

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking
To Consider Modifications to the California
Advanced Services Fund

R. 12-10-012

**COMMENTS ON THE JULY 15, 2018 ASSIGNED COMMISSIONER RULING BY THE
CORPORATION FOR EDUCATION NETWORK INITIATIVES IN CALIFORNIA
(CENIC)**

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August 8, 2018

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I. Introduction

The Corporation for Education Network Initiatives in California (“CENIC”) respectfully submits these comments on the July 15, 2018 Assigned Commissioner Ruling (“ACR”) setting workshops and seeking comments on eligibility for and prioritization of broadband infrastructure funds from the California Advanced Services Fund (“CASF”) in the above referenced proceeding. CENIC is appreciative of the opportunity to participate in the July 25, 2018 workshop, and for the granting of party status in order to provide these comments for consideration in the record.

II. Discussion

A. Eligibility

In the ACR, the California Public Utilities Commission (“CPUC”) notes that served census blocks may not serve all households within a census block, and asks if a subscription rate of less than 51% of all households should qualify a census block to be eligible for the CASF.

CENIC would suggest another factor that the CPUC considers is the connectivity status of an anchor institution within the census block. For example, the Del Norte Center at the College of the Redwoods does not have broadband connectivity; however, this site is located within a census block that is considered served. While the bandwidth needs of anchor institutions are far greater (and require symmetrical download and upload speeds) than the bandwidth standard set by the California Legislature and CPUC for households, the lack of connectivity to an anchor could be indicative of the lack of available broadband infrastructure or capacity in the surrounding area.

We would also encourage the CPUC to allow census blocks, where an anchor institution is located without households (identified as a grey census block), but is located adjacent to an unserved census block, to be considered as an eligible area for a grant. These census blocks should be part of a larger CASF project that encompasses unserved census blocks, and in keeping with the spirit of this program, should not be funded independently. While increasing connectivity at an anchor does not directly impact the goal of achieving 98% availability, it does tend to make a project more sustainable for an applicant to have long-term customers in the area as high-speed broadband will only become more vital to anchor institutions each passing year.

B. Prioritizing Projects and Areas to Serve

As mentioned in our request for party status, CENIC's members consist of public libraries, K-12 districts and schools, community colleges, California State Universities, Universities of California, private universities and more. As such, CENIC would suggest that the CPUC consider prioritizing unserved census blocks where an anchor institution is located. By prioritizing census blocks with anchor institutions, our vital public-serving institutions will

benefit from improved connectivity and assist with exposing more individuals to the benefit of broadband access, which theoretically will help with the adoption issue in the long run.

CENIC is providing a list of sites that we have compiled since the public workshop for consideration in determining priority areas (see Attachments A and B). We do acknowledge that some of these sites have connectivity; however, they are located in a census block that are CAF II locations or are served, but have insufficient connectivity to meet the anchor institution's needs. Additionally, we caution that this is not an exhaustive list of all possible sites. For example, with libraries, who are CENIC's newest segment, we do not have data on every library branch (as only those who have pursued connectivity through CENIC are known to us), and for some of these sites, we have either: received bids from telecommunications providers, but the costs were too expensive; were wireless only, but still too expensive; or received no bid at all. We will continue to work with our members to continue to update and refine the list provided, and share an updated list with the CPUC in the future. The lists of sites in Attachment B also indicates those sites which would like to connect to high-speed broadband or connect at higher speeds, and which we hope informs providers of potential locations to serve or target to improve their infrastructure.

In AB 1665, the statute allows the CPUC to consider "fund[ing] all or a portion of the project. The commission shall determine, on a case-by-case basis, the level of funding to be provided for a project and shall consider factors that include, but are not limited to, the location and accessibility of the area, the existence of communication facilities that may be upgraded to deploy broadband, and whether the project makes a significant contribution to achievement of the program goal." CENIC would suggest that a factor the CPUC could consider is if the project area includes (an) anchor institution(s). The CPUC could condition a full funding award on the

requirement that the provider must provide a free drop to the anchor. A similar approach was taken in AB 2987 – the Digital Infrastructure and Video Competition Act¹ as well as with the American Recovery and Reinvestment Act, Broadband Technology Opportunities Project². For CAF recipients, they are required to bid in response to Form 470 submissions made by schools and libraries in the areas where they receive CAF funding — and to offer service at pre-discount rates that are “reasonably comparable to rates charged to schools and libraries in urban areas for similar services.”³ The Commission could take a similar approach with CASF projects. CENIC would recommend that any anchor institution included in a project must be connected back to the Z location as determined by CENIC, which we would do in consultation with the segment. This would ensure that the anchor’s network configuration and engineering is taken into account.

