

D R A F T

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**Communications Division
Carrier Oversight and Programs Branch**

**RESOLUTION T- 17245
December 3, 2009**

R E S O L U T I O N

Resolution T-17245 Funding Approval for the California Valley Broadband Middle and Last Mile Project, from the California Advanced Services Fund (CASF), Amounting to \$8,216,583.

Summary

This Resolution adopts contingent funding for the California Valley Broadband (CVB) project, amounting to \$8,216,583 from the California Advanced Services Fund (CASF). The amount granted represents 10% of the project costs to provide broadband service to unserved and underserved areas in accordance with Commission Resolution T-17143 and Decision (D.) 09-07-020.

Background

On December 20, 2007, the Commission approved D.07-12-054 which established the two-year CASF program to provide matching funds of up to 40% of the total project costs for the deployment of broadband infrastructure in underserved and underserved areas in California.¹ Resolution T-17143, approved on June 12, 2008, adopted application requirements, scoring criteria for the award of funds, and a prescribed timeline for other filings and notifications including a projected Commission Meeting date for final approval of award(s). This same Resolution directed interested applicants seeking funding for underserved and underserved projects, to file their project proposals and funding requests beginning July 24, 2008 and August 25, 2008, respectively.

D.07-12-054 limited the extension of CASF funding to:

¹ SB 1193 (Chapter 393, Stats. of 2008) established the California Advanced Services Fund as a new public purpose program.

- Entities with CPCNs that qualify as “telephone corporations” as defined in § 234 of the Public Utilities Code (PU Code);
- Wireless carriers registered with the Commission and have granted a Wireless Identification Number (WIR);
- Entities who have pending applications for a CPCN; and
- A consortium with a member holding a CPCN or a WIR who will serve as the fiscal agent of the consortium (D.07-12-054 at pgs. 33-35, mimeo).

On July 9, 2009, the Commission issued D.09-07-020 establishing new schedules and plans for the filing, review and approval of an additional round of broadband project requests. This decision also provides the potential for the applicants to seek CASF program funding while pursuing funding for broadband deployment grants issued under the American Recovery and Reinvestment Act (ARRA).² Because federal grants under ARRA can fund up to 80% of the project, the Commission provided applicants, in D.09-07-020, the opportunity to seek an additional 10% funding coverage from the CASF, leaving only 10% for the applicant to provide.

On July 29, 2009, Governor Schwarzenegger signed Assembly Bill (AB) 1555 (Chapter 24, Statutes of 2009), amending Section 281 of the PU Code to expand CASF eligibility to any entity applying for CASF funding in conjunction with their ARRA funding request provided that entity satisfies the eligibility requirement for CASF funding. AB 1555 also provides that the Commission establish requirements and guidelines for non-certificated applicants.

On October 29, 2009, the Commission approved Resolution T-17233 establishing application requirements and guidelines for non-certificated applicants and broadband providers applying for CASF grant money, in conjunction with an application for ARRA funding, to develop and deploy broadband infrastructure.

As of October 29, 2009, \$15.12 million has been granted for 30 projects covering 4,942 square miles, benefiting 41,209 potential households as follows:

- Unserved- \$11.4 million, 16 projects, 4,284 square miles, and 32,284 households
- Underserved- \$3.8 million, 14 projects, 658 square miles, 8,925 households.

Notice/Protests

The Census Block Group (CBG) list for CVB’s project appeared by county on the Commission’s CASF website page under “(1) UNSERVED areas proposed to be served as of July 17, 2009: Census Block Groups (CBGs),” and (2) UNDERSERVED areas

² The American Recovery and Reinvestment Act (ARRA) appropriates \$7.2 billion for grants and loans to support broadband deployment on a national level. ARRA offers a unique and ground breaking opportunity for California to partner with the federal government and other state agencies in advancing the goal of bridging the digital divide.

proposed to be served as of July 17, 2009: Census Block Groups (CBGs)". Subsequently when CVB amended their application, removing some CBGs and adding additional CBGs, additional CBGs were posted to the CASF website page as of October 5, 2009. Challenges were filed against the list of CBGs posted as of July 17, 2009. No challenges were filed against the additional list of CBGs posted as of October 5, 2009. Communications Division (CD) proceeded to review and analyze the proposed project areas to verify that they were indeed unserved and/or underserved as of the applicant's filing date.

Discussion

This Resolution adopts contingent funding of \$8,216,583 for the proposed CVB project in the Central Valley and associated Delta communities. This project is described in detail in Appendix A, pages A-1 to A-19. Maps of the proposed project can be found on pages A-20 and A-21 of Appendix A. The total project cost is estimated at \$82,165,826 of which 10%, or \$8,216,583, is being requested from CASF as a match to their 80% ARRA fund request.

On July 17, 2009, CVB submitted a project proposal under U-4228-C for the unserved and underserved areas of the Central Valley region, under the requirements of Resolution (Res.) T-17143. CVB's proposed project cost was \$102,474,691. Subsequently, CVB amended its original application for CASF grant funding by submitting an amended application on October 5, 2009, as a non-certificated applicant pursuant to AB1555, after addressing issues raised by the Commission during its review of the original grant application. In this amended application, CVB also reduced their CASF funding request to \$82,165,826, and reduced the number of proposed CBGs for both unserved and underserved areas from a total of 822 CBGs to 549 in response to challenges filed on the original July 17, 2009 application.

