

Date of Issuance: July 10, 2009

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**Communications Division
Carrier Oversight and Programs Branch***

**RESOLUTION T-17197
July 9, 2009**

R E S O L U T I O N

Resolution T-17197 Approval of Funding for the Mother Lode Broadband Project of Rapid Link Inc. and Mother Lode Internet from California Advanced Services Fund (CASF) Amounting to \$2,771,341

Summary

This Resolution adopts funding for the Mother Lode Broadband project of Telenational Communications Inc. /Rapid Link Inc. and Mother Lode Internet (collectively referred to here as MLI) from the California Advanced Services Fund (CASF) amounting to \$2,771,341. The \$2,771,341 grant amount represents 40% of the total project cost of this unserved area application filed in accordance with Resolution T-17143.

Background

On December 20, 2007, the Commission approved Decision (D.) 07-12-054 which established the CASF program to 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.¹ Resolution T-17143, approved on June 12, 2008, adopted the 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 unserved projects, to file their project proposals and funding requests on July 24, 2008. The Commission has received 53 project proposals that sought CASF funding for unserved and underserved areas on July 24, 2008, June 8, 2009, and August 25, 2008, respectively. As of April 16, 2009, the Commission has approved 25 CASF grants totaling \$9.5 million in funds awarded. Grants for unserved areas amount to \$8.5 million for 13 projects while underserved area grants amount to \$1 million for 12 projects.

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

Notice/Protests

The Census Block Group (CBG) list by county was placed on the Commission's CASF website under the heading "UNDERSERVED areas proposed to be served as of August 25, 2008: Census Block Groups (CBGs)." Of the 126 CBGs Mother Lode submitted, AT&T, Comcast, and California RSA No. 3 Ltd. Partnership, dba Golden State Cellular Consortium (GSC) formally challenged a total of 103 CBGs. Therefore, CD proceeded to review and analyze these project areas to verify that they were indeed unserved as of the applicants' filing date.

Discussion

CD has completed its review and analysis of the project areas included in MLI's application. As a result, this Resolution adopts a total of \$2,771,341 in CASF funding support for the Mother Lode Broadband project. The project is described in detail in Appendix A.

For purposes of the CASF program, the Commission has defined "unserved areas" as areas not served by any form of facilities-based broadband or where Internet connectivity is available only through dial-up service or satellite. CD reviewed MLI's project eligibility in the unserved review phase by analyzing required data which the applicants 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 Shapefiles² mapping the subject areas; assertion that the area is underserved; potential size of the subscriber base and household incomes; project construction schedule; project budget; proposed pricing and commitment period for new subscribers; and, financial qualifications of the applicant.

Rapid Link, Inc., a national voice and data carrier and Mother Lode Internet (MLI), a leading Internet Service Provider in Southern and Central California (CA) submitted their application jointly using Telenational Communications Inc.'s (TNC) valid CPCN registration which authorizes TNC to provide interLATA and intraLATA services in CA. MLI's proposal is to provide wireless broadband services in portions of the Alpine, Amador, Calaveras, Tuolumne and Mariposa Counties.

MLI plans to leverage local broadband provider experience, support and presence by expanding a network of fixed wireless broadband services. MLI's network will include two redundant 300 Mega Bits per Second (mbps) links from Stockton and Sacramento to increase backhaul capacity. This backhaul is expected to feed the MLI network of primary and repeater towers with sufficient bandwidth. The network will include 44 primary towers

² A shapefile is a digital vector storage format for storing geometric location and associated attribute information. Shapes (points/lines/polygons) together with data attributes can create infinitely many representations about geographical data.

each feeding two repeater towers with each primary tower, equipped with three radios in three different frequencies offering Line of Site and Non-Line of site capability. Primary towers will feed up to two repeater towers similarly equipped with 180 degree antennas to propagate signal into targeted markets. The system will have 132 towers equipped with over 1000 access points. The receiver radios located at the customer's premises will have a Line of Site capacity of up to 14 mbps for both upload and download and Non Line of Site capacity of up to 8 mbps.

Of the 126 CBGs MLI has included in its proposal, AT&T, Comcast, and GSC formally challenged a total of 103 CBGs. These challenging parties asserted that portions of the CBGs in the proposed area are already served. CD reviewed and overlaid the Shapefiles submitted by MLI to the California Broadband Task Force Report (CBTF) maps and challenged areas. MLI's shapefiles mapped the broadband deployment proposed using United States 2000 Census data and the January, 2008 CBTF maps. The overlay result is a misalignment of data layers in the maps (Appendix B).

CD's staff with subject matter expertise in GIS mapping explained that the misalignment of data layers may be caused by one or more of the following:

- The layers were created by different individuals using different spatial standards (i.e. the coordinate system, projection, and scale at which the data was originally created);
- The original CASF data was generalized (converted from individual data points to aggregate one-kilometer pixels) before publication, due to non-disclosure agreements, and
- The generalized, published CBTF data (maps) had to be recreated by CD GIS staff.

CD staff used the following process to recreate the CBTF data (maps):

- Acquired regional broadband maps from CBTF website;
- Exported pdf maps to jpeg;
- Inserted jpeg images into an ArcGIS map project;
- Manually georeferenced images (i.e. assign them correct Earth coordinates according to the California State Plane coordinate system and Lambert Conformal Conic projection);
- Converted images to polygon shapefile;
- Removed non-data polygons and
- Classified data by speed tier.

While a more granular map and availability of the data underlying the CBTF maps would have been ideal for analysis, the generalized, published CBTF maps CD staff used is still the most accurate statewide data set of broadband service available. CD staff also overlaid the

CBTF map onto the territories that the challenging parties assert were served, and identified which areas within the CBGs (060430001005 and 060430003005) are served with broadband (Appendix C).

