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
East Bay Broadband Consortium	\$480,000	Alameda, Contra Costa, Solano, ABAG area	<ul style="list-style-type: none"> <li>• Assessed the state of broadband infrastructure coverage in the East Bay</li> <li>• Identified current and planned broadband projects</li> <li>• Identified infrastructure needs over the next 10 years</li> <li>• Developed a draft strategic plan for the region that would increase broadband infrastructure deployment, access and adoption through a system-wide regional approach. The strategic plan will guide the activities for years 2 and 3 of funding.</li> <li>• To create the Strategic Plan, the EBBC convened multiple stakeholders in a series of meetings and Roundtables. The first was a technology group which focused on broadband infrastructure to identify what is in place and planned and gaps. Roundtable One focused on Infrastructure and Economic Development, Roundtable Two on Digital Inclusion, Telehealth and Social Services and Roundtable Three on E-Education and E-Government. Close to 300 stakeholders participated in the four sessions and provided input and recommendations for priorities in the Strategic Plan.</li> </ul>
Eastern Sierra Connect Consortium	\$480,000	Mono, Inyo, Eastern Kern	<ul style="list-style-type: none"> <li>• Developed an online broadband survey for community residents to complete. As of October 2012, 555 individuals had completed the survey with 5% stating that they have no broadband availability. Survey results are being shared with existing service providers to encourage the expansion of facilities and buildup of subscription. The construction and deployment of broadband infrastructure is a primary goal of the region.</li> <li>• Reaching out to people to build awareness and have the community understand the mission of the Consortium by participating at local fairs, issuing several press releases and radio advertisements, conducting presentations to community fraternal and business organizations and maintaining a dynamic regional website.</li> <li>• Identified partners that could be part of its digital inclusion program and administrated Digital Literacy trainings to seniors in Lone Pine to create class material. Worked with local providers to see how a recycling program can be put in place to give away free computers to low-income individuals willing to connect to the Internet. Continuing to encourage local providers to offer low-income monthly Internet subscriptions similar to the Connect2Compete program.</li> </ul>



Regional Consortia	Grant Award	Counties	2012 Accomplishments
Gold Country Broadband Consortium	\$480,000	Sierra, Nevada, Placer, El Dorado, Eastern Alpine	<ul style="list-style-type: none"> <li>• Brought together homeowners, business owners, Internet Service Providers, public institutions and recipients of federal broadband grants to share knowledge in the five counties making up the Gold Country Consortium. As a result of this work, the consortium has played a supporting role in the preparation of a broadband infrastructure application that will be submitted on February 1, 2013 for CASF funding for a middle mile and fiber-to-the home project serving Nevada County. The consortium has also played a supporting role in the deployment of broadband infrastructure in El Dorado County.