CVB is a consortia of the principals of Moreno Trenching Ltd, Mika Telecom Group, and MT2 Telecom, LP, formed in May 2009 to develop the CVB project. CVB's principals have extensive experience in wireless communications, engineering construction and design.

CVB's project proposes to deploy a fixed wireless network using two unregulated (WiFi) frequencies and one licensed (WiMAX) frequency that will deliver high speed internet services to the seven county region of the Central Valley, which includes Sacramento, Solano, San Joaquin, Stanislaus, Merced, Madera, and Fresno counties. CVB will also provide services for Voice over IP (VoIP) or permit other VoIP services to be used on the network. CVB asserts that wireless distribution is the most cost effective method to distribute bandwidth over such a large and diverse area. The proposed network will utilize 120 existing co-locatable tower facilities for approximately 90% of its access point facilities in the first year of deployment, and will construct ten (10) new site towers with copper backhaul Dual T-1's in year two. This technology allows for the

most expedient deployment to over 90% of the proposed unserved and underserved households within the project's coverage area. The CVB middle mile network anticipates utilizing redundant multi-point to point licensed Motorola PTP 800 Ethernet bridge microwave units for the backhaul to fiber links, and between primary towers. Each county covered will have three licensed Motorola PTP 800 backhaul to fiber links, feeding into the CVB network's primary tower location. According to CVB, the fiber backhaul will be provided by any one or combination of three different providers; CENIC, Comcast and/or Qwest. The fiber backhaul is the first choice to deliver broadband to the network because a fiber connection to each county will deliver up to 7 Gbps to the network through intranet connections across the proposed network. Each primary tower will also be equipped with 2 licensed Ethernet bridge microwave units. The network will be managed and controlled from a single network operating center (NOC) located within the project area and staffed for network monitoring and second tier support. Once full radio frequency engineering is performed, repeater sites will be dispersed to provide necessary access and signal strength to the communities and households applying for service. CVB will deploy an average of 0.5 repeater sites per primary site for a total of 65 repeater tower sites. The network will consist of Access Point broadcast radios transmitting broadband signal to Subscriber Unit radios, installed at the customer premise, that will be owned and maintained by CVB.

The total proposed network footprint represents 9,296 square miles, seven counties, and includes an estimated 41,313 potential unserved households and 44,210 potential underserved households by census block group (CBG). The method CVB used to determine unserved and underserved households was to apply the percentage of land area covered by the BBTF map in the CBG to the number of housing units found within the borders of the CBG for both unserved and underserved household counts. The CVB project will partner with a wireless service provider to provide wireless internet service. CVB estimates that the project would be completed within 24 months from the beginning of construction, expected to start upon approval of this resolution.

CVB proposes to offer high-speed internet access service at speeds of up to 20 mbps download and up to 6 mbps upload. The following table outlines CVB's initial product and pricing service strategy. CVB's proposal includes a 3-year term commitment which guarantees this pricing program for three (3) years. CVB's Terms of Service include a 30-day money back guarantee with any 1-year or 2-year subscription plan. Customers with a one or two year plan may cancel the agreement for any reason by delivering written notice to Provider at any time within 30 days after the effective date of the Agreement. Non-recurring charges include a basic installation fee for non-term agreement equal to \$150 for a single computer. Installation of home network is optional; the fee is \$125 and includes Wireless Router. Any network services will be provided for \$75 per hour of technician time on site plus travel. CVB's business terms and conditions will apply to all customer accounts.

California Valley Broadband, LLC Proposed Broadband Services and Pricing

Service Delivery	Basic Service Near-Line-of-Sight (NLOS)	Hi-Speed Service Line-of-Sight (LOS)	Premium Service Line-of-Sight (LOS)
Price	\$34.95	\$44.95	\$54.95
Down Load	3.3 Mbps	6 Mbps	20 Mbps
Up Load	3.3 Mbps	6 Mbps	4.2 Mbps
Est. Take Rate	33.3%	33.3%	33.3%

CVB asserts that California’s Central Valley is a region of severe unemployment and very high foreclosure rates. With the deployment of CVB’s project, more households and businesses in the region will have access to broadband service, and nearly 560 construction and related jobs is expected to be created. This job creation is an economic benefit to the Central Valley communities served.

According to CVB, this project is a proposal to cover the small and large “pockets” of diverse unserved and underserved communities, households and businesses through the seven county region of the Central Valley using wireless technology. As such, the project will bring broadband access to potential new subscribers, create jobs, reduce the poverty level, stimulate economic output and growth, and improve the lives of the residents of the Central Valley area.

For qualification purposes under the CASF program, unserved areas are defined as areas not served by any form of facilities-based broadband, or where internet connectivity is available only through dial-up service or satellite. Likewise, underserved areas are defined as areas where broadband service is available but no facilities-based provider offers service at speeds of at least 3 mbps download and 1 mbps upload.

