

PST Lake Davis Project Summary

Applicant:

Plumas-Sierra Telecommunications

U-Number: U-7218-C

Contact Person:

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Project Title:

PST Lake Davis Mid-Mile / Last-Mile Broadband Project

Proposed Project Area Location:

Lake Davis, Plumas County

Project Type:

Hybrid Mid-Mile and Last-mile

CASF Funding Requested:

\$1,118,873 in grant funds

Description of the Project:

To leverage the current PST mid-mile fiber network for which Plumas-Sierra Telecommunications was awarded ARRA and CASF funds, PST is now applying for additional CASF funding to deploy further mid-mile and last-mile broadband networks to serve the Lake Davis area of Plumas County.

The mid-mile network expansion is vital to reach the deployment area for the last-mile target residences. The last-mile network will use wired and wireless technology interconnected with PST's mid-mile fiber network to offer service to 185 households in Plumas County in the Lake Davis area.

Service offerings will include speeds up to 10Mbps down/1Mbps up.

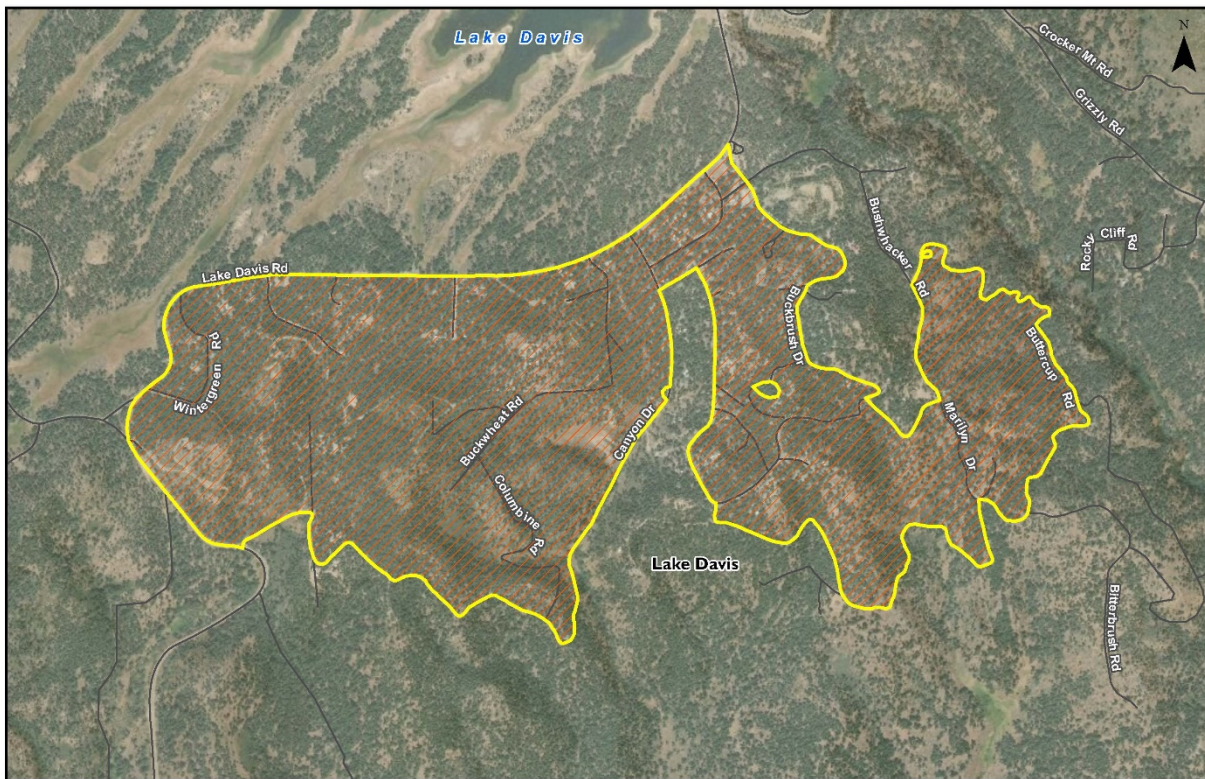
This project will also provide services to proposed new cell sites which will offer improved communications in the area, especially in emergency situations, like boating accidents. Currently, in these emergency situations, EMS personnel must travel back to a landline location to call for additional support. Training of EMS staff will also improve with the new broadband service.