C. Middle-Mile Infrastructure

CENIC would suggest that middle-mile infrastructure that is tied to connecting an anchor institution should be viewed as indispensable and thus, eligible to be funded. Typically, anchor institutions need more robust service, and it may be necessary for a provider to upgrade their networks in order to deliver the service needed. Purchasing or leasing middle-mile for contract terms beyond five years tends to be more economical in the long run. By supporting the build out of middle mile for commercial carriers, it ultimately serves communities that have little or no access.

D. Line Extension Items

For the line extension program, the CPUC could additionally consider households where there is at least one child enrolled in K-12 educational system as this could help address the

¹ See Public Utilities Code Section 5890(b)(3) – “Holders provide service to community centers in underserved areas, as determined by the holder, without charge, at a ratio of one community center for every 10,000 video subscribers.”

² See NTIA’s NOFA https://www.ntia.doc.gov/files/ntia/publications/fr_bbnofa_090709.pdf

³ See <https://www.newamerica.org/education-policy/edcentral/fccnewrate/>

“homework gap” issue for these students as well as adult learners who are enrolled in the California Community Colleges, Online Community College. With the advent of online testing and increasing usage of digital content, access to broadband is important for students in order to complete their homework, and a cellphone is not a sufficient substitute. The Governor’s new Online Community College is aimed at the nearly 2.5 million Californians between the ages of 25 and 34 who are in the workforce, but lack a postsecondary degree or credential necessary to increase their earning potential. It is anticipated that students will begin enrolling in the last quarter of 2019, and access to broadband will be necessary for their success in the program.

III. Conclusion

CENIC is grateful to have the opportunity to provide these comments and looks forward to providing additional information on other sites as we continue to work on our list of priority areas. CENIC is supportive of the CASF program, and encourages the inclusion of anchor institutions and the public benefit that they provide to Californians.

Respectfully submitted,

/s/

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August 8, 2018

ATTACHMENT A

List of Sites

This listing corresponds with the “Priority Sites” identified on Attachment B-1.

Community Name: Alpine County Library	County: Alpine
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60030100001029	

Community Name: Alpine County Library, Bear Valley Library Station	County: Alpine
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60030100001185	

Community Name: Del Norte Center	County: Del Norte County
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60150001055006	

Community Name: Burrel Union Elementary	County: Fresno
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60190076002124	

Community Name: Westside Elementary	County: Fresno
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60190078021058	

Community Name: Fresno County PL, Bear Mountain Branch	County: Fresno
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 60190064034039	

Community Name: Fresno County PL, Piedra Station	County: Fresno
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60190064042097	

Community Name: Redway Elementary	County: Humboldt
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60230115001037	

Community Name: Trinidad Union Elementary, Marine Lab	County: Humboldt
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60230102002042	

Community Name: Corp Yard	County: Humboldt
Contain CAF II: unknown	Served by fixed wireless: unknown
Census Block(s): unknown	

Community Name: Humboldt County Library, Garberville Library	County: Humboldt
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60230116002030	

Community Name: City of Hoopa, Humboldt County Library, Kim Yerton Memorial Library	County: Humboldt
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 60239400001074 60239400001078	

Community Name: Humboldt County Library, Willow Creek (Klamath-Trinity) Library	County: Humboldt
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60230101021316	

Community Name: INYO COUNTY FREE LIBRARY, FURNACE CREEK BRANCH LIBRARY (Located in the Death Valley National Monument)	County: Inyo
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60270008001040	

Community Name: INYO COUNTY FREE LIBRARY	County: Inyo
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60270005001746	

Community Name: INYO COUNTY FREE LIBRARY, LONE PINE BRANCH LIBRARY	County: Inyo
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60270008004199	

Community Name: Inyo County Free Library, TECOPA BRANCH LIBRARY	County: Inyo
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): No match	

Community Name: Southern Outreach Center	County: Kern
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60290057001474	

Community Name: Kern River Valley Center	County: Kern
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60290052043021; 060290052043022	

Community Name: Eastern Sierra Center-Bishop	County: Kern
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60270002002010	

Community Name: KERN COUNTY LIBRARY, WOFFORD HEIGHTS BRANCH	County: Kern
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60290052013022	

Community Name: California State University Long Beach Ocean Studies Institute	County: Los Angeles
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60379800311065	

Community Name: MARIPOSA COUNTY LIBRARY, BASSETT MEMORIAL LIBRARY IN WAWONA	County: MARIPOSA
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60430004002035	