Communications Division (CD) reviewed CVB’s project eligibility through analysis of the required submitted data. These data include, but are not limited to: descriptions of current and proposed broadband infrastructure; Geographic Information System (GIS) formatted Shapefiles mapping the subject areas; assertion that the area is unserved and/or underserved; potential subscriber size and household incomes; project construction schedule; project budget; proposed pricing and commitment period for new subscribers; and, financial qualifications of the applicant. In addition, CD reviewed the submitted Shapefiles, which mapped the broadband deployment proposed using United States 2000 Census data, the January, 2008, Broadband Task Force Report (BBTF) including its on-line maps, and the revised August 10, 2009, California Broadband Task Force (CBTF) maps, among others.

In the original July 17, 2009 application, 404 out of 503 unserved CBGs were formally challenged; and 196 out of 319 underserved CBGs were formally challenged. In response to these challenges and to incorporate CVB organizational changes since its initial filing, CVB amended its application on October 5, 2009, this time as a non-certificated applicant pursuant to AB 1555. In its amended application, CVB removed 266 unserved and 19 underserved CBGs, which were previously posted to the CASF website as of July 17, 2009, and also added 12 underserved CBGs. In summary, CVB proposes to serve 237 unserved CBGs and 312 underserved CBGs.

As part of its review of the amended application, CD analyzed the CVB Middle and Last Mile project to verify that the areas proposed to be served by CVB did not coincide with areas shown as served and not unserved or underserved on the updated broadband availability maps. CD staff overlaid the Shapefiles submitted by CVB to the updated California Broadband Task Force (CBTF) report maps and challenged areas to verify the broadband speeds in the proposed area. CD staff used this same method of overlaying Shapefiles applicants submitted onto the CBTF maps to determine which areas in a CBG are served, unserved or underserved. CD also posted the additional underserved CBGs that CVB amended in its amended filing. CD staff then met with CVB to discuss challenges to the proposed areas.

For the unserved areas proposed, CD identified CBGs as already partially served, served, or where approval is already pending for applicants other than CVB. CD confirmed that the remaining unserved areas proposed by CVB are not served. CVB responded to the challenges by removing project areas identified on the maps as served or pending CASF approval, further reducing the total unserved CBGs to 216.

For the underserved areas proposed and challenged, CVB responded by removing portions of project areas identified on the maps as pending CASF approval. CVB also conducted surveys and provided CD data from competitive broadband providers, including advertisements, inquiries and scripts with customer service reps, attesting to competitive download speed offerings from 768 kbps to 20 mbps and upload speeds ranging from 128 kbps to 896 kbps. After discussion between CD staff and CVB, it was determined that the challenges filed to CVB's underserved areas, other than the areas already pending CASF approval, are not valid.

CVB is required to comply with all the guidelines, requirements, and terms and conditions associated with the granting of CASF funds for non-licensed broadband providers as specified in the ordering paragraphs of Res. T-17233, such as 1) the requirement to post a performance bond equal to the total amount payable under this CASF award, or 10% of the project costs, 2) the requirement to submit the performance bond within five business days after completion of the California Environmental Quality Act (CEQA) review; 3) the requirement to submit the information sheets in Appendices 1 and 2 of Res. T-17233 within 10 business days from the effective date of

Res. T-17233 as part of their application; 4) the condition that all applicants must agree in writing to allow the Commission to inspect the applicant’s accounts, book, papers, and documents related to the application and award of CASF funds; 5) the requirement to comply with all the guidelines, requirements and conditions associated with the granting of CASF funds as specified in Res. T-17143, including, but not limited to, the submission of Form 477 annually to the Federal Communications Commission as discussed in Res. T-17143.

As CVB’s project is subject to CEQA, CVB must receive CEQA review approval prior to receiving CASF funding. CVB must identify any other special permit requirements and will provide those with a cross-reference to the government agencies from which the permits will be or have been required for this project.

The receipt of the CASF grant is contingent on CVB’s 1) compliance with the requirements in Res. T-17233 and Res. T-17143; 2) receipt of ARRA funding; and 3) CEQA review approval.

Payments to CASF Recipients

Submission of invoices from and payments to CVB shall be made in accordance with Section IX of Appendix A of Resolution T-17143 and according to the guidelines and supporting documentation required in Resolution T-17143.

Payment to CVB shall essentially follow the process adopted for funds created under Public Utilities Code §270. The following table describes the timeline for processing CASF payments.

Event	Payment Cycle 1 (Day/Month)	Payment Cycle 2 (Day/Month)
Invoices due from California Valley Broadband Telecommunications, Inc. to CD	5 th of Month 1	20 th of Month 1
Payment letters from CD to Information and Management Services Division (IMSD) ³	On 19 th of Month 1	On 4 th of Month 2
Invoices submitted from IMSD to State Controller’s Office (SCO) for payments	20 th through 26 th of Month 1	5 th through 13 th of Month 2

³ The above schedule is contingent on the CASF recipient submitting clear, complete, and error-free invoices to CD. Additional time to process payments may be necessary if CD finds problems with the submitted invoices.

