

Plumas-Sierra Telecommunications Plumas Pines Broadband Project Summary

Applicant:

Plumas-Sierra Telecommunications
U-Number: U-7218-C

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Project Title:

Plumas-Sierra Telecommunications Plumas Pines Broadband Project

Proposed Project Area Location:

Plumas Pines and Graeagle Meadows areas of Plumas County

Project Type:

Last-mile

CASF Funding Requested:

PST is requesting the full project cost of \$2,721,114 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 Plumas Pines and Graeagle Meadows areas of Plumas County.

The last-mile network will use fiber optic wireline technology interconnected with PST’s mid-mile fiber network to offer service to these 45 unserved locations in Plumas 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.

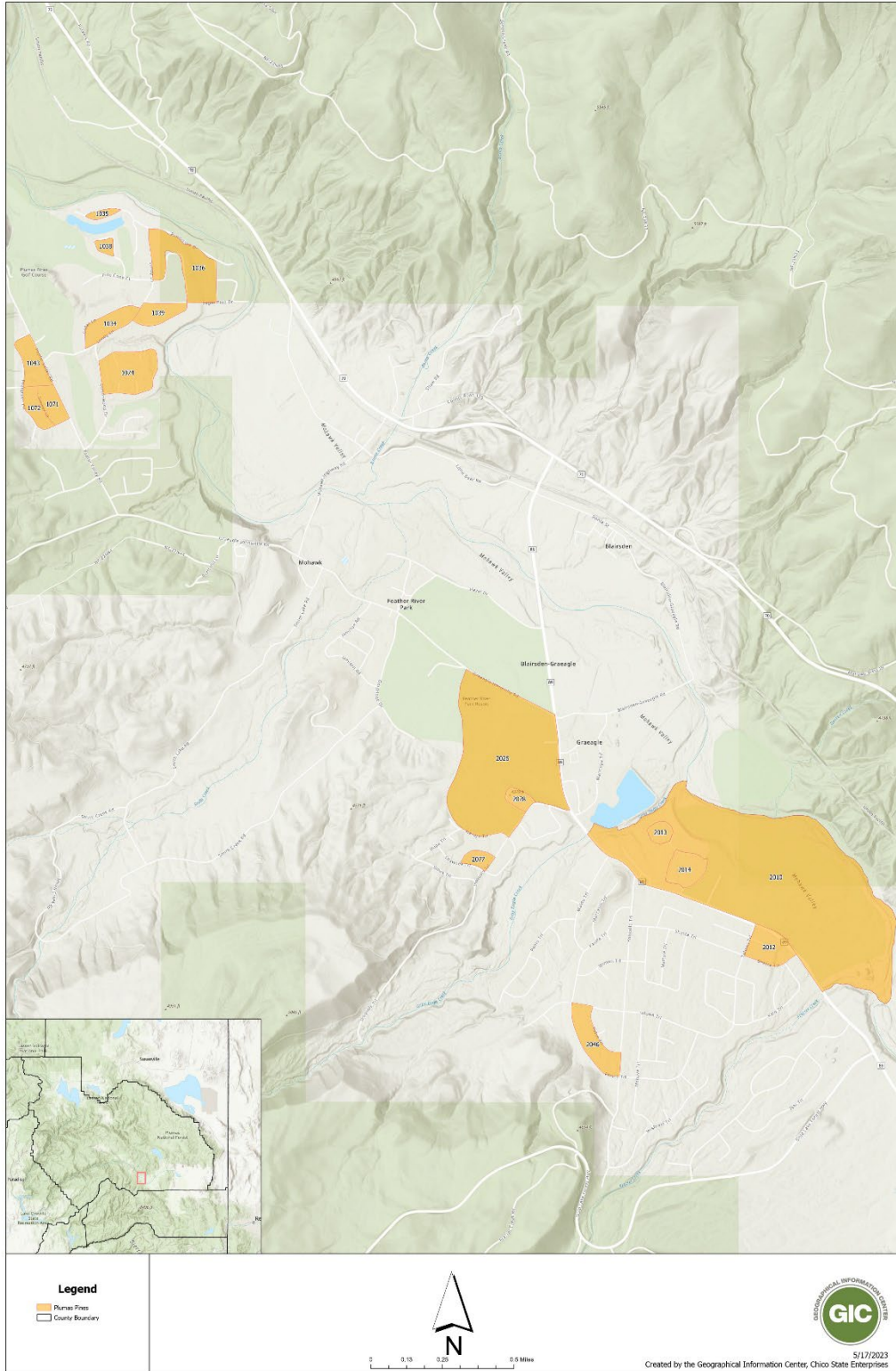
The use of fiber optics will allow PST to provide the households in this application with the most current technology, offering an improved quality of life that is not available to these residents now because of their current broadband isolation.

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 areas follow:



Plumas Sierra Telecom - CASF Plumas: Plumas Pines



Serviceable Locations within project area: 45, all of which are currently Unserved with speeds of less than 25 Mbps Down/ 3 Mbps Up. The majority of these locations are Priority Unserved with speeds less than 10 Mbps Down/ 1 Mbps Up.

Census Blocks in Project Area:

60630002011034

60630002011035

60630002011036

60630002011038

60630002011039

60630002011043

60630002011071

60630002011072

60630002011074

60630002012010

60630002012012

60630002012013

60630002012014

60630002012026

60630002012046

60630002012077

60630002012078

Median Household Income: \$64,966

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:

- 15.1 Miles of Fiber Optic Cable

- 38 Optical Line Terminals
- 81 Handholes
- 45 Optical Network Terminals
- 2 Above-ground Cabinet
- 1 XGS-PON8 card
- 8 XGS-PON SFPs

Aerial and Underground Installation:

- 10.4 Miles of underground infrastructure
- 4.7 Miles of overhead infrastructure

Cost of Major Infrastructure and Equipment to be Deployed: \$236,114

Estimated Construction Timeline: 18 months

Proposed Broadband Project Plan:

The PST Plumas Pines 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 Plumas Pines and Graeagle Meadows areas of Plumas County.

Plumas-Sierra Telecommunications believes that this last-mile broadband project is categorically exempt from CEQA requirements because PST is using existing public utility easements considered previously disturbed. PST believes this project is exempt under CEQA Article 19, Sections 15301 b and 15303 d.

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

PST is not seeking Ministerial Review of this project.

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