

PST Long Valley – Spring Garden Project Summary

Applicant:

Plumas-Sierra Telecommunications

U-Number: U-7218-C

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Project Title:

PST Long Valley – Spring Garden Mid-Mile / Last-Mile Broadband Project

Proposed Project Area Location:

Long Valley – Spring Garden area, Plumas County

Project Type:

Hybrid Mid-Mile and Last-mile

CASF Funding Requested:

\$ 3,318,255 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 Long Valley – Spring Garden 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 fiber optic wireline technology interconnected with PST's mid-mile fiber network to offer service to 35 households in this unserved area of Plumas County.

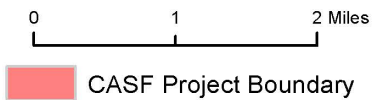
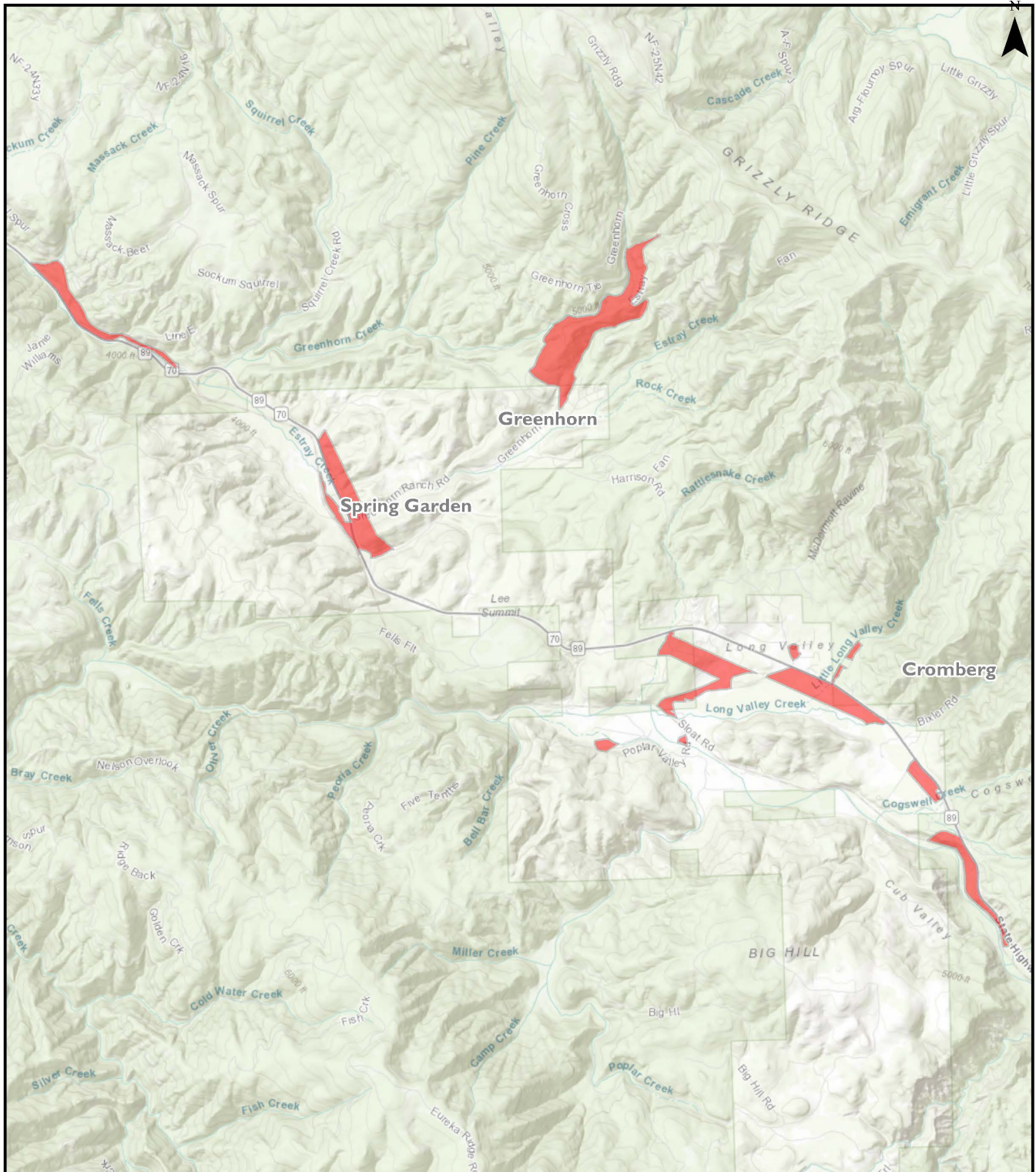
Service offerings will include minimum speeds of 10Mbps down/1Mbps up and maximum speeds of up to 1Gbps down/1Gbps up. PST's service offerings will not have data caps.

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.

Map of the proposed project follows on the next page.