CVB may submit its invoices under Payment Cycle 1 or 2.

If any date in this payment schedule falls on a weekend or holiday, that date will be advanced to the next business day but the remaining dates in the payment schedule will remain unchanged. The SCO requires 14 to 21 days to issue payment from the day that requests are received by SCO. Approval and disbursement of the first 25% CASF payment is contingent upon CVB's (1) compliance with the requirements in Resolutions T-17233 and T-17143; (2) receiving ARRA funding approval, and (3) completion of the Commission's CEQA review.

Comments on Draft Resolution

In compliance with PU Code § 311(g), a notice letter was emailed on November 3, 2009, informing a) all CASF applicants filing under D.09-07-020, and b) parties on the service list of R.06-06-028 of the availability of the draft of this Resolution for public comments at the Commission's website <http://www.cpuc.ca.gov/static/documents/index.htm>. This letter also informed parties that the final conformed Resolution adopted by the Commission will be posted and will be available at this same website.

Conclusion

The Commission finds CD's recommended contingent CASF funds award for 216 unserved and 312 underserved areas in the CVB Middle and Last Mile project as discussed in this resolution and summarized in Appendix A to be reasonable and consistent with Commission orders, and, therefore, adopts such award. CVB's contingent funding is based on 1) compliance with the requirements of Resolutions T-17233 and T-17143; 2) receiving ARRA funding, and 3) CEQA review approval. If CVB is unable to obtain ARRA funding and CEQA review approval and as a result will not build the Middle and Last Mile project, then CVB should notify the CD Director that the project will not be built so that CASF funds may be reallocated to other grants. CVB is also required to post a performance bond and provide a copy of the bond to CD as directed in this resolution.

Findings

1. The CASF was established as a two-year program that will provide matching funds of up to 40% of the total project costs for the deployment of broadband infrastructure in unserved and underserved areas in California.
2. Resolution T-17143, approved on June 12, 2008, adopts the application requirements and scoring criteria for the award of funds, a prescribed timeline for other filings, and notifications including a projected Commission Meeting date for final approval of award(s). T-17143 directed interested applicants seeking funding for unserved and underserved projects to file their project proposals and funding requests beginning July 24, 2008.

3. On July 9, 2009, the Commission issued D.09-07-020 approving a new CASF schedule and plan for an additional round of broadband projects that would complement broadband grants awarded under the federal government's American Recovery and Reinvestment Act (ARRA). While retaining the 40% matching grant process, the Commission in this Decision authorized providers an option of seeking a 10% grant from the CASF concurrent with efforts to seek an 80% grant from the ARRA fund.
4. CVB filed an application on July 17, 2009, seeking 10% CASF funding under U-4228-C, and subsequently filed an amended application on October 5, 2009 as a non-certificated applicant pursuant to AB 1555 .
5. On October 29, 2009, the Commission approved Resolution T-17233, adopting the application requirements and guidelines for non-licensed broadband providers/applicants applying for CASF grant money in conjunction with an application for ARRA funding to support broadband infrastructure.
6. A list of census block groups (CBGs) appeared by county on the Commission's CASF website page under "UNSERVED areas proposed to be served as of July 17, 2009: Census Block Groups (CBGs)", and "UNDERSERVED areas proposed to be served as of July 17, 2009: Census Block Groups (CBGs)." Subsequently additional CBGs appeared by county on the CASF website under "UNDERSERVED areas proposed to be served as of October 5, 2009. CD proceeded with its independent review and analysis of this project area to verify that it was unserved and/or underserved as of the applicant's filing date.
7. Unserved areas are defined as areas not served by any form of facilities-based broadband, or where internet connectivity is available only through dial-up service or satellite.
8. Underserved areas are defined as areas where broadband is available but no facilities-based provider offers services at speeds of at least 3 mbps download and 1 mbps upload.
9. CVB's Middle and Last Mile project proposes to deploy a fixed wireless network that will deliver high speed internet services throughout the greater Central Valley region.
10. CVB's proposed network will utilize 120 existing co-locatable tower facilities for approximately 90% of its access point facilities in year one and will construct ten (10) new site towers with copper backhaul Dual T-1's in year two. CVB proposes to deploy three different wireless frequencies (900 MHz, 2.4 GHz, 3.65 GHz) using WiFi or WiMAX protocols.
11. CVB's proposed project will deploy two different microwave frequencies for its Middle Mile, and fiber backhaul. Each county covered will have 3 licensed Motorola PTP 800 backhaul to fiber links, feeding into the CVB networks' primary tower locations. The fiber backhaul connections will be provided by any one or combination of three different providers; CENIC, Comcast and/or Qwest.