Community Name: MARIPOSA COUNTY LIBRARY, EL PORTAL LIBRARY	County: MARIPOSA
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60450111022003	

Community Name: MARIPOSA COUNTY LIBRARY, RED CLOUD LIBRARY	County: MARIPOSA
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60430002003090	

Community Name: MARIPOSA COUNTY LIBRARY, Yosemite Library	County: MARIPOSA
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60430004001058	

Community Name: MERCED COUNTY LIBRARY, SNELLING BRANCH LIBRARY	County: Merced
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60470025001246	

Community Name: Merced County Library, South Dos Palos Branch	County: Merced
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60470024021007	

Community Name: Merced County Library, Stevinson Branch	County: Merced
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60470004011087	

Community Name: Tahoe-Truckee Center	County: Nevada
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60570012062043	

Community Name: PLUMAS COUNTY LIBRARY, GREENVILLE BRANCH LIBRARY	County: PLUMAS
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60630004003022	

Community Name: Plumas County Library, Portola Branch Library	County: Plumas
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60630003002067	

Community Name: Westfield Mall	County: Riverside
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60650451181032	

Community Name: Boyd Deep Canyon Desert Research Center	County: Riverside
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60650451251083	

Community Name: James Reserve	County: Riverside
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60650438133084	

Community Name: Coachella Valley Agricultural Research Station	County: Riverside
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60650444033218	

Community Name: Box Spring Mountain Reserve	County: Riverside
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 60650422142025	

Community Name: Emerson Oaks Reserve	County: Riverside
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60650432573020	

Community Name: Sweeney Granite	County: San Bernardino
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): Best guess - 060710103001703	

Community Name: Victor Valley CCD's Regional Public Safety Trainer Center (RPSTC)	County: San Bernardino
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60710121011083	

Community Name: SCLA School of Aviation Technology	County: San Bernardino
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60719802001013	

Community Name: Cal Poly Pier	County: San Luis Obispo
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60790116003173; 06079011600	

Community Name: SAN LUIS OBISPO CITY-COUNTY LIBRARY, Shandon Library	County: San Luis Obispo
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60790103003032	

Community Name: Santa Rosa Island	County: SANTA BARBARA
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 060839801001044; 060839801001047	

Community Name: SANTA MARIA PUBLIC LIBRARY, CUYAMA LIBRARY	County: SANTA BARBARA
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 60830018001322	

Community Name: Montgomery Creek Elementary	County: Shasta
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60890126012473	

Community Name: PLUMAS COUNTY LIBRARY, ALLEGHANY STATION LIBRARY	County: SIERRA
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60910100003272	

Community Name: PLUMAS COUNTY LIBRARY, LOYALTON STATION LIBRARY	County: SIERRA
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60910100002016	

Community Name: PLUMAS COUNTY LIBRARY, SIERRA CITY STATION LIBRARY	County: Sierra
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60910100004387	

Community Name: Yreka Campus	County: Siskiyou
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 60930007012123	

Community Name: Mccloud Elementary	County: Siskiyou
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 60930012001701	

Community Name: Fairfield Osborn Preserve	County: Sonoma
Contain CAF II: Yes, ATT	Served by fixed wireless: No
Census Block(s): 60971513091003	

Community Name: Alps View High (Continuation)	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050001023003	

Community Name: Cox Bar Elementary Hayfork High	County: Trinity
Contain CAF II: Yes, Frontier	Partially Served by fixed wireless: Yes
Census Block(s): 61050003001367	

Community Name: Hoaglin-Zenia Elementary Mt. Lassic High (Continuation) Southern Trinity Adult Education Southern Trinity High Van Duzen Elementary	County: Trinity
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 61050004002006	

Community Name: Hyampom Arts Magnet Elementary	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: No
Census Block(s): 61050003002153	

Community Name: Lewiston Elementary	County: Trinity
Contain CAF II: Yes, ATT	Served by fixed wireless: Yes
Census Block(s): 61050001012031	

Community Name: Trinity Adult	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050001023003	

Community Name: Trinity Center Elementary	County: Trinity
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 61050001011386	

Community Name: Trinity High	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050001023003	

Community Name: Valley High	County: Trinity
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 61050003003001	

Community Name: Douglas City Elementary	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050001013067	

Community Name: Junction City Elementary	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050002001323	

Community Name: Trinity County Library, Hayfork Branch	County: Trinity
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 61050003003011	

Community Name: Trinity County Library, Trinity Center	County: Trinity
Contain CAF II: No	Served by fixed wireless: Yes
Census Block(s): 61050001011389	

