

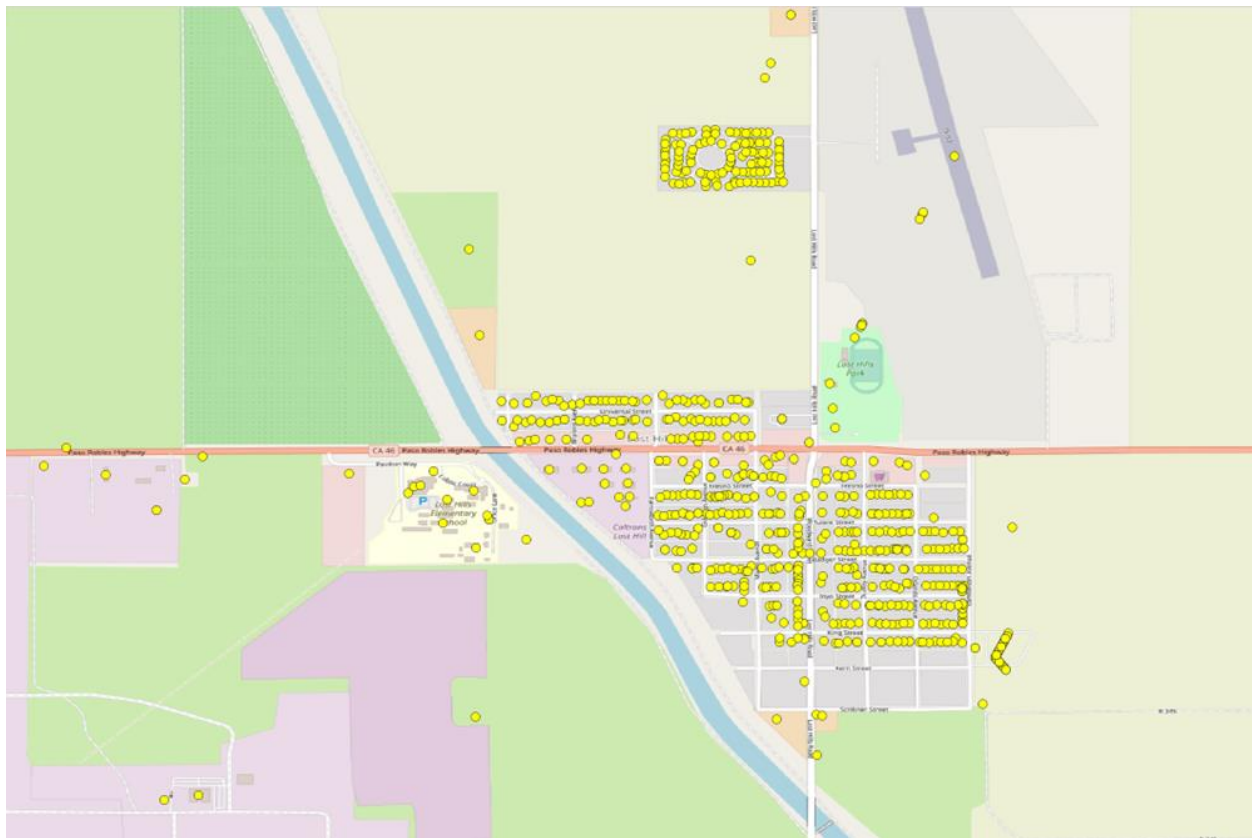
Project Summary

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Kern County CASF Application
Lost Hills Broadband Project

a. Basic Project/Applicant Information	
i. Company/Applicant's Name	Applicant: County of Kern (Kern County)
ii. CPCN/U-Number or WIR or pending. CPCN/WIR application number, if applicable	CPCN/U-Number: N/A
iii. Contact person	Name: Jason Wiebe Title: Chief Strategic Initiatives Officer Email: wiebej@kerncounty.com
iv. Project title	Title: Lost Hills Broadband Project
v. Named Project Location (community/county)	Community: Lost Hills (unincorporated) County: Kern County
vi. Project Type (Last-mile or hybrid last-mile/middle mile)	Type: Last-mile
vii. Amount of CASF grant funding requested and project cost	Grant funding requested: \$899,027.91 Project Cost: \$899,027.91 (100% of project cost)

Map of the proposed project area, including identification of serviceable locations (points) proposed to be served



The number of serviceable locations in the proposed project area

There are approximately 602 serviceable locations in the proposed project area. This number includes service to any school, library, fire station, and utilities operating in the proposed project area. The California Interactive Broadband Map indicates there are only 455 locations, and Cal.net validated that the number of locations needing service is 602. The difference in counts is mostly because the MDU's were counted as an individual consumer when they represent multiple. The other thing we found is that most of the businesses and anchor institutions were not included in the Broadband Map Data set.