On September 29, 2008, MLI submitted a revised application proposing to provide service to 103 CBGs in the unserved areas of Alpine, Amador, Calaveras, Tuolumne and Mariposa Counties. However, after additional analysis and review, CD established that an additional 55 CBGs were partially served, 31 CBGs were 100% served as indicated in the CBTF maps and 17 CBGs were 100% unserved. MLI explained that the CBTF maps are inaccurate, because a “served” grid can appear on the map if as few as one customer with broadband service is present within a 1 Kilometer (Km) by 1 Km or 0.6 miles by 0.6 miles grid area. Thus, MLI concludes that based on this, the CBTF map is useful for large, more populous regions not low-density, rural areas and the CBTF map overestimates existing service coverage for these areas. While CD found some merit in this, CD still requested MLI to remove those areas that appear as already served per the CBTF map and challenged by other parties for CASF funding purposes. Since the underlying data source set for the CBTF maps were not available for verification, CD staff used this same method of overlaying shapefiles submitted by applicants onto the CBTF maps to determine which areas in a CBG are served, unserved or underserved with all the other applicants.

MLI once again reviewed the 55 CBGs and made modifications to its application and resubmitted it. This resulted in the appearance of CBGs with 97-99% broadband coverage and pockets of unserved areas within a CBG (Appendix B, CBGs 60090002103 & 60090003002). In summary, CD determined that out of the 103 CBGs MLI submitted, 72 CBGs covering the proposed areas of Alpine, Amador, Calaveras, Tuolumne and Mariposa Counties qualify as “unserved area”, as defined in Resolution T-17143.

Comparisons of MLI’s submitted maps with the CBTF maps verified the non-existence of Broadband service in some of the CBGs applied for. Appendix A, pages A-1 to A-3 identifies these CBGs.

In scoring applications, CD’s staff confirmed the accuracy of the coverage of the total project area in square miles. This was done through a three-step process in the NAD83 coordinate systems³ and California State Plane Zone 3 projection (appropriate for central California) using the Arc GIS software. First, the square footage of each closed polygon in the applicant’s submitted shapefile (GIS boundary file) was calculated using the Calculate Areas function in the ArcToolbox. The result was then calculated to six decimal places (one-millionth of a square foot). Next, the square footage of each closed polygon was divided by 27,878,400 (number of square feet in a square mile) using the Field Calculator in ArcMap, to arrive at the square mileage. Finally, the area of the polygons was summed to arrive at the

³ North American Datum of 1983 (NAD83) is an earth-centered datum based on the Geodetic Reference System of 1980. The size and shape of the earth was determined through measurements made by satellites and other sophisticated electronic equipment; the measurements accurately represent the earth to within two meters.

total area. CD staff confirmed that this method is the standard procedure used for calculating the size of an area for geographic analysis.

The Application Requirements and Guidelines on the awarding of CASF Funds ⁴ put forth the information required for each proposed broadband project filed including, but not limited to, each applicant's possession of a CPCN or a U-Number. Further, applicants who do not have a CPCN or U-number and are not registered wireless carriers may partner with or apply through a consortium, so long as the financial agent for the consortium is an entity with a CPCN or U-number. In this joint venture, MLI used TNC's CPCN, and accordingly, TNC will be the financial agent for the consortium.

CD staff investigated the application further and discovered that Rapid Link acquired TNC on May 3, 2006. Rapid Link, however, did not seek, pursuant to PU Code § 854(a)⁵, Commission approval for the acquisition of TNC. Accordingly, on February 25, 2009, Rapid Link filed a formal application, A.09-02-021, to acquire TNC. This application was approved by the Commission on June 18, 2009 in D.09-06-024. In view of this approval, Rapid Link must comply with the requirements of the Commission ordered decision, as set forth below. Further, CD recommends that MLI provide CD with proof of its compliance with the requirements in D.09-06-024.

1. TNC shall include in its 2009 and 2010 Annual Report a summary of all inter-affiliate transactions, including loans and cash transfers, between TNC and Rapid Link Inc., and/or any of the affiliated companies in the group for the time period covered by the Annual Report.
2. TNC shall pay a fine in the amount of \$1,000 for violating PU Code § 854(a).

The Mother Lode Broadband Project was evaluated using the scoring criteria adopted in Resolution T-17143 vis-a-vis a proposal submitted by GSC for some of the areas proposed by Mother Lode.

GSC, a consortium composed of four regional communications companies: CalTel Connections, Sierra Tel Internet, Volcano Internet Provider and Golden State Cellular proposed to provide broadband services also in the Alpine, Amador, Calaveras, Mariposa, Tuolumne and a portion of Stanislaus counties. GSC planned to provide broadband services by sharing communications facilities such as access points and backhaul facilities. The type of technology to be deployed (including fiber and/or Ethernet and EVDO⁶ upgrade; fiber, microwave and copper; wireless, DSL and cell site) would vary depending on the community and company responsible for implementation.

⁴ Resolution T-17143

⁵ Public Utilities Code §854(a) states that “[n]o person or corporation, whether or not organized under the laws of this state, shall merge, acquire, or control either directly or indirectly any public utility organized and doing business in this state without first securing authorization to do so from the commission”.

⁶ EVDO, also known as EV-DO, 1xEVDO and 1xEV-DO, is a standard for high speed wireless broadband. The acronym is short for “Evolution, Data Only” or “Evolution, Data Optimized”.

GSC proposed to provide an average speed of 6 mbps download and 1 mbps upload to approximately 9,250 households covering an area of approximately 608 sq. miles. GSC planned to complete its project within 12 months.

Appendix E shows a comparative map of the areas proposed by MLI and GSC. This map shows that MLI's proposed coverage is far greater than that of GSC. Of the two applicants for these unserved areas, MLI scored the higher (Appendix D). In Resolution T-17143, the Commission adopted a scoring criterion comprised of seven elements, with "funds requested per potential customer" assigned the highest weight of 40 points followed by "speed" with 20 points. Even if the two competing applications were scored without the speed element, MLI will still have scored the higher of the two. CD therefore, recommends that the Commission grant CASF funding of \$2,771,341 to MLI. GSC's application in areas that overlap with MLI's proposed unserved areas is therefore denied. GSC however, has the option to pursue CASF funding for those unserved areas in their proposal not covered by this funding award to MLI.