12. CD reviewed CVB's Middle and Last Mile project eligibility through the analysis of required data submitted. These data include, but are not limited to: proof of Certificate of Public Convenience and Necessity (CPCN) registration; descriptions of current and proposed broadband infrastructure; geographic information system (GIS) formatted Shapefiles mapping the subject areas; assertion that the area is underserved; potential subscriber size and household incomes; project construction schedule; project budget; proposed pricing and commitment period for new subscribers; and, financial qualifications of the applicant.
13. CD reviewed the shapefiles, which mapped the broadband deployment, using sources including, but not limited to, the United States 2000 Census data, the January, 2008, Broadband Task Force Report, and the revised August 10, 2009, California Broadband Task Force map, among others. These maps helped to verify the existence or non-existence of broadband service areas and broadband speeds, where available.
14. Of the 237 unserved Census Block Groups (CBGs) in CVB's amended proposal, 155 were formally challenged. Of the 312 underserved CBGs in the proposed project, 178 were formally challenged.
15. CD conducted an independent review and analysis of CVB's amended proposal, which included discussion with CVB regarding their proposal and challenges. Subsequently CVB withdrew 21 unserved CBGs and 19 underserved CBGs from their amended proposal. CVB also added 12 underserved CBGs and resubmitted shapefiles removing many of the served or partially served areas while recalculating project costs based on the withdrawal and redrawing.
16. CD determined that the CBGs covering the proposed areas are qualified as unserved and underserved as defined in Resolution T-17143.
17. After its review, CD determined the CVB Middle and Last Mile project application for unserved and underserved areas covering 216 unserved and 312 underserved CBGs as eligible to receive funding under CASF.
18. CVB is required to post a performance bond equal to the total amount payable under this CASF award, or 10% of the project cost, and provide a copy of the bond to CD within five business days after the completion of the CEQA review, in accordance with the existing CASF funding rules.
19. CVB should comply with all guidelines, requirements, and conditions associated with the granting of CASF funds as specified in the ordering paragraphs of Resolutions T-17233 and T-17143 including the submission of FCC Form 477 and compliance with the CEQA, among others.
20. Approval and disbursement of the first 25% CASF payment is contingent upon CVB's 1) compliance with the requirements of Res. T-17233 and T-17143; 2) receiving ARRA funding approval; and 3) completion of the Commission's CEQA review.

21. If CVB is unable to obtain ARRA funding and CEQA review approval and will not build the Middle and Last Mile project, then CVB should notify the CD Director that the project will not be built so that CASF funds may be reallocated to other grants.
22. A notice letter was emailed on November 3, 2009, informing a) all applicants filing for unserved and underserved areas and, b) parties on the service list of R.06-06-028 of the availability of the draft of this Resolution for public comments at the Commission's website <http://www.cpuc.ca.gov/static/documents/index.htm>. This letter also informed parties that the final conformed Resolution adopted by the Commission will be posted and available at this same website.
23. The Commission finds CD's recommended contingent CASF award to CVB, for unserved and underserved areas in the CVB Middle and Last Mile project and as discussed in this resolution and summarized in Appendix A, to be reasonable and consistent with Commission orders and should be adopted.

THEREFORE, IT IS ORDERED that:

1. The California Advanced Services Fund shall award contingent funding of \$8,216,583 from the California Advanced Services Fund to CVB., for the Middle and Last Mile project to provide service in unserved and underserved areas as described in the Discussion section and summarized in Appendix A of this Resolution. The award is contingent on CVB receiving (1) an ARRA grant for 80% of the total estimated project cost, (2) CEQA review approval, and (3) compliance with the ordering paragraphs of Res. T-17233.
2. CVB shall post a performance bond equal to the total amount payable under this CASF award, or 10% of the project cost, and provide a copy of the bond to CD within five business days after completion of the CEQA review in accordance with the existing CASF funding rules.
3. CVB shall comply with all guidelines, requirements, and conditions associated with the CASF funds award as specified in Resolutions T-17233, T-17143 and D.09-07-020 and the California Environmental Quality Act.
4. CVB shall notify the CD Director of the disposition of its (1) ARRA application for the Middle and Last Mile project, and (2) CEQA review.
5. CVB shall submit a Proponent's Environmental Assessment (PEA) to Commission staff as instructed in Resolution T-17143, as soon as project-level details become known and, prior to the submission of request for program payments. The Commission cannot disburse funds until the CEQA review is completed.
6. If the CVB Middle and Last Mile project will not be completed, then CVB shall notify the CD Director so that the committed CASF funds may be reallocated for other grants.

7. The program fund payment of \$8,216,583 for this Commission-approved underserved project shall be paid out of the CASF fund in accordance with the guidelines adopted in Resolutions T-17233, T-17143 and D.09-07-020.
8. Payments to CVB shall be in accordance with Section IX of Appendix A of Resolution T-17143 and in accordance with the process defined in the "Payments to CASF Recipients" section of this resolution.

This Resolution is effective today.