</li> <li>• Work has begun on delivering training on the use of the Internet for home-based businesses in Eastern Alpine County to take advantage of the new broadband infrastructure installed by Frontier Communications.</li> <li>• Created a broadband mapping capability database that uses data from GCBC members and other survey data to plot broadband availability and speeds. As part of this effort, the Consortium created and staffed a booth in the Nevada County fair and obtained over 400 names and contact information of people who provided speed survey results for their coverage mapping project.</li> </ul>
Inland Empire Regional Broadband Consortium	\$480,000	San Bernardino, Riverside	<ul style="list-style-type: none"> <li>• Reorganized the IERBC and identified a suitable fiscal agent to continue the consortium's mission under the Commission-approved CASF grant</li> <li>• Established the consortium's website, <a href="http://www.iebroadband.com">www.iebroadband.com</a> and maintained up-to-date information related to IERBC activities</li> <li>• Identified and developed potential projects in the region for submittal to the CASF Broadband Infrastructure Grant Program by the February 1, 2013, application deadline.</li> <li>• Working towards implementing Year One Work Plan activities to meet the first year goals of: Community outreach, participation at the annual CPUC Consortia Learning Summit, and developing an IERBC Broadband Infrastructure and Access Plan with a Project Priority List for the region.</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
Los Angeles County Regional Broadband Consortium	\$2,310,000	Los Angeles – 5 distinct sub-regions under the LACRBC umbrella	<p>Each of the 5 sub-regions has contributed to the collective success and achievement of the LACRBC. The following summarizes each sub-region’s contribution during the 2012 Calendar Year:</p> <p><b><i>Central-West -</i></b></p> <ul style="list-style-type: none"> <li>• Under the leadership of Community Centers, Inc., the Central-West Regional Broadband Consortia was able to connect with stakeholders at several City of Los Angeles Neighborhood Council meetings. This avenue enabled them to reach a larger audience and has also allowed them to communicate the goals and objectives for the sub-region. Sub-region leads took the opportunity to distribute outreach material and Broadband information at each of these meetings.</li> <li>• Facilitated a number of classes serving 1,025 students featuring lessons on Microsoft Office Suite. Classes welcome senior citizens, ex-offenders, and all other members of the community who are looking to improve their computer literacy skills. Traffic at their public computer center also continues to grow. Central West has graduated 15 students as Computer Refurbishing Technicians and currently it conducting its final class of eight students for the 2012 year.