MLI proposes to provide an average speed of up to 11.9 mbps both download and upload which will be able to serve approximately 28,235 potential customers (14,629 households) covering an area of approximately 3,063 sq. miles. MLI plans to complete its project within 20 months.

The Application Requirements and Guidelines on the awarding of CASF funds⁷ provide that the execution of a Performance Bond is not required if 60% of the total project costs comes from the applicants' capital budget and is not obtained from outside financing sources. In its application, MLI certified in writing that 60% of the total project costs will come from its existing capital budget and believes that a performance bond is not necessary. However, in view of issues raised in A.09-02-021 pertaining to MLI's financial viability and in light of MLI's lack of a sufficient track record by which the Commission can assess MLI's viability, MLI is required to post a performance bond equal to the total amount payable under this CASF award, or 40% of the project costs. The performance bond will only ensure completion of the project and does not extend to ensuring continued operations. MLI agrees to provide a copy of the executed bond within five business days after the effective date of this award.

MLI's application indicates that all proposed antennas will be mounted on existing facilities and no new towers will need to be constructed. Therefore, we conclude that the project will have no physical impact on the environment, and thus, is exempt from a California Environmental Quality Act (CEQA) review.

⁷ Resolution T-17143

MLI is required to comply with all other guidelines, requirements and conditions associated with the granting of CASF funds as specified in Resolution T-17143 including but not limited to, the submission of Form 477.

Payments to CASF Recipients

Submission of invoices and payments to TNC 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.

CASF funding can only be awarded to an entity with holding a CPCN as a “telephone corporation” pursuant to P.U. Code §234 or to wireless carriers registered with the Commission. For this reason, payments to TNC shall essentially follow the process adopted for funds created under P.U. 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 CASF recipients to CD | 5 th of Month 1 | 20 th of Month 1 |
| Payment letters from CD to Information and Management Services Division (IMSD) ⁸ | On 19 th of Month 1 | On 4 th of Month 2 |
| Invoices submitted from IMSD to State’s Controller Office (SCO) for payments | 20 th through 26 th of Month 1 | 5 th through 13 th of Month 2 |

TNC 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. SCO requires 14 to 21 days to issue payment from the day that requests are received by SCO.

Comments on Draft Resolution

In compliance with P.U. Code § 311(g), a notice letter was emailed on June 9, 2009 informing a) all applicants filing for unserved areas and b) parties on the service list of R.06-06-028 of

⁸ 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 invoice

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.

Responses to timely filed comments will be addressed in this resolution.

Findings

1. The California Advanced Services Fund (CASF) was implemented by Decision (D.) 07-12-054. 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 underserved projects to file their project proposals and funding requests on August 25, 2008.
3. Unserved areas are defined as areas those not served by any form of facilities-based broadband or where Internet connectivity is available only through dial-up or satellite service.
4. 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 24, 2008: Census Block Groups (CBGs)". Communications Division (CD) proceeded with its independent review and analysis of the areas proposed in this project to verify that they were unserved as of the applicants' filing date.
5. Rapid Link Inc. and Mother Lode Internet (MLI) submitted an unserved area application using the CPCN of Telenational Communications Inc. (TNC), in portions of Alpine, Amador, Calaveras, Tuolumne and Mariposa counties.
6. CD reviewed MLI's Mother Lode Broadband Project eligibility in the unserved review phase by analyzing the required data submitted. These data include, but are not limited to: proof of CPCN registration; descriptions of current and proposed broadband infrastructure; geographic information system (GIS) formatted Shapefiles mapping the subject areas; assertion that the area is unserved; 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.
7. Shapefiles, which mapped the broadband deployment, were reviewed by CD using sources including, but not limited to, the United States 2000 Census data and the

January, 2008, Broadband Task Force Report and its available on-line maps. These maps helped to verify the existence of or non-existence of broadband service areas and broadband speeds, where available.

8. CD verified MLI's project and, when necessary, requested additional information and/or meetings to clarify the project proposal.
9. Since TNC holds a valid CPCN, TNC should be the financial agent for the consortium.
10. After its review, CD determined that the Mother Lode Broadband Project application for unserved areas covering 72 CBGs as eligible to receive CASF funding of \$2,771,341.
11. California RSA No. 3 Ltd. Partnership dba Golden State Cellular Consortium's (GSC) proposal for those unserved areas that overlap with MLI's proposed unserved areas is denied.
12. GSC has the option to pursue CASF funding for those unserved areas not covered by this funding award to MLI.
13. The posting of a performance bond by MLI should be required for this recipient in order to compensate the CASF in the event of project failure.
14. MLI is exempt from the CEQA review since MLI's application indicates that all the antennas will be mounted on existing facilities and no new towers will need to be constructed. Therefore, the project will have no physical impact on the environment.
15. On February 25, 2009, Rapid Link filed a formal application, Application (A.) 09-02-021 for the acquisition of TNC because its acquisition of TNC on May 3, 2006 was never filed. The Commission addressed the issues raised in A.09-02-021 in D.09-06-024 on June 18, 2009.
16. Decision 09-06-024 requires that a) TNC include in its 2009 and 2010 Annual Report a summary of all inter-affiliate transactions, including loans and cash transfers, between TNC and Rapid Link Inc., and/or any of the affiliated companies in the group for the time period covered and b) that TNC pay a fine of \$1,000 for violating P.U. Code § 854(a).
17. CD recommends that MLI provide CD with proof of Rapid Link's compliance with the requirements mandated in D.09-06-024.
18. MLI should comply with all other requirements and conditions such as, but not limited to, the submission of Form 477 associated with the granting of CASF funds as specified in Resolution T-17143.