Community Name: Trinity County Library, Main Branch	County: Trinity
Contain CAF II: Yes, Frontier	Served by fixed wireless: Yes
Census Block(s): 61050001023003	

Community Name: CI University Park	County: Ventura
Contain CAF II: No	Served by fixed wireless: No
Census Block(s): 61110056002037	

ATTACHMENT B

ATTACHMENT B - 1
PRIORITY SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
Library	Alpine County Library	270 LARAMIE ST.	Markleeville	96120	Alpine	60030100001029	Yes, Frontier	No
Library	Alpine County Library, Bear Valley Library Station	367 CREEKSIDE DR.	Bear Valley	95223	Alpine	60030100001185	Yes, ATT	No
CCC	Del Norte Center	883 W. Washington Blvd	Crescent City	95531	Del Norte	60150001055006	No	No
K-12	Burrel Union Elementary	16704 South Jameson Avenue	Riverdale	93656	Fresno	60190076002124	Yes, ATT	Yes
K-12	Westside Elementary	19191 West Excelsior Avenue	Five Points	93624	Fresno	60190078021058	Yes, ATT	Yes
Library	Fresno County PL, Bear Mountain Branch	30733 E. KINGS CANYON ROAD	SQUAW VALLEY	93675	Fresno	60190064034039	Yes, Frontier	Yes
Library	Fresno County PL, Piedra Station	25385 TRIMMER SPRINGS ROAD	Sanger	93657	Fresno	60190064042097	Yes, Frontier	No
K-12	Redway Elementary	344 Humboldt Avenue	Redway	95560	Humboldt	60230115001037	No	Yes
K-12	Trinidad Union Elementary	300 Trinity Street	Trinidad	95501	Humboldt	60230102002042	Yes, ATT	Yes
CSU	Marine Lab	570 Ewing Street	Trinidad	95570	Humboldt	60230102002042	Yes, ATT	Yes
Library	Humboldt County Library, Garberville Library	715 CEDAR ST.	Garberville	95542	Humboldt	60230116002030	No	Yes
CCC	City of Hoopa	65 Orchard Road	Hoopa	95546	Humboldt	60239400001074	Yes, Frontier	Yes
Library	Humboldt County Library, Kim Yerton Memorial	Loop Road	Hoopa	95546	Humboldt	60239400001078	No	Yes
Library	Humboldt County Library, Willow Creek (Klamath)	39 MAYFAIR ST	Willow Creek	95573	Humboldt	60230101021316	No	Yes
Library	INYO COUNTY FREE LIBRARY, FURNACE CREEK BRANCH	COW CREEK ROAD	DEATH VALLEY	92328	Inyo	60270008001040	Yes, ATT	No
Library	INYO COUNTY FREE LIBRARY	168 N. EDWARDS ST.	INDEPENDENCE	93526	Inyo	60270005001746	No	No
Library	INYO COUNTY FREE LIBRARY, LONE PINE BRANCH LIBRARY	127 Bush Street	Lone Pine	93545	Inyo	60270008004199	Yes, ATT	No
Library	Inyo County Free Library, TECOPA BRANCH LIBRARY	408 Tecopa Hot Springs Road	Tecopa	92389	Inyo	(No match)	Yes, ATT	No
CCC	Southern Outreach Center	140 Methusa Ave., Bldg. 2453	Edwards AFB	93524	Kern	60290057001474	No	No
CCC	Kern River Valley Center	5220 Lake Isabella Blvd	Lake Isabella	93240	Kern	60290052043021; 060290052043022	No	Yes
CCC	Eastern Sierra Center-Bishop	4090 W. Line Street	Bishop	93514	Kern	60270002002010	Yes, Frontier	No
Library	KERN COUNTY LIBRARY, WOFFORD HEIGHTS BRANCH	6400-B WOFFORD BLVD.	WOFFORD HEIGHTS	93285	Kern	60290052013022	No	Yes
CSU	California State University Long Beach Ocean Studies Institute	Fish Harbor, 820 S. Seaside Ave.	Terminal Island	90731	Los Angeles	60379800311065	No	No
Library	MARIPOSA COUNTY LIBRARY, BASSETT MEMORIAL LIBRARY IN WAWONA	7971 CHILNUALNA FALLS ROAD	WAWONA	95389	Mariposa	60430004002035	Yes, ATT	No
Library	MARIPOSA COUNTY LIBRARY, EL PORTAL LIBRARY	9670 RANCHERIA FLAT ROAD	EL PORTAL	95318	Mariposa	60450111022003	Yes, ATT	No
Library	MARIPOSA COUNTY LIBRARY, RED CLOUD LIBRARY	10332 C FISKE RD.	COULTERVILLE	95311	Mariposa	60430002003090	Yes, ATT	Yes
Library	MARIPOSA COUNTY LIBRARY, Yosemite Library	GIRLS CLUB/58 CEDAR COURT	YOSEMITE NATIONAL PA	95389	Mariposa	60430004001058	Yes, ATT	No
Library	MERCED COUNTY LIBRARY, SNELLING BRANCH LIBRARY	15916 N. HWY. 59	Snelling	95369	Merced	60470025001246	No	Yes
Library	Merced County Library, South Dos Palos Branch	21961 S. REYNOLDS AVE.	South Dos Palos	93665	Merced	60470024021007	No	Yes
Library	Merced County Library, Stevinson Branch	20314 W. THIRD AVE.	Stevinson	95374	Merced	60470004011087	Yes, ATT	Yes