</li> </ul> <p><b><i>Gateway Cities -</i></b></p> <ul style="list-style-type: none"> <li>• Under the leadership of Southeastern Community Development, the Gateway Cities Regional Broadband Consortium focused on providing computer literacy classes, open computer lab access, and participating in community events to promote broadband adoption at various community centers and via the Mobile unit which accommodates 12 students per training session.</li> <li>• Using the Mobile Technology Unit, SCDC participated in several community events including the Earth Day Event in Bell, Relay for Life Event in Huntington Park, Southeast Health Fair in Maywood, Community Technology Fair in Long Beach, Dodger Job Fair at Dodger Stadium, WRD Groundwater Festival in Lakewood, and the SCAN Health Fair Event. During each of these events, the mobile unit is used to allow event-goers to search for jobs, learn about water conservation, and health resources. At the events, sub-region leads distributed information on broadband adoption and provided event participants with a mobile computer lab to allow them to search for jobs, learn about broadband services, and identify online health resources.</li> <li>• SCDC provided open lab access for 1,161 clients at the SCDC Employment Center in Bell Gardens. During open lab, clients search for jobs online, work on their resumes, and apply for jobs. Trainings and workshops also took place throughout the region.</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
			<p><b><i>San Fernando Valley -</i></b></p> <ul style="list-style-type: none"> <li>• Under the leadership of the Youth Policy Institute, the San Fernando Regional Broadband Consortium focused heavily on laying the groundwork to ensure smooth operations throughout the grant period. Lead agency, YPI met with consortium members, drafted and signed MOUs to communicate and solidify group expectations and outcomes, disseminated meeting calendars, and surveyed potential venues for local town hall meetings.</li> <li>• YPI worked with consortium partners to conceptualize and create curriculum tailored to the specific needs of San Fernando Valley youth and adults. Once curriculum was finalized, instruction commenced. Class participation has continuously grown throughout the year: 2,500 class participants and 197 workshop participants. Open lab participation has been especially successful at public computer centers throughout the region. The community has responded very positively to the availability of this resource. Traffic increases every day.</li> <li>• YPI worked to establish communication with local non-profit organizations, anchor institutions and local elected officials to spread the word about the work that is being done throughout the region.</li> </ul> <p><b><i>San Gabriel Valley -</i></b></p> <ul style="list-style-type: none"> <li>• Under the leadership of the El Monte High School District, the San Gabriel Valley sub-region worked to establish the infrastructure necessary for their new online Distance Learning Program. They hired an external consultant to help with training and implementation, choose appropriate curriculum for community members, and began training instructors. The region also worked to establish systems and procedures for online student management and online registration/orientation procedures. The sub-region also began recruiting online students through extensive outreach.