19. A notice letter was e-mailed on June 9, 2009, informing a) all applicants filing for unserved 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 will be available at this same website.
20. The Commission finds CD's recommended CASF award of \$2,771,341 for unserved areas for the Mother Lode Project, as summarized in Appendix A of this Resolution, reasonable and consistent with Commission orders and should be adopted.

THEREFORE, IT IS ORDERED that:

1. The amount of \$2,771.341 from the California Advanced Services Fund shall be awarded to Telenational Communications Inc./Rapid Link Inc. and Mother Lode Internet.
2. California RSA No. 3 Ltd. Partnership dba Golden State Cellular Consortium's application for unserved areas that overlap with MLI's proposal is denied.
3. Telenational Communications Inc. shall be the financial agent for the Mother Lode Broadband project.
4. Telenational Communications Inc./Rapid Link Inc. and Mother Lode Internet shall be required to post a performance bond and provide a copy of the performance bond within five business days after the effective date of this resolution.
5. Pursuant to D.09-06-024, Telenational Communications Inc./Rapid Link Inc. is required to a) include in its 2009 and 2010 Annual Report a summary of all inter-affiliate transactions, including loans and cash transfers, between Telenational Communications Inc. and Rapid Link Inc., and any of the affiliated companies in the group for the time period covered and b) pay a fine of \$1,000 for violating P.U. Code § 854(a).
6. Telenational Communications Inc./Rapid Link Inc. and Mother Lode Internet shall provide CD with Telenational Communications Inc./Rapid Link Inc.'s proof of compliance with the requirements mandated in D.09-06-024.
7. The program fund payment of \$2,771,341 for Mother Lode Broadband project shall be paid out of the CASF fund in accordance with the guidelines adopted in Resolution T-17143.
8. Payments to Telenational Communications Inc./Rapid Link Inc. and Mother Lode Internet 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.

9. Telenational Communications Inc./Rapid Link Inc. and Mother Lode Internet shall comply with all requirements and conditions associated with the CASF funds award such as but not limited to, the submission of Form 477 as specified in Resolution T-17143.

APPENDIX A
Resolution T-17197
Mother Lode Project Key Information

| 1 | <i>Project ID</i> | Rapid Link and Mother Lode Internet | |
|----|---------------------------------------|--|----------|
| 2 | <i>Project Name</i> | Mother Lode Broadband | |
| 3 | <i>Project Plan</i> | provide expanded backhaul to a regional network of primarily existing main towers linked via high capacity licensed spectrum which will feed a network of repeater towers focused to deliver broadband to these unserved areas | |
| 4 | <i>Project Size (in square miles)</i> | 3,063 | |
| 5 | <i>Download speed</i> | up to 14 mbps | |
| 6 | <i>Upload speed</i> | up to 14 mbps | |
| 7 | <i>Location</i> | Alpine, Amador, Calaveras, Tuolumne and Mariposa | |
| a) | <i>Community Name</i> | | |
| b) | <i>CBGs/Household Income</i> | 060030100001 | \$37,857 |
| | | 060030100002 | \$47,188 |
| | | 060050001006 | \$41,250 |
| | | 060050002001 | \$47,083 |
| | | 060050002002 | \$48,750 |
| | | 060050002003 | \$46,316 |
| | | 060050002004 | \$48,500 |
| | | 060050002005 | \$32,708 |
| | | 060050003011 | \$36,442 |
| | | 060050003014 | \$77,847 |
| | | 060050003021 | \$41,842 |
| | | 060050003022 | \$44,375 |
| | | 060050003023 | \$41,862 |
| | | 060050003024 | \$49,271 |
| | | 060050004021 | \$45,726 |
| | | 060050005001 | \$34,554 |
| | | 060050005002 | \$56,364 |
| | | 060050005003 | \$55,197 |
| | | 060090001102 | \$51,250 |
| | | 060090001105 | \$46,711 |
| | | 060090001201 | \$41,375 |
| | | 060090002101 | \$45,069 |
| | | 060090002102 | \$43,594 |
| | | 060090002103 | \$49,833 |
| | | 060090002104 | \$55,662 |
| | | 060090002203 | \$39,250 |
| | | 060090003001 | \$39,716 |
| | | 060090003002 | \$36,250 |
| | | 060090003004 | \$38,333 |
| | | 060090003005 | \$30,469 |
| | | 060090004003 | \$28,966 |