PST is in discussions with the USFS to utilize Smith Peak Fire Lookout as a wireless broadcast point. The opportunity to use the peak as a broadcast point in conjunction with the USFS will offer increased safety with real-time weather data and communications to USFS employees.

The area around Lake Davis is very topographically challenging. The combination of fiber and wireless broadcast points will allow PST the greatest opportunity to reach the households in this application to provide the residents an improved quality of life that is not available now because of their current broadband isolation.

Map of the Proposed Project:

Plumas Sierra Telecom - CASF Project: Lake Davis



Fixed Broadband Served Status by Census Block within project area:

	Unserved		
	- Slow Service	Unserved - No Service	Unserved Total
Population	0	34	36
Households	0	17	18
Housing Units	0	109	109
Addresses (from Item 4)	0	185	185

This project will bring service to 185 address locations which are outlined in Item 4. These addresses are derived from the most current Plumas County parcel database.

Census Blocks to be served:

- 060630003004447
- 060630003004448
- 060630003004449
- 060630003004451
- 060630003004452
- 060630003004459
- 060630003004461
- 060630003004466
- 060630003004467
- 060630003004542

Funding Level:

The area applied for is 100% unserved with no service (Dial-up only) according the CPUC’s 2018 Housing Unit projections. No existing CAF II areas are within project area. Requesting 100% project funding.

The project area includes 10 census blocks in Plumas County at the southern end of Lake Davis in the Community of Lake Davis. This area encompasses 0.93 Square Miles.

Median Household Income: \$62,321

Anchor Institutions, Public Safety Locations and Businesses:

The project area does not include any Anchor Institutions or Public Safety Locations as identified by the current California Interactive Broadband Map.

There are two businesses in the proposed project area.

- Saxton Chiropractic Inc.
- Lake Davis Camp Ground

Major Infrastructure and Equipment to be Deployed:

- 1 Solar generation system to power the wireless broadcast point on Smith Peak
- 1 Wireless Tower
- 1 2.4-GHz point to point feed
- 4 2.4-GHz antennas
- 4 Outdoor enclosures
- 1 CISCO DHCP Router
- 14.2 Miles of Fiber
- 1 Patch panel
- 1 Underground cabinet for E7
- 1 E7 Chasis
- 1 8-port laser
- 1 GIGE card
- 1 GPON card
- 2 Rectifiers
- 1 Power inverter for cabinet
- 8 40K SFPs
- 1 80K SFP

Aerial and Underground Installation:

- 6.63 Miles of underground infrastructure
- 7.58 Miles of overhead infrastructure

Estimated Construction Timeline: 6 months

Proposed Broadband Project Plan:

The PST Lake Davis Mid-Mile / Last-Mile Broadband Project plans to use multiple technologies including, fiber optic cable and 2.4 GHz wireless to provide download speeds of 10 Mbps and upload speeds of 1 Mbps.

PST is leveraging its current mid-mile fiber network for which it was awarded ARRA and CASF funds to deploy this additional mid-mile and last-mile broadband network to serve the Lake Davis area of Plumas County. The mid-mile network expansion is vital to reach the deployment area for the last-mile target residences because there is no existing mid-mile infrastructure to interconnect with for this project, and without it, PST will not be able to provide service to the Lake Davis community.

Plumas-Sierra Telecommunications believes that this mid-mile / last-mile broadband project is categorically exempt from CEQA requirements based on the findings of the CEQA analysis conducted for

the previous ARRA grant, and because PST is using existing public utility easements considered previously disturbed.

PST is not disputing the Broadband Map depiction of served status.

PST is seeking Ministerial Review of this project. PST believes this project meets the requirements for ministerial review because PST meets eligibility requirements, the project area is unserved and we do not foresee challenges, the grant amount does not exceed \$10,000,000, the project is CEQA-exempt, we do not believe there are any other applications for this same area, and our costs per household are below \$9,300.