ATTACHMENT B - 1
PRIORITY SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
CCC	Tahoe-Truckee Center	11001 College Trail	Truckee	96161	Nevada	60570012062043	No	Yes
Library	PLUMAS COUNTY LIBRARY, GREENVILLE BRANCH LIBRARY	204 ANN ST.	GREENVILLE	95947	Plumas	60630004003022	No	No
Library	Plumas County Library, Portola Branch Library	34 3RD AVE.	Portola	96122	Plumas	60630003002067	No	Yes
CCC	Westfield Mall	72840 Highway 111 Suite C-101	Palm Desert	92260	Riverside	60650451181032	No	Yes
UC	Boyd Deep Canyon Desert Research Center	54900 Desert Research Trail, Indian Wells, CA 92210	Indian Wells	92210	Riverside	60650451251083	No	No
UC	James Reserve	20950 State Highway 243 Idyllwild, CA 92549	Idyllwild	92549	Riverside	60650438133084	No	No
UC	Coachella Valley Agricultural Research Station	86501 72nd Ave, Thermal, CA 92274	Thermal	92274	Riverside	60650444033218	Yes, Frontier	No
UC	Box Spring Mountain Reserve	9699 Box Springs Mountain Rd, Moreno Valley, CA 92557	Moreno Valley	92557	Riverside	60650422142025	Yes, ATT	Yes
UC	Emerson Oaks Reserve	(no exact address provided)	Temecula	92592	Riverside	60650432573020	Yes, Frontier	No
UC	Sweeney Granite	HC1 Box 101 Kelso, CA 92309- 0101 (Need to confirm with CNAS)	Kelso	92309-01	San Bernardino	Best guess - 060710103001703	No	No
CCC	Victor Valley CCD's Regional Public Safety Trainer Center (RPSTC)	19190 Navajo Rd	Apple Valley	92307	San Bernardino	60710121011083	Yes, Frontier	No
CCC	SCLA School of Aviation Technology	18368 Phantom West Drive Building #717B	Victorville	92394	San Bernardino	60719802001013	No	No
CSU	Cal Poly Pier	Avila Beach Drive between Ana Bay Rd and Wild Cherry Canyon Rd	Avila Beach, CA	93424	San Luis Obispo	60790116003173; 06079011600	No	No
Library	SAN LUIS OBISPO CITY-COUNTY LIBRARY, Shandon Library	240 EAST CENTRE STREET	SHANDON	93461	San Luis Obispo	60790103003032	No	No
CSU	Santa Rosa Island	Santa Rosa Island (27 miles from Ca. coast)	Channel Island National Park		Santa Barbara	060839801001044; 060839801001047	No	No
Library	SANTA MARIA PUBLIC LIBRARY, CUYAMA LIBRARY	4689 Highway 166	CUYAMA	93254	Santa Barbara	60830018001322	Yes, Frontier	No
K-12	Montgomery Creek Elementary	30365 Highway 299 East	Platina	96065	Shasta	60890126012473	No	Yes
Library	PLUMAS COUNTY LIBRARY, ALLEGHANY STATION LIBRARY	123 MAIN STREET	ALLEGHANY	95910	Sierra	60910100003272	Yes, ATT	No
Library	PLUMAS COUNTY LIBRARY, LOYALTON STATION LIBRARY	511 MAIN ST.	LOYALTON	96118	Sierra	60910100002016	No	Yes
Library	PLUMAS COUNTY LIBRARY, SIERRA CITY STATION LIBRARY	317 Main Street	SIERRA CITY	96125	Sierra	60910100004387	No	No
CCC	Yreka Campus	2001 Campus Dr.	Yreka	96097	Siskiyou	60930007012123	No	Yes
K-12	Mccloud Elementary	332 Hamilton Way	Mccloud	96057	Siskiyou	60930012001701	No	No
CSU	Fairfield Osborn Preserve	(6543) Lichau Rd.	Penngrove	94951	Sonoma	60971513091003	Yes, ATT	No
K-12	Alps View High (Continuation)	321 Victory Lane	Weaverville	96093	Trinity	61050001023003	Yes, Frontier	Yes
K-12	Cox Bar Elementary	304 Corral Bottom Road	Big Bar	96010	Trinity	61050003001367	Yes, Frontier	No
K-12	Hayfork High	231 Oak Street	Hayfork	96041	Trinity	61050003001367	Yes, Frontier	Yes
K-12	Hoaglin-Zenia Elementary	680 Van Duzen Road	Mad River	95526	Trinity	61050004002006	No	Yes