</li> <li>• In preparation for open lab hours and new computer-based classes, lead agency, El Monte High School District's IT specialist evaluated equipment in their language lab. The inspection led to necessary upgrades that were necessary for the implementation of new programming. The updated lab is now better equipped for accommodating online programs. Online instruction has become an integral part of the sub-region's distance learning program.</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
			<p><b><i>South Bay -</i></b></p> <ul style="list-style-type: none"> <li>• Under the leadership of Manchester Community Technologies, the South Bay Regional Broadband Consortium has initiated and/or deployed five ¼ to 1 mile Wi-Fi networks to include three in Los Angeles; Vermont, Pico, and Leimert Boulevards in the Central West sub-region. In the Gateway Cities sub-region, two networks were initiated in the Watts and Compton communities. Approval was obtained to move forward with the Huntington Park network as well. The San Fernando Valley network along Van Nuys Boulevard has been anchored.</li> <li>• South Bay also focused heavily on providing business communities with digital knowledge to assist technology usage amongst small business owners. Twelve or more tech-centric workshops were held exclusively for business owners to promote online applications and usage in day-to-day operations. Sub-region leaders spoke at Business Improvement Districts, Chamber of Commerce's and various local City Council meetings throughout the county. The South Bay Consortium was also active in promoting the CPUC/CASF grant opportunity by meeting with potential Infrastructure applicants.</li> </ul>

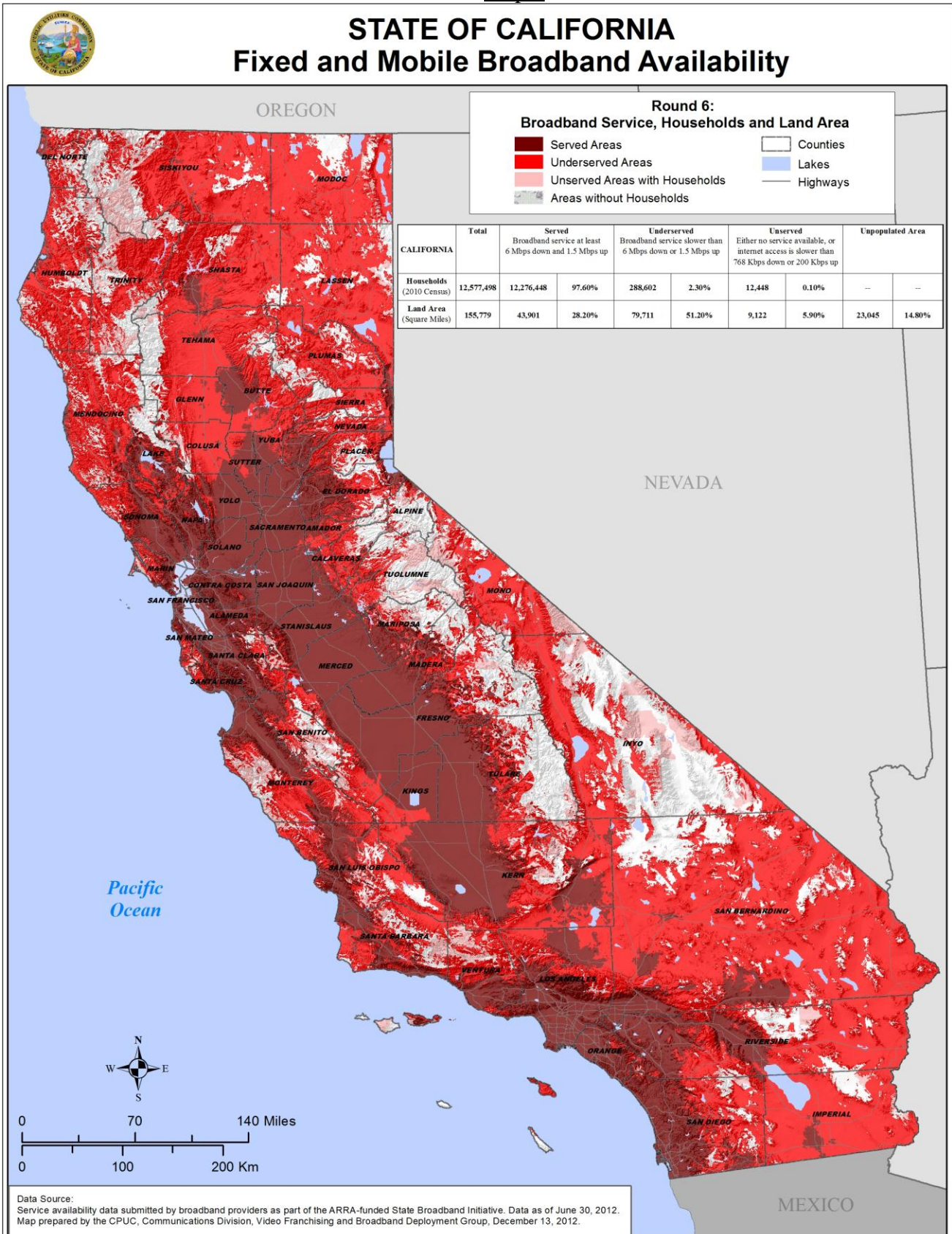
Regional Consortia	Grant Award	Counties	2012 Accomplishments
Northeastern California Connect Consortium	\$479,991	Butte, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama	<ul style="list-style-type: none"> <li>• In conjunction with the Northeastern California Connect Consortium, Upstate California Connect Consortium (UCCC) produced the Regional Middle-Mile Infrastructure Conceptual Design Plan and facilitated the formation of a new LLC to submit a \$108 million CASF grant application for infrastructure deployment, which will provide comprehensive, integrated, open access, middle-mile broadband infrastructure to 16 rural counties in Northern California (Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Siskiyou, Sonoma, Tehama, Trinity, and Yolo).</li> <li>• Identified and evaluated existing installed fiber and its availability to be part of the Regional Middle Mile.</li> <li>• Produced countywide backbone systems and community last-mile plans for Colusa, Glenn, Lake and Sonoma Counties.</li> <li>• Worked with relevant county governments to adopt policies/regulations to incorporate broadband fundamental infrastructure in each county's General Plan.</li> <li>• Issued a report assessing the availability of adoption programs in the UCCC: Colusa, Glenn, Lake and Sonoma Counties.</li> </ul>