Resolution T- 17197
 CD/MA1

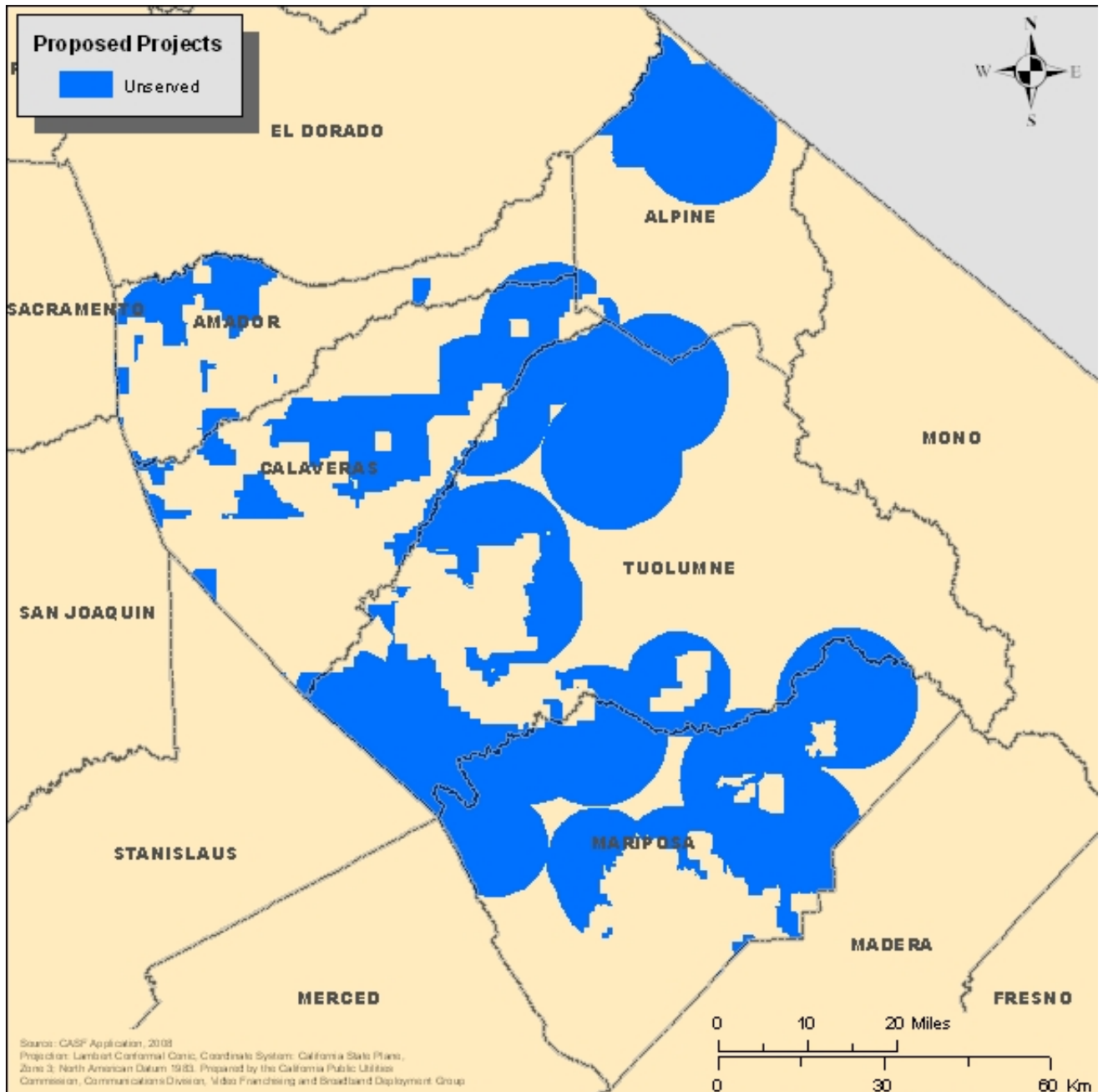
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|----|-----------|--------------|----------|
| | | 060090004004 | \$38,500 |
| | | 060090004005 | \$41,417 |
| | | 060090005001 | \$43,797 |
| | | 060090005003 | \$61,042 |
| | | 060090005006 | \$47,202 |
| | | 060430001001 | \$30,938 |
| | | 060430001002 | \$35,875 |
| | | 060430001005 | \$43,417 |
| | | 060430001006 | \$36,750 |
| | | 060430002001 | \$46,630 |
| | | 060430002002 | \$21,979 |
| | | 060430002003 | \$25,375 |
| | | 060430003001 | \$36,705 |
| | | 060430003004 | \$39,375 |
| | | 060430003005 | \$35,720 |
| | | 060430003006 | \$27,273 |
| | | 060430004001 | \$41,836 |
| | | 061090021001 | \$39,875 |
| | | 061090021002 | \$38,529 |
| | | 061090021003 | \$37,596 |
| | | 061090021006 | \$42,917 |
| | | 061090022001 | \$52,344 |
| | | 061090022002 | \$60,972 |
| | | 061090022003 | \$31,000 |
| | | 061090022005 | \$43,750 |
| | | 061090022006 | \$34,219 |
| | | 061090022007 | \$49,286 |
| | | 061090031004 | \$49,821 |
| | | 061090031005 | \$24,167 |
| | | 061090032004 | \$57,500 |
| | | 061090041004 | \$39,489 |
| | | 061090042001 | \$27,292 |
| | | 061090042002 | \$41,864 |
| | | 061090042003 | \$21,607 |
| | | 061090042004 | \$26,250 |
| | | 061090042005 | \$90,583 |
| | | 061090051001 | \$36,382 |
| | | 061090051005 | \$40,574 |
| | | 061090052011 | \$52,375 |
| | | 061090052012 | \$35,750 |
| | | 061090052013 | \$39,306 |
| c) | ZIP Codes | 95646 | |
| | | 96120 | |
| | | 95629 | |
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| | | 95642 | |
| | | 95665 | |
| | | 95666 | |