The maximum upload and download speeds currently offered to serviceable locations in the project area (in mbps)

According to the data available through the California Interactive Broadband Map, it shows Applied Technology provides 25 mbps downstream and 10 mbps upstream. The California Interactive Broadband Map also shows unWired Broadband provides 30 mbps downstream and 8mbps upstream; however, The Wonderful Company is not aware of anyone in Lost Hills who uses unWired Broadband for internet service.

Median household income of the project area

The median household income for the project area is \$42,793.00.

The number of businesses, anchor institutions and public safety locations in the project area that will receive new or improved service

There are 17 businesses, one (1) Kern County Fire Station, and five (5) school facilities within the project area that will receive new or improved services. There are no anchor institutions in the project area. The local water agency in Lost Hills, Lost Hills Utility District (LHUD) and the various sites it operates will all be able to acquire internet service from Cal.net.

A description of the major infrastructure to be deployed

Kern County (applicant), in partnership with Cal.net, will use only the most advanced fixed wireless systems to bridge the digital divide in Lost Hills. Cal.net's high-capacity high-availability network will be able to serve every resident who wants 100/20 mbps. This same equipment will be able to serve anchor institutions and any business with custom service requirements as well. The Lost Hills ring will be connected with two (2) separate fiber providers back to separate data centers for redundancy. Future development will tie the Lost Hills wireless ring to other Cal.net rings still in development. This will add an additional layer of critical redundancy.

Estimated breakdown of aerial and underground installation

This is a fully wireless installation - there are no underground or aerial wire components.

Major equipment expenses

Not inclusive of all costs, which are denoted in Checklist Item 8, Proposed Project Expenditures.

Category	Unit of Measurement	Unit Cost	Quantity	Total Cost
Outside Plant Construction (Material)				
Fiber count (dropdown)	Per Foot	\$2.10	1000	\$ 2,104.69
CO/HUB/Remote/Node Equipment/Wireless (Material)				
Above Ground Cabinets	Each	\$11,225	3	\$ 33,675.00
Antennas	Each	\$15,800	8	\$ 151,680.00
Radios/Mounting Kits/Connectors	Each	\$26,700	4	\$ 106,800.00
BACK Up Power Equipment / Electrical / Batteries	Each	\$22,396.01	2	\$ 44,792.03
Towers	Each	4,209.38	2	\$ 8,418.75
Applicants Additional Items not Provided Above				
Power Cabling		\$1.40	1000	\$ 1,403.13
7210 SAS switch		\$13,329.69	3	\$ 39,989.06
Nokia MXP's		\$6,720	4	\$ 26,880.00
Micronet Frequency Studies and PCN Filing		\$2,040	4	\$ 8,160.00
Customer Premise Equipment Including Installation (Cable, Mount, Radio, Labor)		\$1,024.91	356	\$ 364,870.87
Roof Rack		\$5,612.50	1	\$ 5,612.50
Standoffs		\$210.47	4	\$ 841.88

Estimated construction timeline

The entire project is expected to take a total of six (6) months to complete and test in preparation for the go live launch date.

Description of proposed broadband project plan for which CASF funding is being requested, including the type of technology to be provided in the proposed service areas:

Download speed capabilities of proposed facilities:

- Service is based on the Federal 100 mbps download standard but has the ability to be customized to match the consumers' specific requirements. However, we can deliver packages with download speeds from 20 to 500 mbps.

Upload speed capabilities of proposed facilities:

- Service is based on the Federal 20 mbps upload standard but has the ability to be customized to match the consumers' specific requirements. However, we can deliver packages with upload speeds from 3 to 100 mbps.

Sufficient construction detail to enable a preliminary indication of the need for a California Environmental Quality Act (CEQA) review and if proposed project areas contain any environmentally sensitive areas:

- There will be no ground disturbance at any of the locations. Cal.net uses precast foundations for cabinets sitting on top of a bed of gravel. All vertical assets are in existence already.

Identification of the leveraging of existing available facilities:

- The design leverages the existing infrastructure on the candidate sites.

A statement of whether the applicant is disputing the Broadband Map depiction of served status:

- Kern County will not be disputing the Broadband Map depiction of served status.

A statement of whether the applicant is seeking Ministerial Review and, if so, information that the application meets all requirements for Ministerial Review:

- Kern County is seeking ministerial review of this project based on:
 - (a) The grant amount requested for this project is less than \$900,000;
 - (b) The project is not expected to be challenged;
 - (c) The project is expected to be California Environmental Quality Act (CEQA)-exempt;
 - (d) Kern County does not expect to see any competing applications for the project area.
 - (e) Costs per serviceable location are low.
- Additionally, Kern County's partner, Cal.net participates in the Federal ACP (Affordable Connectivity Program). Customers that qualify can receive \$30 off their services. With the discount the basic service is \$9.95 monthly.

A description of middle mile facilities for which funding is requested in the proposed project area and an attestation that applicant will consult with CDT as required by these guidelines:

- No middle mile facilities are part of the funding request or in the proposed project.

A statement accepting open access requirements for any middle mile facilities in the proposed project:

- Not applicable - no middle mile facilities are in the proposed project.