Redwood Coast Connect Consortium	\$480,000	Humboldt, Del Norte, Mendocino, Trinity	<ul style="list-style-type: none"> <li>• In coordination with the Broadband Alliance of Mendocino County, collaborating on draft revisions to the County's <i>Wireless Guidelines</i> and created an "access inventory" about each broadband connection of every anchor institution in the county.</li> <li>• Organized the creation of a county vendor connect register which includes all telecommunications vendors presently doing business or interested in doing business in the county, both middle-mile and last-mile providers.</li> <li>• Worked with Humboldt County Board of Supervisors to include a telecommunications element its General Plan update and asked RCC to implement those policies</li> <li>• Several tribes successfully were awarded federal grants in some of their most remote areas.</li> <li>• Completion of the Highway 36 Middle-Mile project funded by the CASF infrastructure grant program!</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
San Diego Imperial Regional Broadband Consortium	\$480,000	San Diego, Imperial	<ul style="list-style-type: none"> <li>• Identified three disconnected areas where broadband, as defined, is not available but needs to exist: Ocotillo, Salton Sea Beach, and Borrego Springs. Additional communities include Julian and Warner Springs.</li> <li>• Identified three low-adoption areas in Imperial County where broadband is available but under-utilized: Winterhaven, Heber, and Seeley.</li> <li>• Worked regularly with ISPs, small service providers, and other regional stakeholders to inform them about the CASF infrastructure grant program and attract interest to file deployment projects. Additional coordinated work with incumbents has elicited valuable information on whether their service delivery models can extend into unserved areas and still be commercially acceptable.</li> <li>• Surveyed 37,000 parents of Imperial County students about home access and available speeds. 13,504 responses show that home connectivity rates for Imperial County students is 26% non-connected and 74% connected. In large part, the reports detail only that they have connections at home, and not the speed at which they connect. San Diego County Office of Education will replicate this survey for their San Diego students.</li> <li>• Obtained support from elected officials such that both counties have adopted the Get Connected! Resolution and expressed significant support and interest in expanding broadband access. SDIRBC continues to work with officials to adopt policies that promote deployment and adoption.</li> </ul>
San Joaquin Valley Regional Broadband Consortium	\$480,000	San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, Kern	<p>Using a large-scale outreach approach, the consortium is working to promote increased broadband access and adoption. The consortium is exploring a variety of solutions to reach rural communities that includes:</p> <ul style="list-style-type: none"> <li>• In conjunction with City of Fresno’s Strong Cities, Strong Communities program, working to launch an agricultural pilot site that will use broadband-enabled water-efficient framing technology in the fields. This wide-scale deployment of technologies is expected to advance broadband access in rural areas by sparsely populated land parcels which have the potential to become broadband adopters.