



GOLDENSTATENET

Project 6 | Amador Overview Packet  
January 31, 2022

This map identifies the initial 18 broadband project areas and the network solutions proposed by the Third Party Administrator (TPA), GoldenStateNet, which build upon the California Public Utilities Commission (CPUC) recommended routes. Highlighted in this packet are the solutions identified for the Amador Project and other geospatially registered data sets which influenced them.



## Project 6 | Amador

The Amador project will bring improved network connectivity to many largely unserved or poorly served regions of the state, including areas in the Sierra Foothills and San Joaquin Valley, which includes portions of the state's severe fire hazard zones. GoldenSateNet's proposed solution will also enhance network access for the local Ione Band of Miwok Indians and Jackson Rancheria Tribal Nations. When completed, the proposed middle-mile infrastructure in Amador will also extend high-speed broadband to add path diversity to an existing regional open access network to improve resiliency.

Economically speaking, the new middle-mile network infrastructure can support farming communities across the region by enabling a host of precision agriculture applications that, among many features, can monitor crop conditions and enable new tilling and harvesting technologies to improve productivity and output.

To provide access to the global Internet, the recommended routes through Amador involve purchasing long-term Indefeasible Right of Use (IRU) leases of dark fiber paths connecting existing open access routes to and from Sacramento and an Internet Exchange Point in Stockton. GoldenStateNet also proposes a 50-mile construction of fiber optic cable with Caltrans to link Sutter Creek to Stockton following Highways 58, 32, and 99. The Amador Project will complete a broad ring that passes through San Joaquin, Tuolumne, and Calaveras Counties (see Project Document #7), creating additional path diversity enabling improved network resilience for the entire region.

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Project 6 | Amador Highlights

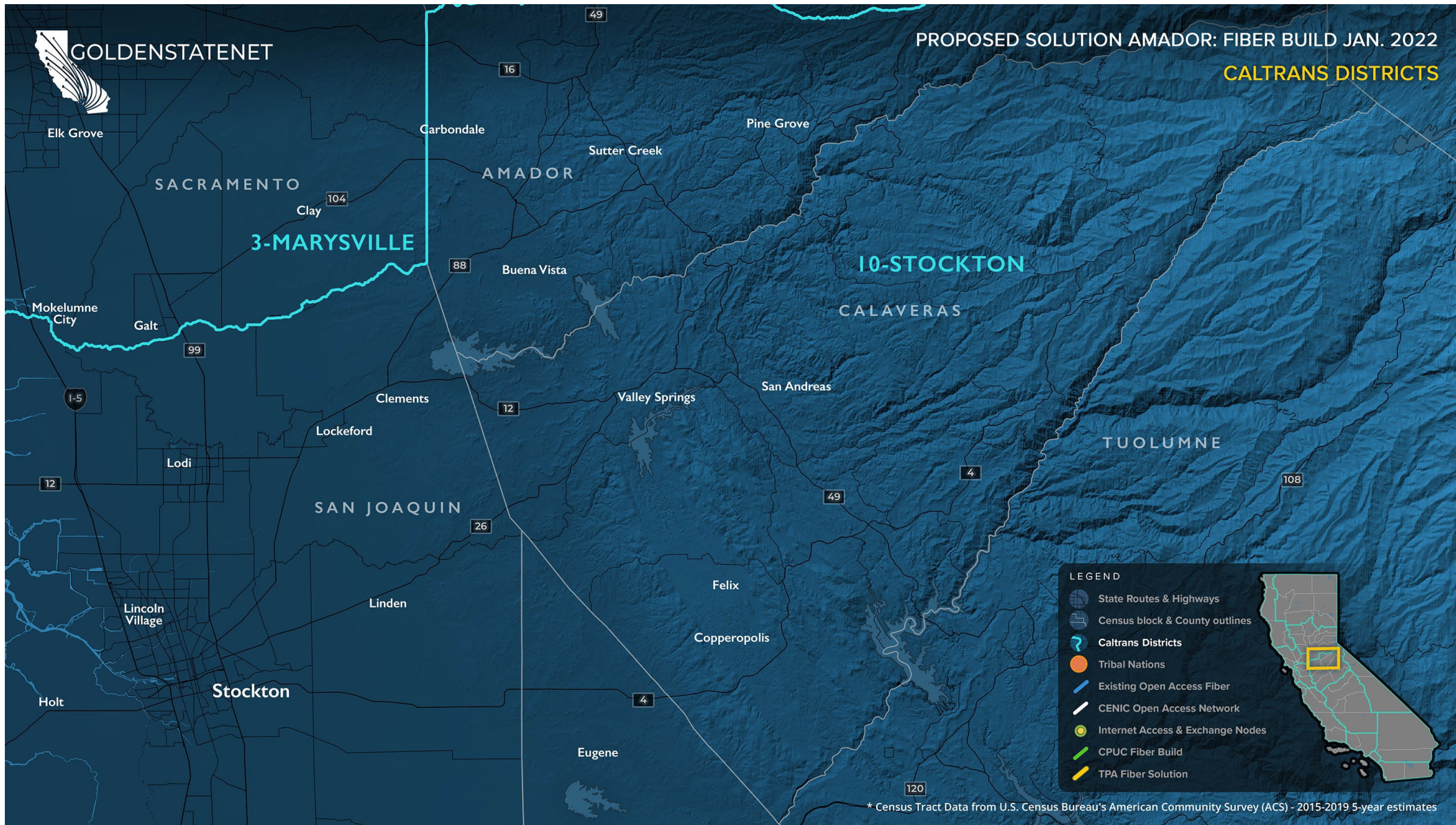
<b>Type of Solution:</b>	New Construction Fiber Build Indefeasible Rights of Use (IRU) dark fiber lease
<b>Highways/Routes:</b>	HWY 88
<b>Start and End Points or Cities connected:</b>	Stockton to Sutter Creek
<b>Approximate Fiber Miles:</b>	138
<b>Quantity of Fibers:</b>	288, 4
<b>Approximate Start Date:</b>	2022
<b>Tribal Nations Currently on the Project Path:</b>	Ione Band of Miwok Indians, Jackson Rancheria
<b>Regional Transportation Planning Agency (RTPA) &amp; Metropolitan Planning Organizations (MPO):</b>	Amador County Transportation Commission, San Joaquin Council of Governments



