

## **Plumas-Sierra Telecommunications Sierra Brooks Project Summary**

### **Applicant:**

Plumas-Sierra Telecommunications

U-Number: U-7218-C

### **Contact Person:**

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Or

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### **Project Title:**

PST Sierra Brooks Broadband Project

### **Proposed Project Area Location:**

Sierra Brooks community of Sierra County

### **Project Type:**

Last-mile

### **CASF Funding Requested:**

PST is requesting the full project cost of \$3,657,020 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 last-mile broadband networks to serve the Sierra Brooks community of Sierra County.

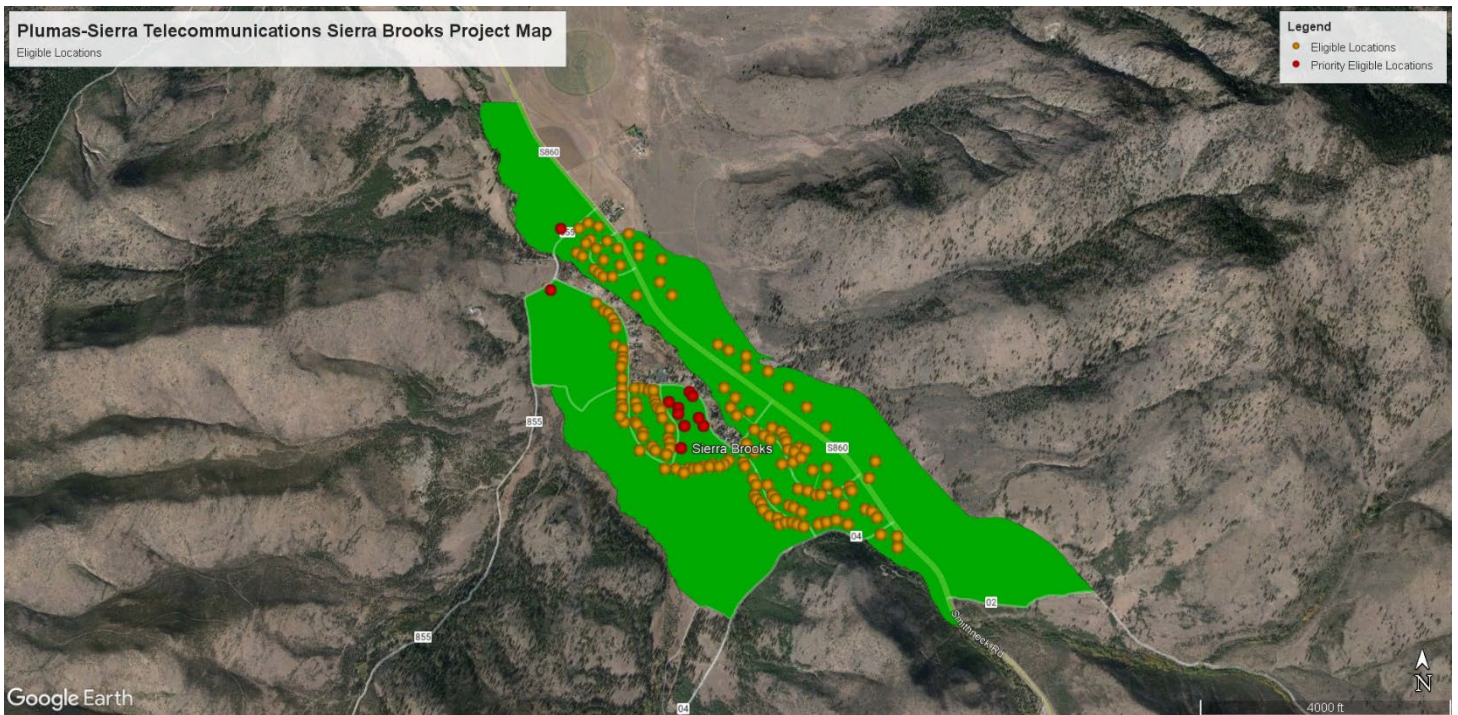
The last-mile network will use fiber optic wireline technology interconnected with PST’s mid-mile fiber network to offer service to 161 locations in this unserved area of Sierra County.

Service offerings will include minimum speeds of 100 Mbps down/ 20 Mbps up and maximum speeds of up to 1Gbps down/1Gbps up. PST’s service offerings will not have data caps.