Plumas Sierra Telecom - CASF Project: Long Valley - Spring Garden



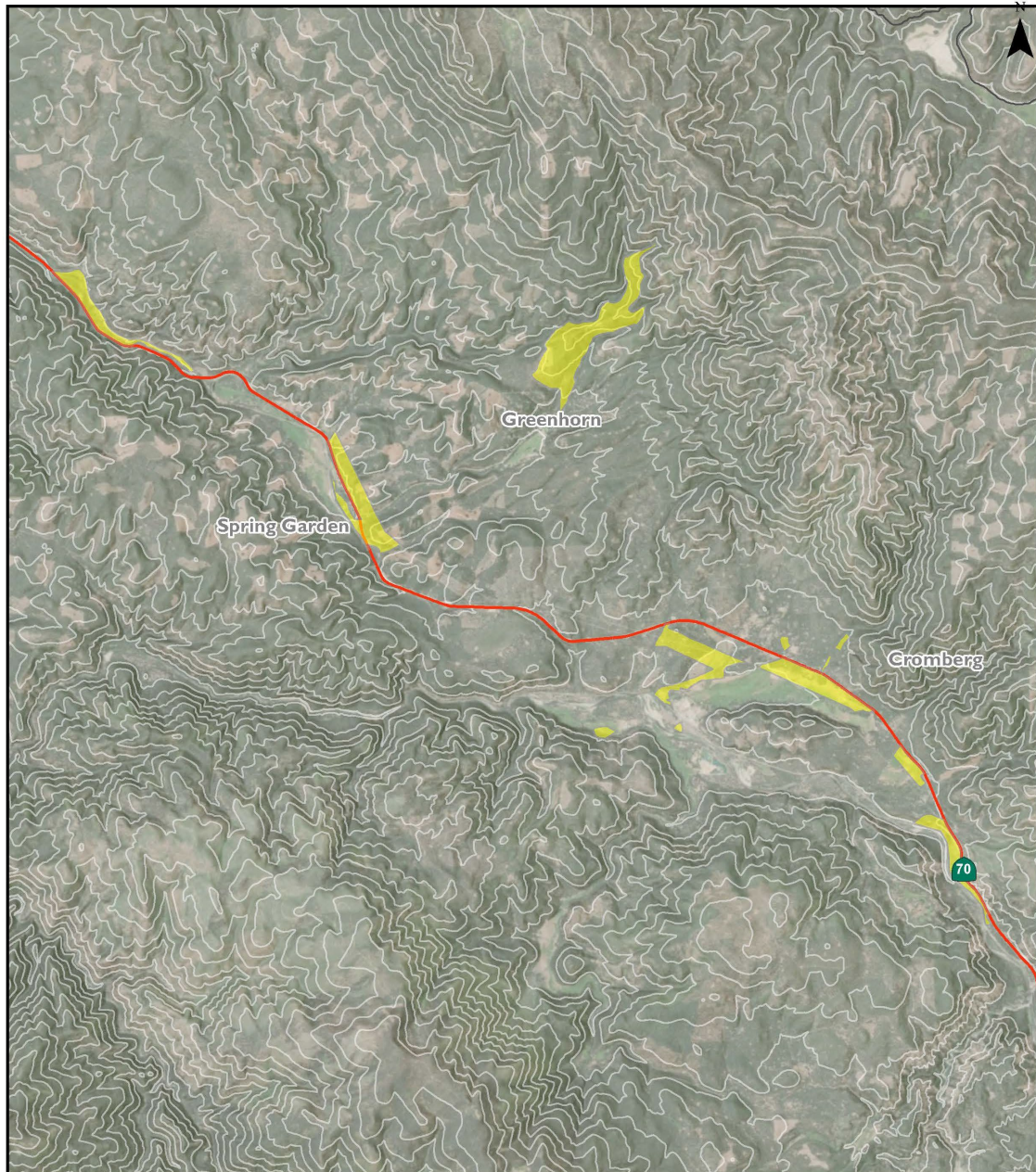
Date: March 12th, 2020



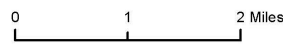
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The additional map and photo help to highlight the dense trees and topography typical of the areas proposed for service. These are two major factors contributing to the high cost of this project and why other providers have not yet brought service to these areas of Plumas County. The dense tree cover also prohibits the use of wireless services, making fiber optics the only real option to provide broadband service to these areas.

Plumas Sierra Telecom - CASF Project: Long Valley - Spring Garden



	CASF Project Boundary
	Contours - 200 ft



Date: April 23rd, 2020



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This image illustrates the dense forest and rough terrain of the Long Valley – Spring Garden area.

Fixed Broadband Served Status by Census Block within project area:

	Unserved		
	- Slow Service	Unserved - No Service	Unserved Total
Population	0	69	69
Households	0	35	35
Housing Units	0	54	54
Addresses (from Item 4)	0	65	65

This project will bring service to 65 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:

- 060630001006071
- 060630002021091
- 060630002021133
- 060630002021134
- 060630002021135
- 060630002021146
- 060630002021147
- 060630002021159
- 060630002021163

060630002021165
060630002021182
060630002021204
060630002021204
060630002021207
060630002021208
060630002021209
060630002021222
060630002021228
060630002021247

Funding Level:

The area applied for is 100% unserved with no service (Dial-up only) according the CPUC’s 2019 Housing Unit projections. No existing CAF II areas are within project area. Requesting 100% project funding.

The project area includes 19 census blocks in Plumas County in the Communities of Long Valley and Spring Garden along Highway 70, East of Quincy. This area encompasses 2.05 Square Miles.

Median Household Income: \$50,163

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 no businesses in the proposed project area which will be served.

Major Infrastructure and Equipment to be Deployed:

- 2 E7 Chasis
- 4 GPON card
- 32 40K SFPs

Aerial and Underground Installation:

- 2.3 Miles of underground infrastructure
- 54.5 Miles of overhead infrastructure

Estimated Construction Timeline: 3 months

Proposed Broadband Project Plan:

The PST Long Valley – Spring Garden Mid-Mile / Last-Mile 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 mid-mile and last-mile broadband network to serve the Long Valley – Spring Garden 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 these areas.

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 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.