Resolution T- 17197
 CD/MA1

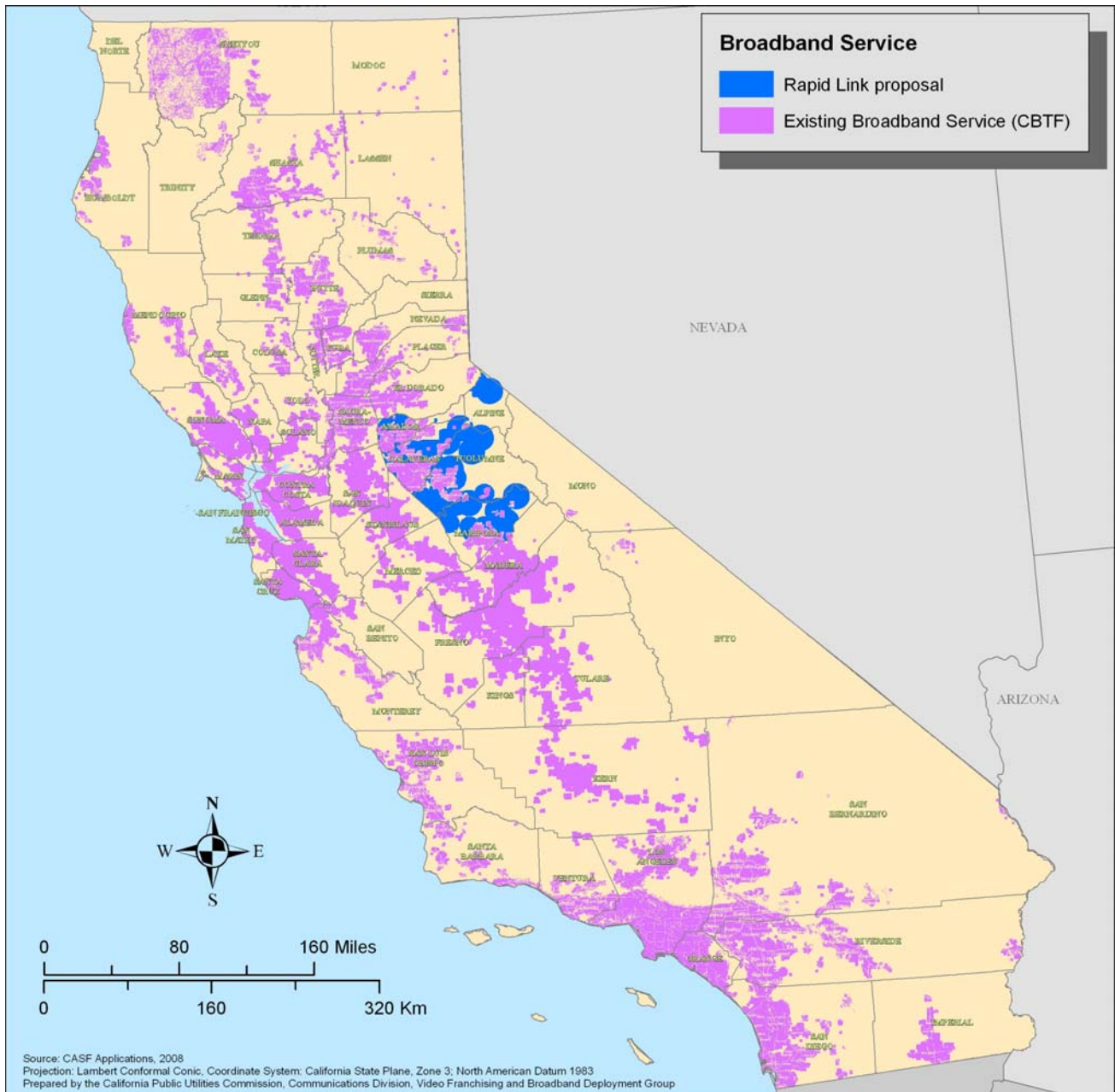
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| | | 95338 | |
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| | | 95369 | |
| | | 95389 | |
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| | | 95311 | |
| | | 95321 | |
| | | 95327 | |
| | | 95329 | |
| | | 95335 | |
| | | 95346 | |
| | | 95364 | |
| | | 95370 | |
| | | 95379 | |
| | | 95383 | |
| 8 | <i>Estimated Potential Subscriber Size</i> | | |
| a) | <i>Households</i> | 14,629 | |
| 9 | <i>Deployment Schedule (from Commission approval)</i> | 20 months | |
| 10 | <i>Proposed Project Budget</i> | | |
| | <i>CASF (40%)</i> | \$2,771,341 | |

| | | |
|--------------------------------|-------------|--|
| CIAC | (n/a) | |
| Amount of CASF Funds Requested | \$2,771,341 | |

APPENDIX A
Resolution T-17197
Mother Lode Broadband Project Shapefile



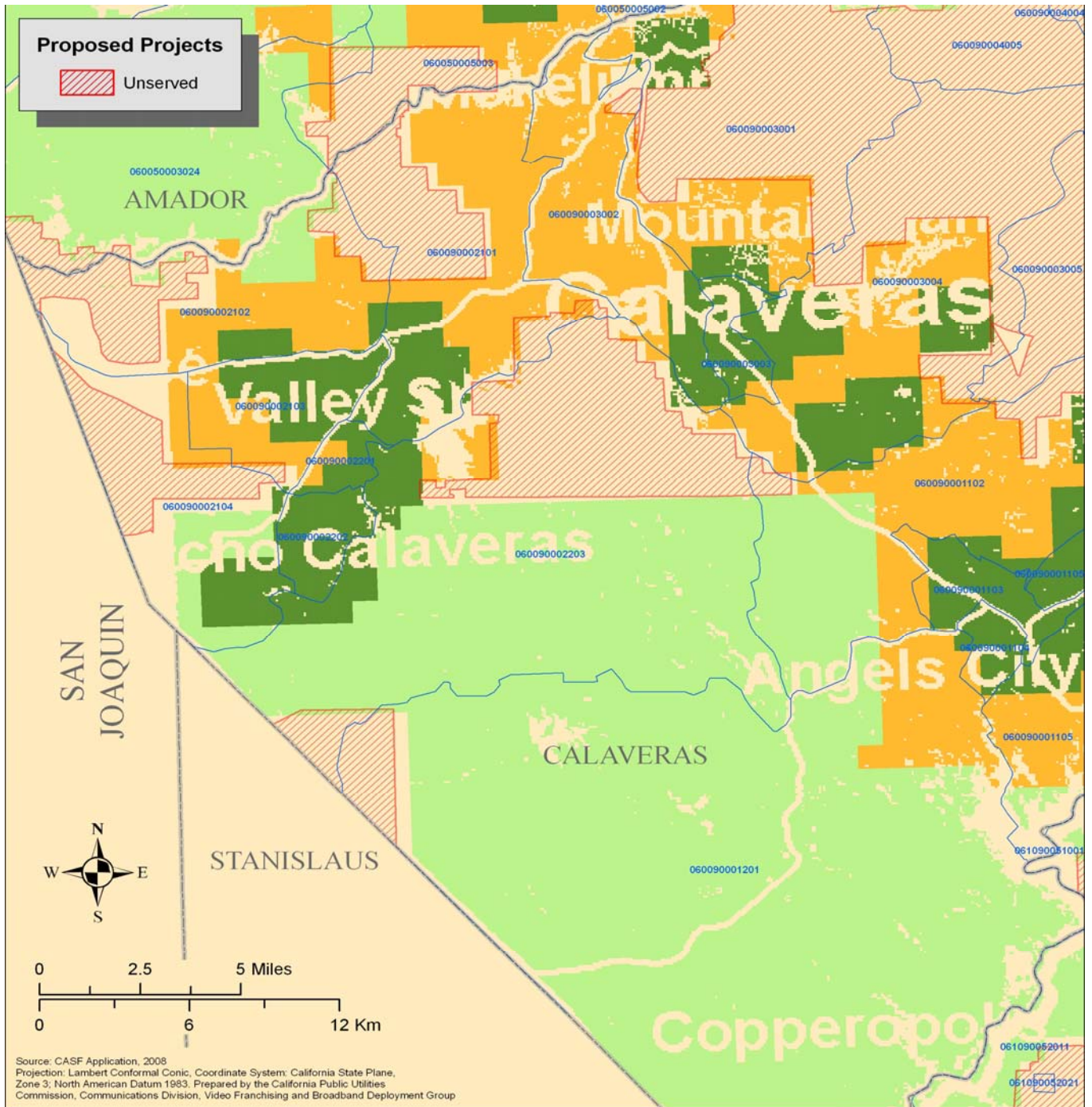
APPENDIX A Resolution T-17197 Mother Lode Broadband Statewide Map