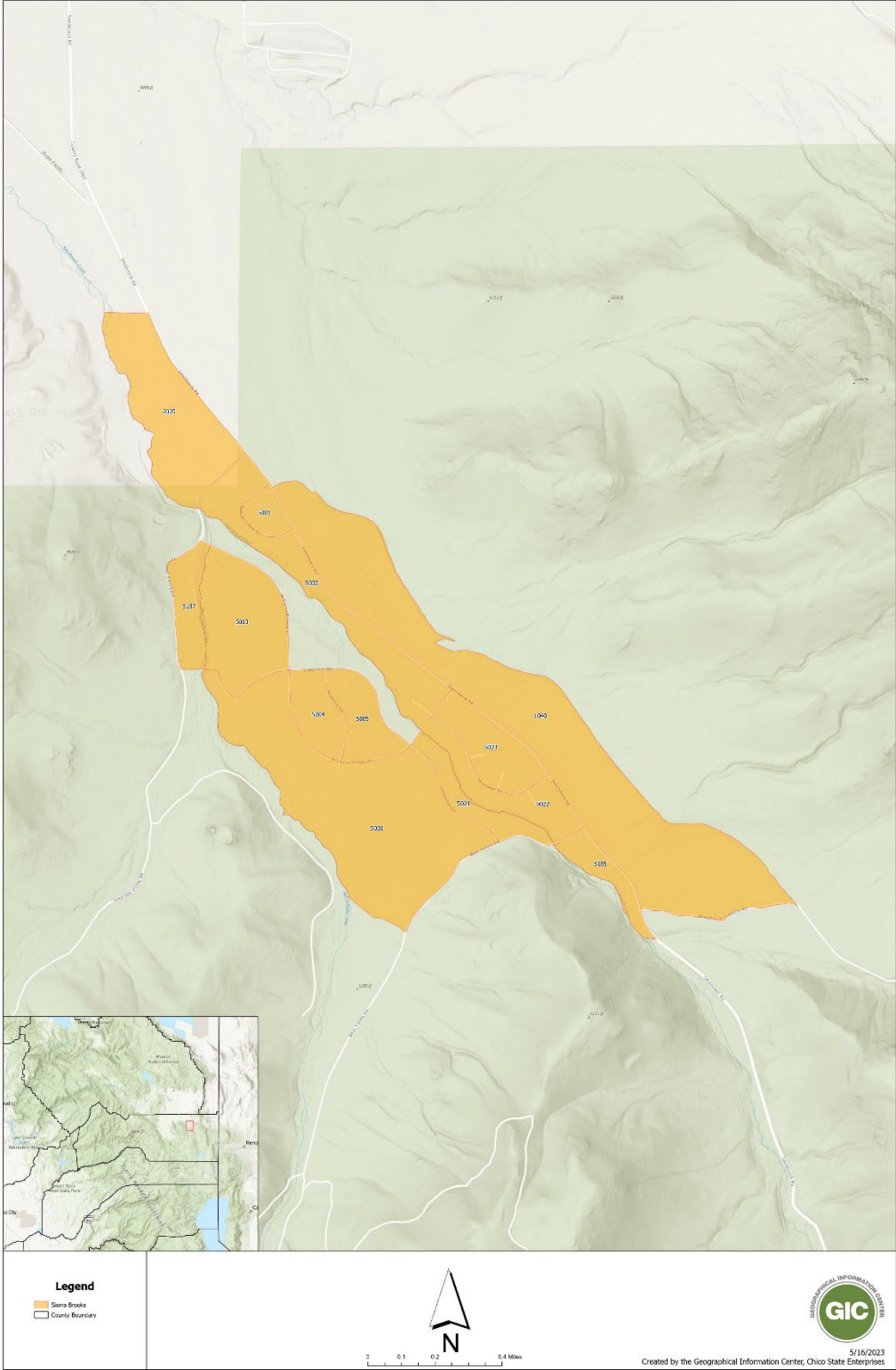
The use of fiber optics will allow PST to provide the households in this application with the most current technology, offering an improved quality of life that is not available to these residents now because of their current broadband isolation.

The COVID-19 Pandemic has highlighted the need for broadband services for working and learning from home. This project will provide much needed service in these rural areas of California.

**Maps of the proposed project area follow:**



Plumas Sierra Telecom - CASF Sierra: Sierra Brooks



**Serviceable Locations within project area:** 161, all of which are currently Unserved with speeds of less than 25 Mbps Down/ 3 Mbps Up. Many of these locations are in Priority Unserved areas with speeds less than 10 Mbps Down/ 1 Mbps Up.

**Census Blocks in Project Area:**

060910100002035

060910100005000

060910100005001

060910100001040

060910100005023

060910100005022

060910100005185

060910100005021

060910100005006

060910100005005

060910100005004

060910100005003

060910100005187

**Median Household Income:** \$64,342.33

**Anchor Institutions, Public Safety Locations and Businesses:**

The project area does not include any anchor institutions, public safety locations or businesses.

**Major Infrastructure and Equipment to be Deployed:**

- 23.4 Miles of Fiber Optic Cable
- 120 Optical Line Terminals
- 16 Handholes
- 161 Optical Network Terminals
- 1 Above-ground Cabinet
- 1 XGS-PON8 card
- 8 XGS-PON SFPs

**Aerial and Underground Installation:**

- 8 Miles of underground infrastructure
- 15.4 Miles of overhead infrastructure

**Cost of Major Infrastructure and Equipment to be Deployed:** \$361,520

**Estimated Construction Timeline:** 24 months after environmental review and permit approvals.

**Proposed Broadband Project Plan:**

The PST Sierra Brooks Broadband Project plans to use fiber optic cable to provide download speeds of up to 1 Gbps and upload speeds of up to 1 Gbps with no data caps.

PST is leveraging its current mid-mile fiber network for which it was awarded ARRA and CASF funds, and existing infrastructure of its parent company, Plumas-Sierra Rural Electric Cooperative to deploy this additional last-mile broadband network to serve the Sierra Brooks community of Sierra County.

Plumas-Sierra Telecommunications believes that this last-mile broadband project will require CEQA and NEPA review with USDA/USFS.

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

PST is not seeking Ministerial Review of this project.

The PST Sierra Brooks Broadband Project proposes construction of only new last-mile broadband infrastructure. No funding is being requested for mid-mile infrastructure.