

**Frontier CASF Broadband Infrastructure Grant Application – Mad River FTTP  
Item #1 - Project Summary**

**Applicant:** Citizens Telecommunications Company of California Inc. d/b/a Frontier Communications of California (U-1024-C)

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**Project Title:** Mad River

**Location:** Mad River within Trinity County and Humboldt Counties

**Type:** Middle-Mile / Last mile

**Grant Request:** \$8,169,979

**PROJECT SUMMARY**

Citizens Telecommunications Company of California Inc. d/b/a Frontier Communications of California (U-1024-C) (Frontier) is applying for a \$8,169,979 grant from the California Advanced Services Fund (CASF) Broadband Infrastructure Grant Account to deploy fiber to the premise (FTTP) facilities that will provide High-Speed Internet (HSI) to 203 unserved, CASF eligible households in the regions of Weaverville, Hayfork and Mad River within Humboldt and Trinity Counties. Frontier refers to the collective areas of this proposal as the Mad River FTTP Project (Project). Frontier requests that the California Public Utilities Commission (Commission) grant full funding for this Project in the amount of \$8,169,979.

The Project would provide for middle-mile and last mile infrastructure deployment to provide service to customers with minimum symmetrical speeds of 50 Mbps and maximum symmetrical speeds of up to 1 Gbps using fiber optic technology. This Project would offer these services to 46 community anchor institutions and businesses, including the following:

Alps View High (Continuation)	Hayfork Community Health	Trinity County Sheriff Dept
Hayfork Airport	Hayfork Branch Library	Trinity Hospital Nursing Facility
Hyampom Airport	Junction City Elementary	Trinity Hospital
Ruth Airport	Southern Trinity Adult Education	Trinity Home Health Services
James E. Swett Airport	Mt. Lassic High (Continuation)	Trinity Community Health
Lonnie Pool Field-Weaverville	Redding Rancheria Health Center	Southern Trinity Health Services
Hayfork Christian Academy	Southern Trinity High	Trinity Adult
Hayfork Fire Station	Van Duzen Elementary	Trinity High
Douglas City Elementary	Trinity Center Elementary	Trinity County Fairgrounds
Valley High	Trinity County Community	Weaverville Elementary
Mountain Valley Adult	Trinity County Juvenile Hall	Weaverville Fire Station
Hayfork High	Trinity County Special Education	
Hayfork Elementary	Trinity County Free Library	

The Project will also pass key Fire Department locations, including:

Hayfork, CA Fire Departments

- CAL FIRE Shasta Trinity Unit- Station 62
- Hayfork Voluntary Fire Department

- Shasta Trinity National Forest Fire and Aviation- Hayfork Ranger Station

Junction City, CA Fire Departments

- Junction City Volunteer Fire Department
- Junction City Volunteer Fire Department- Station 2
- Junction City Volunteer Fire Department- Station 3

Weaverville, CA Fire Department

- CAL FIRE Shasta Trinity Unit- Station 60
- Shasta Trinity National Forest Fire and Aviation- Weaverville Ranger Station
- U.S. Forest Service- Trinity River Management Unit- Fire Department
- Weaverville Fire Department

In addition, seven non-CASF Frontier households will benefit from the equipment upgrade and will enjoy the same speeds. Service will also be made available through Frontier’s low-income broadband programs described later.

The Project covers approximately 23 square miles and upgrades existing facilities capable of providing fiber optic HSI and OTT services. Specifically, Frontier fiber will be placed in existing conduit or poles where applicable. Where conduit or poles do not exist, fiber will be placed in existing easement and/or right-of-way following the existing copper facilities path. There is currently no broadband infrastructure in the Mad River and Hayfork Wire Centers. The Project will place approximately 124 miles of fiber, a fiber distribution cabinet and central office equipment upgrades in the Mad River, Hayfork and Weaverville Wire Centers. The Project build is estimated to be 60% aerial and 40% buried fiber, with an anticipated construction timeline, after all permits are secured, within the two-year window as required by D.18-12-018. Due to the rugged terrain, remote location and need to underground, Frontier does not anticipate this Project would be exempt from CEQA, and therefore, would not qualify for ministerial review.

**FUNDING RATIONALE**

Under the new CASF rules adopted in D.18-12-018 (issued December 20, 2018) (Decision), Frontier believes that the proposed Project qualifies for 100% funding – \$8,169,979 – which represents the full projected costs to provide service to 203 unserved CASF-eligible households.

The Decision provides a table which summarizes criteria for funding level determinations. According to this table, only Projects in low-income areas or without any service from an existing facilities-based provider (a “dial-up only” area) are eligible to receive up to 100% funding. According to the California Interactive Broadband Map, all census blocks are unserved and eligible for CASF funding. The proposed Mad River qualifies for 100% funding as it meets the following criteria:

Criteria	Reimbursement
Baseline for Eligible Project	60%
Presence of dial-up only (all households)	40%
<b>TOTAL</b>	<b>100%</b>

- **Areas with only dial-up or no Internet connectivity:** The proposed build resides within an area that is currently not served by any form of wireline or wireless facilities-based broadband and proposes a cost-effective expansion of broadband access to 203 unserved CASF-eligible households; the proximity of this infrastructure upgrade will also enhance services to an additional 7 non-CASF Frontier households.
- **Location and accessibility of the area:** The Commission interprets this category to mean that the Legislature directed the Commission to award higher funding levels in remote areas, as specified. The Decision directs Staff

to award more funding if an applicant proves a proposed Project area meets two of the five characteristics outlined below; this Project meets five of the five, as shown below in bold:

- ✓ **The proposed Project area contains rugged or difficult terrain (e.g., mountains, desert, national or state forest);**
  - ✓ **The proposed Project area is an unincorporated community;**
  - ✓ **The proposed Project area is more than 10 miles from the nearest hospital**
  - ✓ **The proposed Project area is more than 10 miles from the nearest state or federal highway; and/or (not applicable);**
  - ✓ **The proposed Project area is located in a rural census block, as defined by the U.S. Census Bureau.**
- **Existence of communication facilities that may be upgraded to deploy broadband:** The Commission interprets this category mean that the proposed Project relies primarily on existing infrastructure. This Project plans to leverage Frontier’s existing infrastructure, and thus will be less expensive to build.
  - **Significant contribution to achieving the program goal:** The proposed Project would make a significant contribution to the CASF program as the area within the Northeastern California Connect Consortium, a region which is served at 90.3% and falls below the 98% goal set forth in AB 1665.
  - **Low-Income Service:** The proposed Project area qualifies as low-income community with median household incomes ranging from \$19,896 - \$44,643 all of which fall of fall below the CARE standard of \$52,400 as required by this Decision. In fact, in Mad River the poverty rate is over 30% of the total population as compared to the California average, which has a 19% poverty rate.
    - ✓ *Low-Income Plan:* Frontier features a choice of two low-income programs for customers: Frontier Fundamental and Frontier Affordable Broadband. The Frontier Affordable Broadband product requires customers to be enrolled in Lifeline telephone service. Alternatively, the Frontier Fundamental product is a stand-alone low-income broadband program that does not require a customer to purchase telephone service. Both products will provide minimum symmetrical speeds of 50 Mbps.

#### **ADDITIONAL BENEFITS**

This Project will support the goal of achieving 98% broadband service availability in the Redwood Coast Connect Consortium. Based on latest CPUC broadband availability data (as of December 2018), this consortium is served at 90.3%, being Trinity is served at 69.90%.

Frontier is the primary service provider in the Northwest region, rendering this Project absolutely vital in the larger goal of providing service to those on the wrong side of the Digital Divide. Local governments, higher education, elected officials and economic development leaders support this Project as expanding, upgrading and increasing the reliability of Internet service in Trinity and Humboldt Counties that will benefit residents and community anchor institutions in areas such as education, healthcare, economic and workforce development, and emergency services. Enhanced Internet service capabilities are critical for public safety communications allowing first responders to send and receive critical voice, video and data during emergencies and disasters, which happen frequently in this region.

While the primary goal of this Project is to provide broadband service to unserved households, the Project provides the considerable benefit of network diversity to over 1,700 households through the proposed deployment of 30 miles of inter-office fiber between Weaverville and Hayfork with an additional 37 miles of inter-office fiber between Hayfork and Mad River.

Both College of the Redwoods and the California Center for Rural Policy at Humboldt State University support this Project based on the understanding that HSI access will improve educational opportunities for adults in the region and will also help with enrollment challenges. COVID-19 has shown the importance and need to increase broadband services

to allow communities to have distance learning educational opportunities. Young students, rural school teachers and administrators are also enthusiastic that this Project to be approved because connectivity limitations are exacerbating the Digital Divide and limiting student ability to experience as broad a range of learning opportunities and urban and suburban students in the classroom. Lower income young students lacking Internet connectivity at home are at a disadvantage when completing assignments that require online access and interaction.

Broadband availability in this region will increase the ability of locals to participate in a variety of jobs that will increase employment growth and open this remote area to participate in a variety of different regional industry sectors. Additionally, as the state and federal government increase the need for citizens to communicate by access online websites — such as taking the Census online and online portals for unemployment — creating an imperative for every to need reliable services.

Rural healthcare facilities and rural residents seeking healthcare services will greatly benefit from this Project, as the healthcare sector is emerging as a heavy user of Internet services and COVID-19 has accelerated telehealth in the region.

The application for this Project is a modest funding request for a region of the state that is severely unserved and underserved, and therefore is a prudent use of funds to help close the Digital Divide.

In addition to preparing this application for the CASF Infrastructure Grant Account pursuant to the existing rules and regulations, we have worked with the Regional Consortium to identify anchor institutions within proximity of the fiber middle-mile backhaul deployment that would benefit from connectivity to the new network. If the Legislature and Administration authorize additional support to expand the opportunity for critical broadband expansion beyond last mile deployment, Frontier stands ready to work with qualified anchor institutions to support higher-speed Internet service.

This grant application creates important potential opportunities for anchor institutions help advance broadband in low-income, underserved communities along the path of deployment by supporting distance learning and telehealth-telemedicine, both in response to COVID-19 and to build for the future to secure “Broadband For All.”

**Census Blocks Covered:**

61050004001191	61050004002029	61050004001221
61050004001074	60230109021240	60230109021227
61050004001206	60230109021220	61050004001190
61050004001203	60230109021219	61050004001073
61050004001171	60230109021244	61050004001166
61050004001063	61050004001165	61050004001212
60230109021233	60230109021232	61050004001224
61050004001064	61050004001201	61050004001204
61050004001205	60230109021241	61050004001069
60230109021234	60230109021345	61050004001219
60230109021243	60230109021230	
61050004001198	61050004001067	

**ZIP Codes Covered**

95526  
95595  
95552

# Mad River FOTP Area Map