I hereby certify that this Resolution was adopted by the Public Utilities Commission at its regular meeting on December 3, 2009. The following Commissioners approved it:

PAUL CLANON
Executive Director

APPENDIX A
California Valley Broadband, LLC
California Valley Broadband - Project
Key Information

1	<i>Project ID</i>		
2	<i>Project Name</i>	California Valley Broadband	
3	<i>Project Plan</i>	California Valley Broadband (CVB) is a superior fixed wireless network. CVB anticipates utilizing a 'tri-band' deployment of two unregulated (WiFi) frequencies and one licensed (WiMAX) frequency to accommodate range, terrain, tree and other interference issues.	
4	<i>Project Size (in square miles)</i>	6,615 Unserved 2,681 Underserved	
5	<i>Download speed</i>	Up to 20 mbps	
6	<i>Upload speed</i>	Up to 6 mbps	
7	<i>Location</i>	Sacramento, Solano, San Joaquin, Stanislaus, Merced, Madera and Fresno Counties	
a)	<i>Community Name</i>	Avocado, Bretz Mill, Broadview Farms, Burrel, Calflax, Cantua Creek, Cedar Grove, Cedarbrook, Cella, Chaney Ranch, Clint, Conejo , Crabtree, Deer Crossing , Dunlap, Elk, Etheda Springs, Five Points , Giffen Cantua Ranch, Goodmill, Gravesboro , Hoffman Point, Hume, Hume Station	
		Kanawyers , Levis, Mercey Hot Springs, Minkler, Miramonte, Monmouth, Mono Hot Springs, Navelencia , Oro Loma , Oxalis, Panoche Junction, Parkfield Junction, Piedra , Piedra Post Office, Pilibos Ranch, Pinehurst, Rodgers Crossing, Schilling, Squaw Valley, Three Rocks, Vanguard	
		Westhaven , Westside, Wildflower, Wood Ranch , Berenda , Bonita, Central Camp, Daulton, Italian Swiss Colony, Kismet, La Vina, Trigo, Whisky Falls, Athlone, Ballico, Brito, Cortez, Cortez, Cressey, Dos Palos Y, Hamburg Farms, Hopeton, Ingomar, Merced Falls, Santa Rita Park, Snelling	
		South Dos Palos, Stevinson, Bruceville, Clay, Emmaton, Herald, Point Pleasant, Burnham, Cometa, Dogtown, Gillis, Holt, Mokelumne City, Mossdale, New Hope, San Joaquin River Club, Thornton, Trull, Van Allen, Vernalis, Allendale, Birds Landing, Bucktown, Bunker, Chipps, Collinsville, Creed	
		Cygnus, Denverton, Dozier, Dutton, Jacksnipe, Maine Prairie, Meins Landing, Montezuma, Olcott, Oxford, Pierce, Rio Vista Junction, Spoonbill, Toland Landing, Vale, Woodward, Yolano, Cooperstown, Eugene, Hatch, Jet, Knights Ferry, La Grange	
		Montpelier, Ohm, Paulsell, Solyo, Stomar, Valley Home, Warnerville, Westley	

b)	<i>CBGs/Household Income</i>	<u>UNSERVED</u>	
		060190015002	\$37,007
		060190016001	\$43,026
		060190016002	\$35,972
		060190017004	\$39,063
		060190018003	\$42,500
		060190019001	\$41,667
		060190019003	\$30,385
		060190038033	\$50,833
		060190039002	\$28,594
		060190039003	\$23,262
		060190039004	\$29,583
		060190039005	\$27,895
		060190041001	\$46,429
		060190055152	\$77,073
		060190059021	\$54,567
		060190059022	\$70,000
		060190059024	\$36,250
		060190059025	\$21,932
		060190059042	\$45,250
		060190063001	\$60,331
		060190063002	\$52,188
		060190064012	\$69,375
		060190064013	\$47,727
		060190064014	\$44,700
		060190064015	\$55,682
		060190064016	\$30,000
		060190064021	\$61,563
		060190064022	\$53,224
		060190064025	\$20,417
		060190064031	\$25,455
		060190064032	\$32,368
		060190064033	\$29,850
		060190064034	\$43,884
		060190064035	\$33,785
		060190065001	\$23,912
		060190069003	\$35,000
		060190073001	\$37,404
		060190073003	\$42,813
		060190073005	\$48,030
		060190074001	\$25,982
		060190074002	\$34,250
		060190075001	\$29,821
		060190076001	\$33,043
		060190076002	\$31,538
		060190076003	\$40,938
		060190077001	\$35,391

		060190077004	\$25,455
		060190078001	\$31,399
		060190078002	\$21,250
		060190079001	\$31,771
		060190079002	\$47,159
		060190080001	\$43,929
		060190080003	\$58,203
		060190082001	\$28,269
		060190082003	\$30,250
		060190082006	\$27,467
		060190083022	\$24,766
		060190083023	\$27,969
		060190084015	\$29,875
		060190084021	\$25,769
		060190084022	\$27,981
		060390001021	\$28,281
		060390001023	\$35,304
		060390001031	\$37,831
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		060390001055	\$38,913
		060390002002	\$26,719
		060390002003	\$31,111
		060390002004	\$32,841
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		060390004002	\$29,875
		060390005031	\$30,750
		060390005032	\$39,265
		060390005033	\$49,468
		060390005061	\$45,729
		060390005072	\$43,375
		060390005073	\$31,319
		060390005081	\$43,281
		060390005091	\$60,139
		060390010001	\$47,188
		060390010002	\$66,599
		060390010003	\$29,432
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		060470002001	\$34,625
		060470002002	\$43,468
		060470002006	\$24,412
		060470003013	\$36,016
		060470003031	\$35,644
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		060470004002	\$50,183