ATTACHMENT B - 1
PRIORITY SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
K-12	Hyampom Arts Magnet Elementary	148 Corral Bottom Road	Hyampom	96046	Trinity	61050003002153	Yes, Frontier	No
K-12	Lewiston Elementary	685 Lewiston Road	Lewiston	96052	Trinity	61050001012031	Yes, ATT	Yes
K-12	Mt. Lassic High (Continuation)	600 Van Duzen Road	Mad River	95526	Trinity	61050004002006	No	Yes
K-12	Southern Trinity Adult Education	600 Van Duzen Road	Mad River	95526	Trinity	61050004002006	No	Yes
K-12	Southern Trinity High	600 Van Duzen Road	Mad River	95526	Trinity	61050004002006	No	Yes
K-12	Trinity Adult	321 Victory Lane	Weaverville	96093	Trinity	61050001023003	Yes, Frontier	Yes
K-12	Trinity Center Elementary	1 Trinity Vista Drive	Trinity Center	96091	Trinity	61050001011386	No	Yes
K-12	Trinity High	321 Victory Lane	Weaverville	96093	Trinity	61050001023003	Yes, Frontier	Yes
K-12	Valley High	6930 State Highway 3	Hayfork	96041	Trinity	61050003003001	No	Yes
K-12	Van Duzen Elementary	680 Van Duzen Road	Mad River	95526	Trinity	61050004002006	No	Yes
K-12	Douglas City Elementary	100 School House Road	Douglas City	96024	Trinity	61050001013067	Yes, Frontier	Yes
K-12	Junction City Elementary	430 Red Hill Road	Junction City	96048	Trinity	61050002001323	Yes, Frontier	Yes
Library	Trinity County Library, Hayfork Branch	6641 A STATE HWY. 3	Hayfork	96041	Trinity	61050003003011	No	Yes
Library	Trinity County Library, Trinity Center	540-B Airport Rd., Scott Museum Bldg.	Trinity Center	96091	Trinity	61050001011389	No	Yes
Library	Trinity County Library, Main Branch	351 Main Street	Weaverville	96093	Trinity	61050001023003	Yes, Frontier	Yes
CSU	CI University Park	34.178785, -119.039030	Camarillo		Ventura	61110056002037	No	No