Resolution T- 17197
CD/MA1

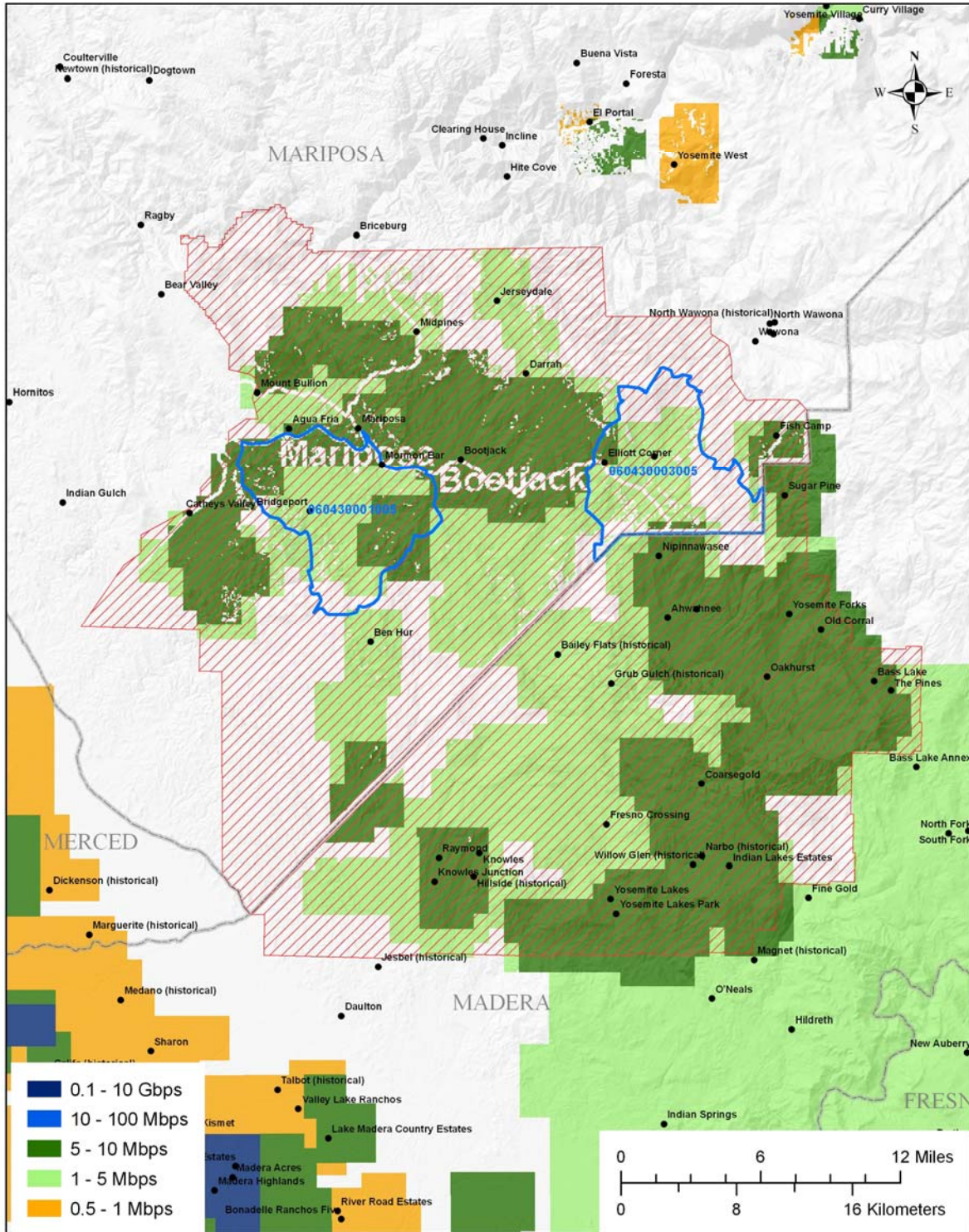
(End of Appendix A)

APPENDIX B Resolution T-17197 Mother Lode Broadband Regional Map (2)



(End of Appendix B)

APPENDIX C Resolution T-17197



(End of Appendix C)

Resolution T-17197
CD/MA1

APPENDIX D
Resolution T-17197
Scoring Between Mother Lode Broadband and Golden State Cellular Consortium

(End of Appendix D)