		060470004003	\$52,778
		060470004004	\$35,000
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		060670094031	\$68,438
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		060670097002	\$43,750
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		060670098001	\$34,970
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		060770031081	\$64,833
		060770032151	\$65,580
		060770038032	\$28,906
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		060770039001	\$31,944
		060770039002	\$51,750
		060770040011	\$32,500
		060770040012	\$27,404
		060770040021	\$85,000
		060770041031	\$43,984

		060770041033	\$55,089
		060770041041	\$76,504
		060770046001	\$55,179
		060770046002	\$45,427
		060770046004	\$57,794
		060770047011	\$40,179
		060770047021	\$46,053
		060770047022	\$52,466
		060770047023	\$65,000
		060770047024	\$68,000
		060770048001	\$46,786
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		060770049021	\$52,727
		060770049023	\$42,095
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		060770050031	\$42,143
		060770051061	\$40,625
		060770051062	\$55,474
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		060770051191	\$38,958
		060770052021	\$44,519
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		060770055003	\$81,027
		060952508001	\$17,188
		060952518043	\$71,635
		060952521021	\$49,020
		060952521022	\$65,855
		060952522013	\$90,943
		060952522014	\$89,093
		060952522021	\$75,375
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		060952529031	\$76,725
		060952529032	\$69,514
		060952529033	\$93,371
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		060952533001	\$45,333
		060952533002	\$57,656
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		060990001011	\$46,964
		060990001012	\$65,972
		060990001013	\$51,875
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		060990005081	\$65,795
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		060990029011	\$50,083
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		060990031004	\$125,143
		060990031005	\$30,357
		060990032022	\$69,327
		060990032023	\$50,357
		060990033001	\$48,065
		060990033002	\$25,547
		060990033003	\$43,952
		060990033004	\$29,868
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		060990035004	\$46,471
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		060190018001	\$25,741
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		060190019001	\$41,667
		060190019002	\$31,932
		060190019003	\$30,385
		060190038031	\$28,261
		060190038033	\$50,833
		060190039001	\$41,667
		060190039002	\$28,594
		060190039003	\$23,262
		060190039004	\$29,583
		060190039005	\$27,895
		060190040001	\$29,018
		060190040004	\$42,625

		060190040006	\$26,579
		060190041001	\$46,429
		060190041002	\$30,250
		060190041003	\$32,667
		060190041004	\$35,208
		060190042071	\$60,521
		060190043011	\$120,268
		060190055032	\$29,375
		060190055111	\$71,767
		060190055112	\$59,167
		060190055151	\$30,507
		060190055152	\$77,073
		060190059022	\$70,000
		060190059024	\$36,250
		060190059042	\$45,250
		060190061005	\$31,250
		060190063001	\$60,331
		060190064011	\$32,985
		060190064012	\$69,375
		060190064013	\$47,727
		060190064014	\$44,700
		060190064015	\$55,682
		060190064016	\$30,000
		060190064021	\$61,563
		060190064022	\$53,224
		060190064023	\$48,472
		060190064024	\$50,417
		060190064025	\$20,417
		060190064026	\$49,750
		060190064033	\$29,850
		060190064034	\$43,884
		060190065001	\$23,912
		060190065002	\$22,404
		060190065003	\$21,691
		060190065004	\$22,426
		060190065005	\$32,045
		060190068011	\$25,101
		060190068021	\$32,679
		060190068022	\$31,250
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		060190070041	\$37,361
		060190071003	\$26,250
		060190072011	\$40,625
		060190072015	\$37,462
		060190072022	\$40,175
		060190073001	\$37,404

		060190073002	\$37,273
		060190073003	\$42,813
		060190073004	\$33,000
		060190073005	\$48,030
		060190074001	\$25,982
		060190074002	\$34,250
		060190074003	\$35,091
		060190075001	\$29,821
		060190075002	\$32,292
		060190075003	\$29,821
		060190075004	\$46,944
		060190075005	\$37,361
		060190076001	\$33,043
		060190076002	\$31,538
		060190076003	\$40,938
		060190076004	\$38,264
		060190077001	\$35,391
		060190077002	\$28,472
		060190078002	\$21,250
		060190078003	\$18,836
		060190078004	\$29,167
		060190079001	\$31,771
		060190079002	\$47,159
		060190080001	\$43,929
		060190080002	\$31,333
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		060190082002	\$44,107
		060190082003	\$30,250
		060190082006	\$27,467
		060190083013	\$23,864
		060190083021	\$17,348
		060190083022	\$24,766
		060190083023	\$27,969
		060190084013	\$41,761
		060190084015	\$29,875
		060190084016	\$25,938
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		060390002004	\$32,841
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		060390004002	\$29,875
		060390005031	\$30,750
		060390005032	\$39,265
		060390005033	\$49,468
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		060390005073	\$31,319
		060390005081	\$43,281
		060390005083	\$57,670
		060390005091	\$60,139
		060390007003	\$62,269
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		060390010003	\$29,432
		060390010004	\$26,750
		060470001001	\$32,065
		060470002002	\$43,468
		060470002003	\$43,068
		060470002005	\$43,963
		060470002006	\$24,412
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		060470003013	\$36,016
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		060470004004	\$35,000
		060470004005	\$50,341
		060470004006	\$36,129
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		060470005051	\$35,769
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		060470018021	\$29,100