ATTACHMENT B-2
OTHER CHALLENGED SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
Library	Amador County Library, Pine Grove Branch Library	19889 HWY 88	PINE GROVE	95665	Amador	60050004022011	No	Yes
Library	Amador County Library, Pioneer Branch	25070 BUCKHORN RIDGE RD.	PIONEER	95666	Amador	60050001013013	No	Yes
Library	Amador County Library, Plymouth Branch	9375 MAIN ST.	PLYMOUTH	95669	Amador	60050003011028	No	Yes
Library	Amador County Library, Lone Branch	25 East Main St.	lone	95640	Amador	60050003031062	No	Yes
CCC	Butte College College/CCD	3536 Butte Campus Drive	Oroville	95965	Butte	60070022002042	No	Yes
CCC	Chico Center	2320 Forest Avenue	Chico	95928	Butte	60070009031002	No	Yes
Library	CALAVERAS COUNTY LIBRARY, COPPEROPOLIS BRANCH LIBRARY	SUITE 106 LAKE TULLOCH PLAZA, Spanger Lane	COPPEROPOLIS	95228	Calaveras	60090001201022	No	Yes
Library	Calaveras County, MOKELUMNE HILL BRANCH LIBRARY	8328 MAIN ST.	MOKELUMNE HILL	95245	Calaveras	60090003001025	No	Yes
Library	Calaveras County, WEST POINT BRANCH LIBRARY	291 MAIN STREET	West Point	95255	Calaveras	60090004001001	No	Yes
Library	DEL NORTE COUNTY LIBRARY DISTRICT	190 PRICE MALL	CRESCENT CITY	95531	Del Norte County	60150001011078	No	No
K-12	Big Creek Elementary	55190 Point Road	Big Creek	93605	Fresno	60190064021070	No	No
Library	Fresno County PL, AUBERRY BRANCH LIBRARY	33049 AUBERRY ROAD	Auberry	93602	Fresno	60190064052048	No	Yes
Library	Fresno County PL, BIG CREEK STATION	51190 POINT ROAD	BIG CREEK	93605	Fresno	60190064021070	No	No
Library	Fresno County PL, Biola Branch	4885 N. Biola Ave	Biola	93723	Fresno	60190041002016	No	Yes
Library	Fresno County PL, Fowler Branch	306 S. 7TH ST.	Fowler	93625	Fresno	60190016003018	No	Yes
Library	Fresno County PL, Shaver Lake Branch	41344 TOLLHOUSE RD.	Shaver Lake	93664	Fresno	60190064024000	No	No
Library	Fresno County PL, San Joaquin Branch	8781 S Main St	San Joaquin	93660	Fresno	60190082004028	No	No
Library	Fresno County PL, Teague Branch	4725 N. Polk Ave.	Fresno	93722	Fresno	60190042072018	No	Yes
CCC	College of the Redwoods	7351 Tompkins Hill Road	Eureka	95501	Humboldt	60230107003000	No	No
CSU	Natural History Museum	1242 G Street	Arcata	95521	Humboldt	60230010001044	No	Yes
CSU	HSU Aquatic Center	921 Waterfront Drive	Eureka	95501	Humboldt	60230001001015	No	Yes
CSU	Children's Center Annex	1695 10th Street	Arcata	95521	Humboldt	60230011013047	No	Yes
Library	Humboldt County Library, Ferndale Library	807 MAIN STREET	Ferndale	95536	Humboldt	60230112001013	No	Yes
Library	Inyo County Free Library, BIG PINE BRANCH LIBRARY	500 S. MAIN ST.	Big Pine	93513	Inyo	60270005002050	No	No

ATTACHMENT B-2
OTHER CHALLENGED SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
Library	Inyo County Free Library, Bishop Branch Library	210 ACADEMY AVE.	Bishop	93514	Inyo	60270004002027	No	No
CCC	Delano Center	1450 Timmons Ave.	Delano	93215	Kern	60290046042030	No	Yes
CCC	Cerro Coso (CC) Main Campus	3000 College Heights Blvd.,	Ridgecrest	93555	Kern	60290055013163	No	Yes
CCC	Eastern Sierra Center - Mammoth	Mammoth Lakes 101 College Parkway	Mammoth Lakes	93546	Kern	60510002001147	No	No
Library	KERN COUNTY LIBRARY, BORON BRANCH	26967 TWENTY MULE TEAM ROAD	Boron	93516	Kern	60290056002078	No	No
Library	KERN COUNTY LIBRARY, BUTTONWILLOW BRANCH	101 Main Street	BUTTONWILLOW	93206	Kern	60290037001060	No	No
Library	Kern County Library, Kern River Valley Branch	7054 LAKE ISABELLA BLVD.	Lake Isabella	93240	Kern	60290052045010; or 060290052045027	No	Yes
Library	Kern County Library, Kernville Branch	48 TOBIAS STREET	Kernville	93238	Kern	60290052017001	No	Yes
Library	Kern County Library, Rosamond Branch	3611 ROSAMOND BLVD.	Rosamond	93560	Kern	60290058011041	No	No
Library	Kern County Library, Shafter Branch	236 JAMES STREET	Shafter	93263	Kern	60290041012010	No	Yes
Library	Kings County Library, Armona Community Library	11115 C ST.	Armona	93202	Kings	60310005003021	No	Yes
CCC	Lassen College	478-200 Highway 139	Susanville	96130	Lassen	60350403031041; 060350403031042	No	Yes
CCC	College of Marin	835 College Avenue	Kentfield	94904	Marin	60411191003000	No	No
CSU	Estuary & Ocean Science Center (Research Tiburon Center)	3150 Paradise Drive	Tiburon	94920	Marin	60411242003005	No	Yes
CCC	Indian Valley Community College	1800 Ignacio Blvd.	Novato	94949	Marin	60411041012000	No	No
Library	Merced County Library, Cressey Branch	9257 N. CRESSEY WAY	Cressey	95312	Merced	60470005031076	No	Yes
Library	Merced County Library, George South Merced Branch Library	401 LESHNER DRIVE	Merced	95340	Merced	60470015031021	No	Yes
CCC	Napa Valley College	2277 Napa-Vallejo Highway	Napa	94558	Napa	60552009001010	No	Yes
CCC	Feather River CC	570 Golden Eagle Ave	Quincy	95971	Plumas	60630001006044	No	Yes
Library	PLUMAS COUNTY LIBRARY, CHESTER BRANCH LIBRARY	222 FIRST AVE.	CHESTER	96020	Plumas	60630005012025	No	Yes
Library	Plumas County Library, Plumas County Library	445 JACKSON ST.	Quincy	95971	Plumas	60630001001051	No	Yes
CCC	Palo Verde College	One College Dr	Blythe	92225	Riverside	60650469001801	no	No

