

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

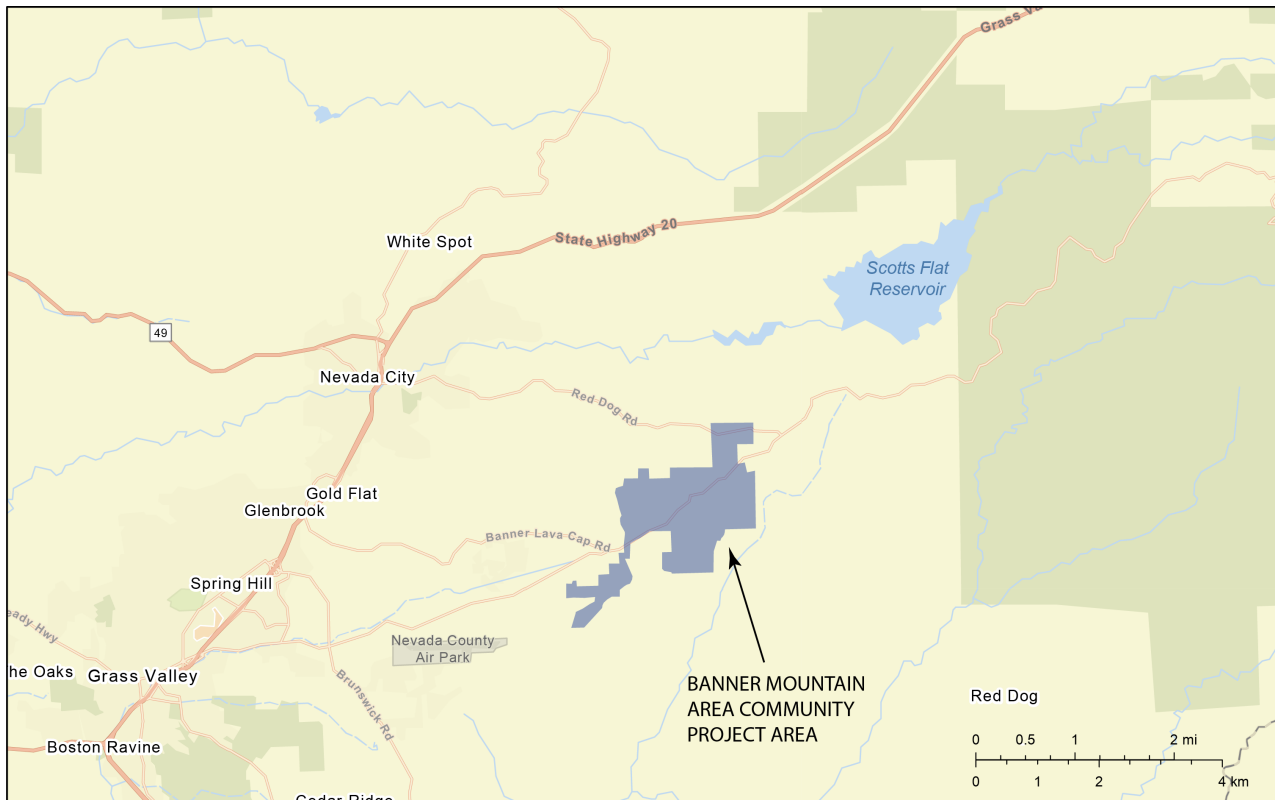
CASF APPLICATION

Banner Mountain Area Community
Located in Nevada County, California

1. PROJECT SUMMARY (Distributed Publicly)

Applicants Name:	Nevada County Fiber Inc
Contact Person	Andrew Wilkinson Chief Executive Officer 17347 Dusty Drive Nevada City, CA, 95959 (530) 263 5014 Andrew@NevCoFiber.com
Project Name	Banner Mountain Area Community
Location	Banner Lava Cap Rd, Nevada City, CA 95959
Project Type	Last-Mile underground fiber to the home
Funding Request	\$4,934,403
CPCN	U-7375-C
Serviceable Locations	206

2. PROJECT AREA MAP



- If the project is requesting funding in an area with no internet connectivity, it must state the number of serviceable locations with no-internet connectivity and the number of other CASF-eligible serviceable locations. It is estimated that there are 5-10 locations, out of the total number of CASF-Eligible serviceable locations in the project area that have no internet connectivity. The estimate is based on home owner feedback received in The County of Nevada 'Need for Speed Broadband Survey' which was conducted in 2022 and received over 4,400 responses.
- The maximum mbps download and upload speed currently offered to serviceable locations in the project area. 1Gbps (1,000Mbps).