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		060670094043	\$70,104
		060670094044	\$65,938
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		060670094061	\$73,125
		060670094062	\$62,679
		060670095011	\$33,214
		060670096041	\$39,464
		060670096042	\$77,059
		060670096051	\$35,313
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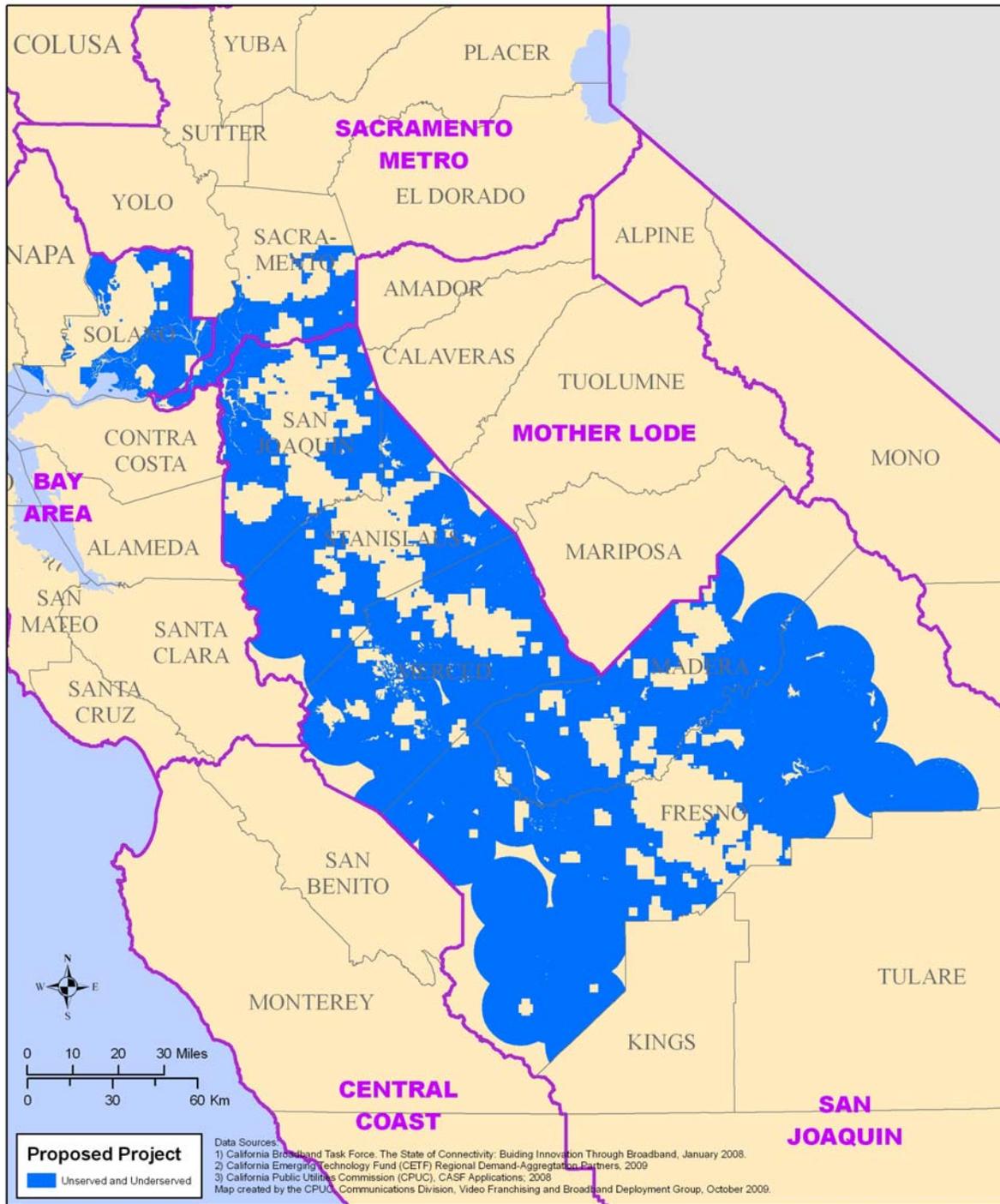
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		95690	
		95694	
8	<i>Estimated Potential Subscriber Size</i>		
a)	<i>Households</i>	41,313 Unserved	
		44,210 Underserved	
9	<i>Deployment Schedule (from Commission approval)</i>	24 months	
10	<i>Proposed Project Budget</i>	\$82,165,826	
	<i>CASF (10%)</i>	\$8,216,583	
	<i>CIAC</i>		
	<i>Amount of CASF Funds Requested</i>	\$8,216,583	

APPENDIX A
Resolution T-17245
California Valley Broadband, LLC
California Valley Broadband Shapefile



APPENDIX A
Resolution T-17245
California Valley Broadband, LLC
California Valley Broadband
Statewide Map



(End of Appendix A)