ATTACHMENT B-2
OTHER CHALLENGED SITES

Segment	Location (Site) Name	Street Address	City	Zip	County	CB Number	CAF II	Fixed Wireless
CCC	Desert Hot Springs Campus	11625 West Drive	Desert Hot Springs	92240	Riverside	60650445091042	No	No
CCC	Indio Eastern Valley Center	45524 Oasis St	Indio	92201	Riverside	60650495001039	No	No
CCC	Mecca/Thermal Campus	61120 Buchanan Street	Thermal	92274	Riverside	60650456042013	No	Yes
CCC	Palm Springs Campus (Temporary)	1300 Baristo Rd	Palm Springs	92262	Riverside	60659414003000	No	Yes
UC	Agricultural Operations (Farms, Turf, R Garden, USDA)	1060 Martin Luther King Blvd, Riverside, CA 92507	Riverside	92507	Riverside	60650465001018	No	No
UC	Mt. Rubidoux	4470 Glenwood Dr, Riverside, CA	Riverside	92501	Riverside	60650302004016	No	No
UC	Motte Resovior/Rimrock	1336 Rimrock Dr, Perris, CA 92570	Perris	92570	Riverside	60650429042036	No	Yes
CCC	Needles Center	725 W. Broadway,	Needles	92363	San Bernardino	60710107001042	No	No
CCC	Barstow Community College	2700 Barstow Road	Barstow	92311	San Bernardino	60710120011029	No	No
Library	San LUIS OBISPO CITY-COUNTY LIBRARY, Shell Branch	230 Leeward Ave	Shell Beach	93449	San Luis Obispo	60790117041022	No	No
Library	San Luis Obispo City-County Library	254 13TH ST.	San Miguel	93451	San Luis Obispo	60790100162020	No	Yes
CSU	Goleta Campus @ Cottage Hospital	5383 Hollister Ave., Suite 220	Goleta	93111	Santa Barbara	60830030012033	No	No
Library	LOMPOC PUBLIC LIBRARY, Village Branch	3755 CONSTELLATION ROAD	LOMPOC	93436	Santa Barbara	60830028084019	No	No
Library	SANTA MARIA PUBLIC LIBRARY, GUADALUPE LIBRARY	4719 W. Main St., Ste D	Guadalupe	93434	Santa Barbara	60830025022026	No	No
Library	PLUMAS COUNTY LIBRARY, DOWNIEVILLE STATION LIBRARY	318 COMMERCIAL ST.	DOWNIEVILLE	95936	Sierra	60910100004371	No	No
CCC	College Of Siskiyou	800 College Ave	Weed	96094	Siskiyou	60930009005047	No	Yes
K-12	Butteville Elementary	24512 Edgewood Road	Weed	96094	Siskiyou	60930009002052	No	Yes
K-12	I AM School	118 Siskiyou Avenue	Mount Shasta	96067	Siskiyou	60930010001036	No	Yes
K-12	Little Shasta Elementary	8409 Lower Little Shasta Road	Montague	96064	Siskiyou	60930003003267	No	Yes
K-12	Mt. Shasta Elementary	501 Cedar Street	Mount Shasta	96067	Siskiyou	60930010001018	No	Yes
K-12	Sisson	601 East Alma Street	Mount Shasta	96067	Siskiyou	60930010003010	No	Yes
K-12	Happy Camp Union Elementary	114 Park Way	Happy Camp	96039	Siskiyou	60930005002018	No	No
CCC	Upper Valley Center	1088 College Avenue St.	Helena	94574	Trinity	60552016012006	No	Yes
CSU	Channel Islands Boating Center	3880 Bluefin Circle	Oxnard	93035	Ventura	61110036122003	No	No
Library	YOLO COUNTY LIBRARY, CLARKSBURG BRANCH LIBRARY	52915 NETHERLANDS AVE.	CLARKSBURG	95612	Yolo	61130104013063	No	Yes