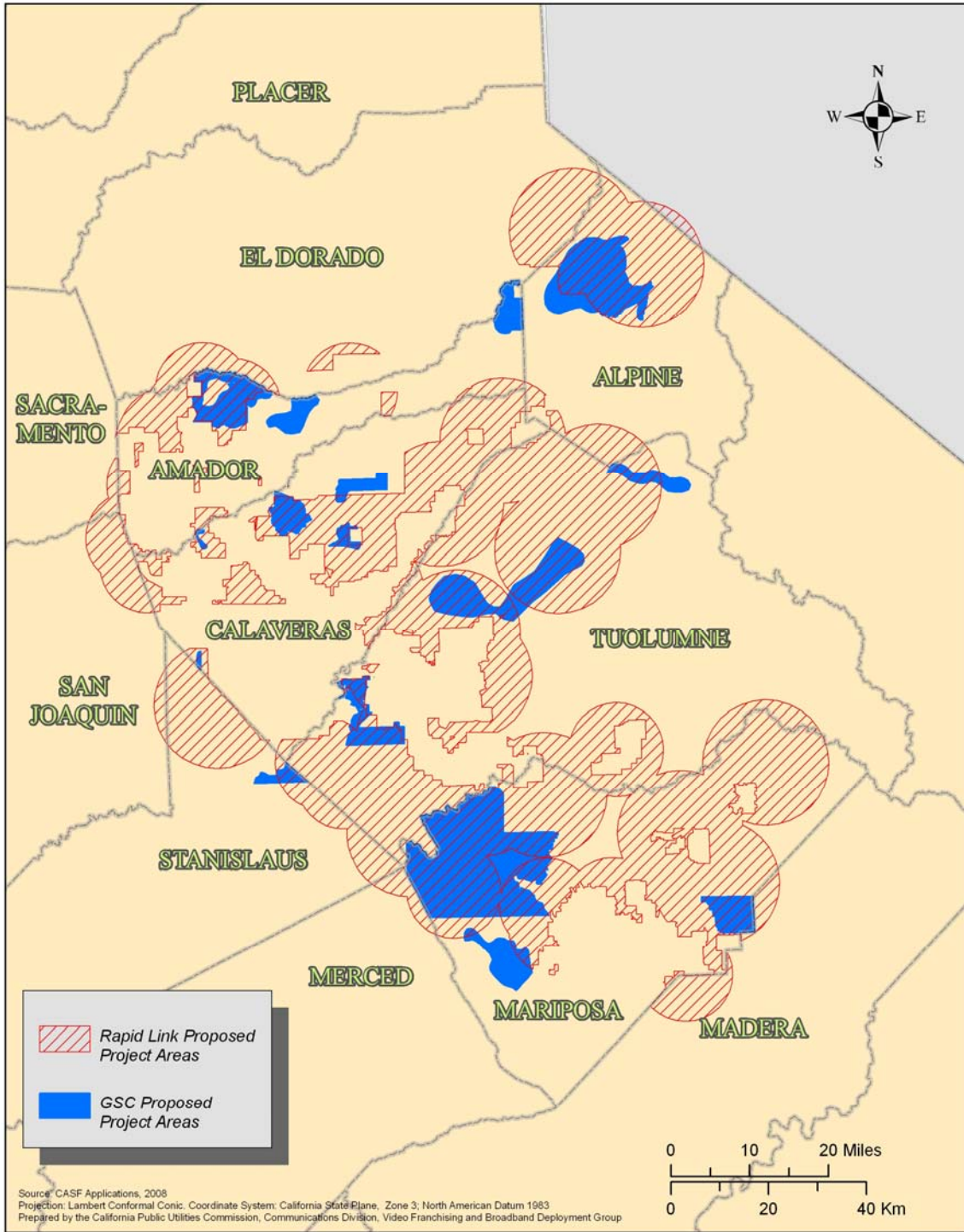
APPENDIX D
Resolution T-17197
Scoring Between Mother Lode Broadband and Golden State Cellular Consortium

| | | Mother Lode (A) | | Golden State (B) |
|---|---|-----------------|-----------------|------------------|
| | No. of Potential Customers | 14629 | | 9250 |
| | Funds requested (\$) | 2713874 | | 2849664 |
| a | Funds requested per potential customer (\$) | 186 | | 308 |
| b | Speed (mbps) | | | |
| | Current avg DI | 0.000 | | 0 |
| | Proposed avg DI | 14 | (ave is 11.9 w/ | 6 |
| | SQRT of difference_DI | 3.742 | 14 down and | 2.449 |
| | Current avg UI | 0.000 | 8 up) | 0 |
| | Proposed avg UI | 14.000 | | 1 |
| | SQRT of difference_UI | 3.742 | | 1.000 |
| | total | 7.483 | | 3.449 |
| c | Service Area (square miles) | 3063 | | 608 |
| d | Timeliness of Completion of Project (mo.) | 20 | | 12 |
| | | 4 | | 12 |
| e | Pricing (\$ /mbps) | 49.95 | | 39.95 |
| f | Guaranteed Pricing Period (mo.) | 36 | | 24 |
| | | 24 | | 12 |
| g | Low-Income Areas (income per capita - average of all CBGs) | 39716 | | 39716 |

| Weighted Scores | | Maximum Weight | Application A | Application B |
|-----------------|--|----------------|---------------|---------------|
| a | Funds Requested per Potential Customer | 40 | 40 | 24 |
| b | Speed | 20 | 20 | 9 |
| c | Service Area | 15 | 15 | 3 |
| d | Timeliness of Completion of Project | 5 | 2 | 5 |
| e | Pricing | 10 | 8 | 10 |
| f | Guaranteed Pricing Period | 5 | 5 | 3 |
| g | Low-Income Areas | 5 | 5 | 5 |
| | Weighted scores | | 94.7 | 58.8 |
| | Rank | | 1 | 2 |

(End of Appendix D)

APPENDIX E
Resolution T-17197
Mother Lode Broadband and Golden State Cellular Consortium's Proposed Project Areas



(End of Appendix E)