</li> <li>• Working on broadband adoption through digital literacy outreach via a concept proposal submitted to the California Emerging Technologies Fund. One example in the plan is to have Wi-Fi-enabled buses tour the valley to provide digital literacy training to unserved and underserved residents.</li> <li>• Modeling on a local city’s construction of a municipally-owned fiber network, organized a webinar conference to educate rural cities and community service districts on the concept, gain support for at least one similar project in 2013, and thus seek grant funding.</li> </ul>

Regional Consortia	Grant Award	Counties	2012 Accomplishments
Upstate California Connect Consortium	\$478,184	Colusa, Glenn, Lake, Sonoma	<ul style="list-style-type: none"> <li>• In conjunction with the Northeastern California Connect Consortium, Upstate California Connect Consortium (UCCC) produced the Regional Middle-Mile Infrastructure Conceptual Design Plan and facilitated the formation of a new LLC to submit a \$108 million CASF grant application for infrastructure deployment, which will provide comprehensive, integrated, open access, middle-mile broadband infrastructure to 16 rural counties in Northern California (Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Siskiyou, Sonoma, Tehama, Trinity, and Yolo).</li> <li>• Identified and evaluated existing installed fiber and its availability to be part of the Regional Middle Mile plan.</li> <li>• Produced countywide backbone systems and community last-mile plans for Colusa, Glenn, Lake and Sonoma Counties.</li> <li>• Worked with relevant county governments to adopt policies/regulations to incorporate broadband fundamental infrastructure in each county's General Plan.</li> <li>• Issued a report assessing the availability of adoption programs in the UCCC: Colusa, Glenn, Lake and Sonoma Counties.</li> </ul>

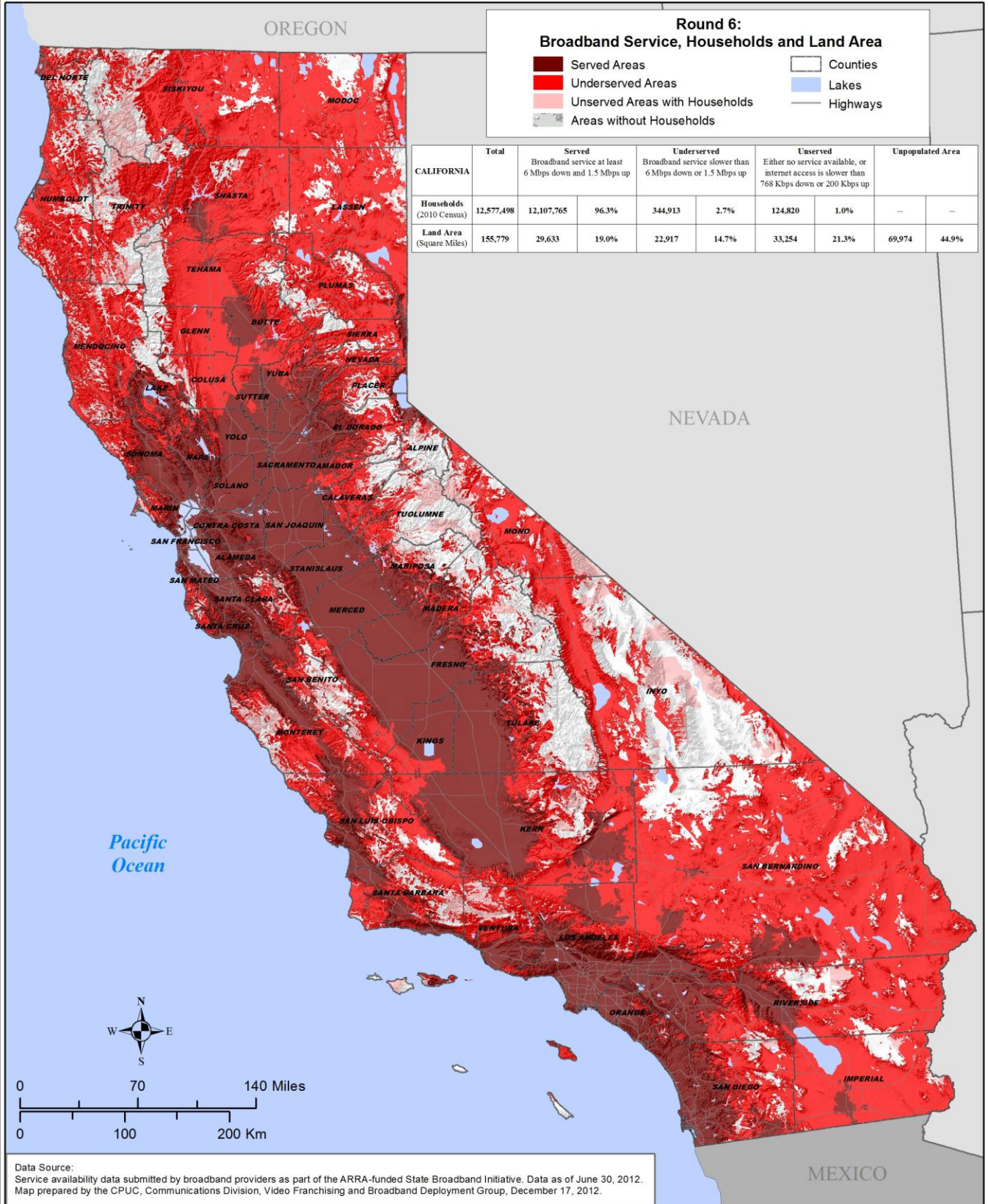
# Attachment F – Remaining Unserved and Underserved Areas of the State

Map 1





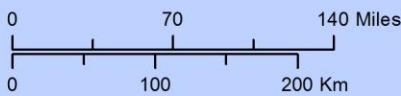
# STATE OF CALIFORNIA Wireline and Fixed Wireless Broadband Availability



**Round 6:  
Broadband Service, Households and Land Area**

- Served Areas
- Underserved Areas
- Underserved Areas with Households
- Areas without Households
- Counties
- Lakes
- Highways

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		Underserved Either no service available, or internet access is slower than 768 Kbps down or 200 Kbps up		Unpopulated Area	
		Households (2010 Census)	Land Area (Square Miles)	Households	Land Area	Households	Land Area	Households	Land Area
	12,577,498	155,779	12,107,765	29,633	344,913	22,917	124,820	33,254	69,974
			96.3%	19.0%	2.7%	14.7%	1.0%	21.3%	44.9%



Data Source:  
Service availability data submitted by broadband providers as part of the ARRA-funded State Broadband Initiative. Data as of June 30, 2012.  
Map prepared by the CPUC, Communications Division, Video Franchising and Broadband Deployment Group, December 17, 2012.