- Median Household Income of the project area. [Average median household income across the project area is \\$85,883](#)

Median Household Income	Census Block Group
\$70,625	060570007011
\$93,810	060570007016
\$93,214	060570007014

- The number of businesses, anchor institutions and public safety locations in the project area that will receive new or improved service. [Estimated 30-50 small business's, and planned Nevada County Consolidated Fire Department \(NCCFD\) Helipad that may utilize the underground fiber optic service.](#)
- A description of the major infrastructure to be deployed: miles of planned fiber, Central Offices used, number of remote terminals/fiber huts/wireless towers to be built, and if an IRU is used. [8.8 miles of primary underground distribution cable from central office facility, underground concrete splice vaults, marker posts, optical switches and enhanced battery back up with redundant generator.](#)
- Estimated breakdown of aerial and underground installation. [100% Underground](#)
- Major equipment expenses (e.g., number of remote terminals, optical line terminals, fiber switches, fiber distribution hubs, etc.). [46,500 feet of underground conduit & fiber optic cable, 100 splice vaults, 206 customer premise terminations & fiber optic modem](#)
- Estimated construction timeline. [~18 months. The project area is located at 3,300' elevation and is susceptible to extreme rain and snowfall. In 2021 & 2022 there was significant snow fall and long periods of rain. The project area is in a high risk wildfire area which could also have a significant impact on planned schedules.](#)
- 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: [The proposed project is a 100% underground active ethernet project, with a dedicated fiber optic cable to each location. The solution is capable of operating as an Open Access network and could offer a choice of services as the number of subscribers grow. The project will utilize a fully redundant data center with autonomous hybrid lithium ion battery back up that is capable of operating the fiber optic system for more than a month if needed without PG&E utility power.](#)
- Download speed capabilities of proposed facilities. [Active Ethernet dedicated fiber to each home, 1Gbps \(1,000Mbps\)](#)

- Upload speed capabilities of proposed facilities. [Active Ethernet dedicated fiber to each home, 1Gbps \(1,000Mbps\)](#)
- The project description will provide enough construction detail to enable a preliminary indication of the need for a California Environmental Quality Act (CEQA) review and if proposed project areas contains any environmentally sensitive areas. For example, when trenching is required, the applicant will state and describe the manner in which the site is to be restored, post-trenching. [The County of Nevada has implemented a county wide EIR designed to meet or exceed the CEQA requirements to expedite broadband deployment by ISPs. In additional a Noticed Of Exemption has been filed \(NOE\). The proposed project will utilize micro trenching to install the fiber optic conduits.](#)
- Identification of the leveraging of existing available facilities (e.g., interconnection in lieu of overbuilding existing facilities of another provider). [The project will expand upon the existing Nevada County Fiber underground facilities.](#)
- A statement of whether the applicant is disputing the Broadband Map depiction of served status. [The project area contains many eligible and priority eligible locations as show on the current CASF Broadband Map.](#)
- A statement of whether the applicant is seeking Ministerial Review and, if so, information that the application meets all requirements for Ministerial Review. [The project meets all the criteria for Ministerial Review and Nevada County Fiber is requesting Ministerial review.](#)
- An explanation of why any middle mile facilities in the proposed project are necessary for accessing the proposed last-mile infrastructure. [The project is including a relocation of the back haul to the Loma Rica Industrial area in Grass Valley. By relocating to an underground conduit it will significantly reduce any disruption in service from wild land fire or winter storm damage to the current aerial back haul service. This will improve public safety and economic resiliency for the local community.](#)

- A statement accepting the open access requirements for any middle mile facilities in the proposed project. Projects will interconnect with the statewide open-access middle mile network, where reasonable and feasible;¹⁸ if interconnection to the statewide middle mile network is not feasible or reasonable, a verifiable statement explaining why interconnection is not feasible or reasonable is also required. [Nevada County Fiber would like to connect to the statewide open access middle mile, but the closest point of access is more than 6 miles away and is not economically feasible at the current time.](#)

The applicant may also use this summary information in its adoption and outreach efforts, i.e., in soliciting local government and community support for the proposed project, in disseminating information to their proposed communities/areas.