## GoldenStateNet Maps

The appended maps share detailed visualizations of the GoldenStateNet (TPA) recommended middle-mile network solutions. The maps illustrate the complex geographical, topological, technological, and socioeconomic landscape of California.

In combination with available network assets and regional partnerships, the map data has helped to directly inform GoldenStateNet's well-considered proposals.



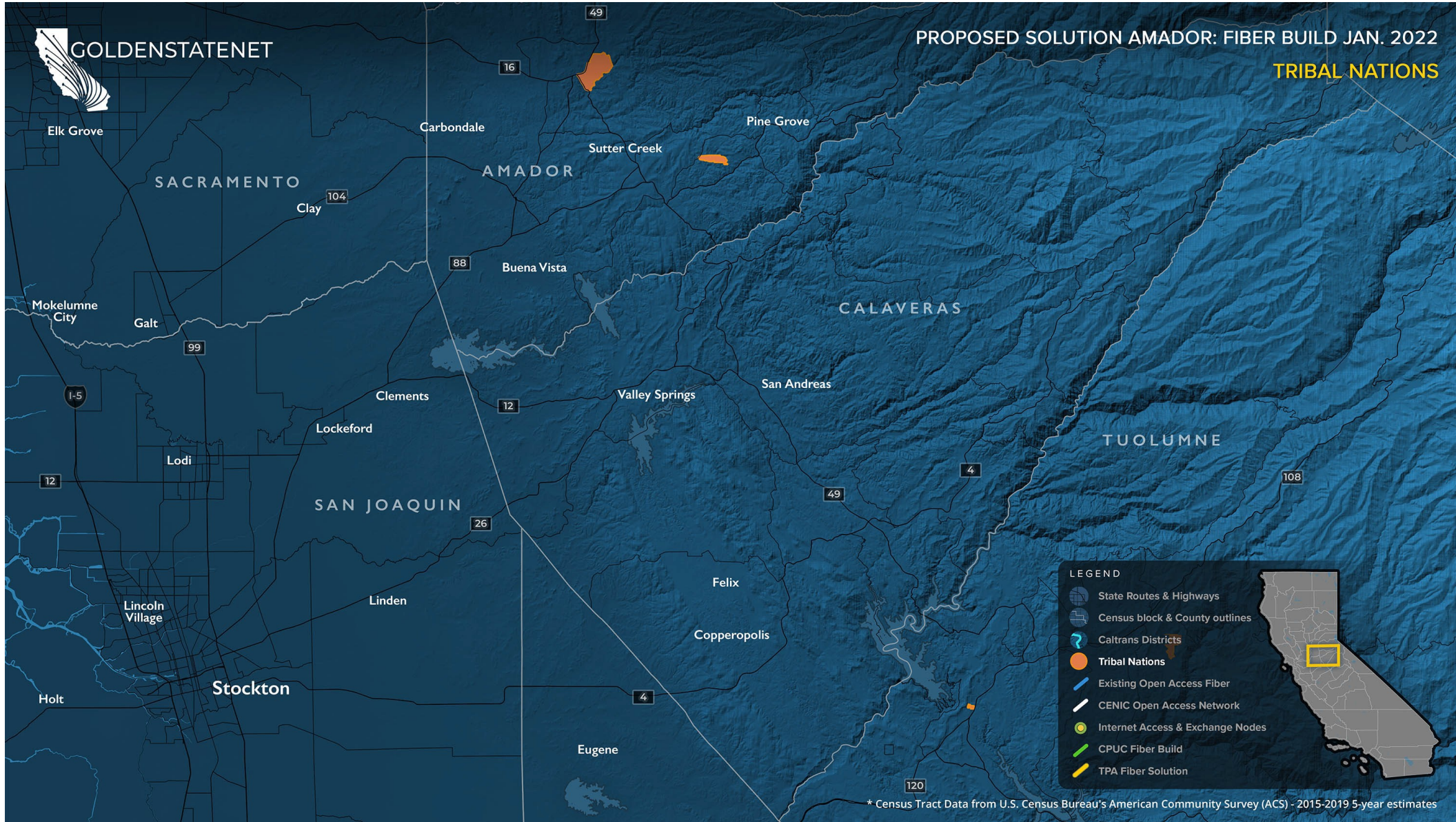




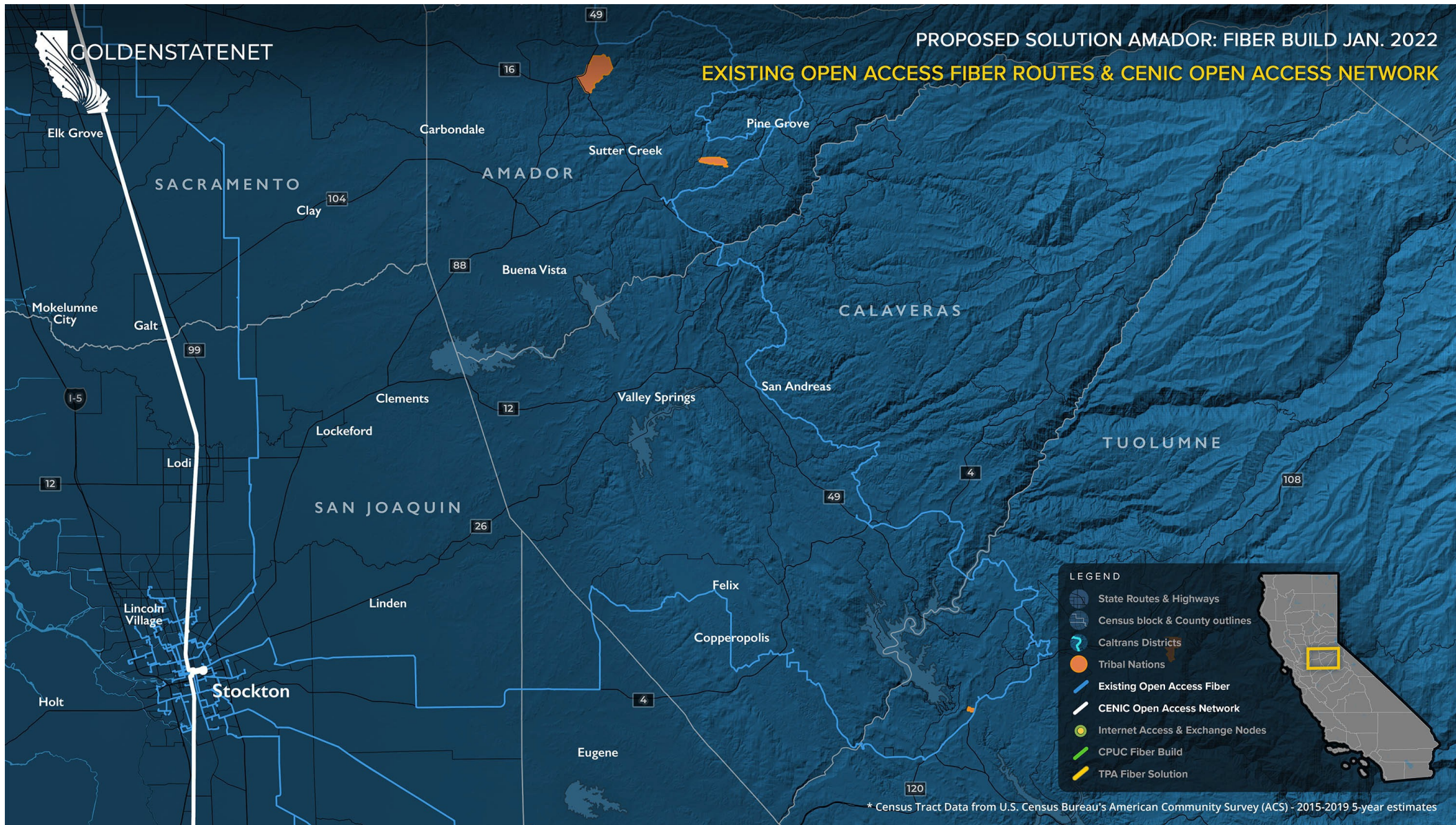
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PROPOSED SOLUTION AMADOR: FIBER BUILD JAN. 2022

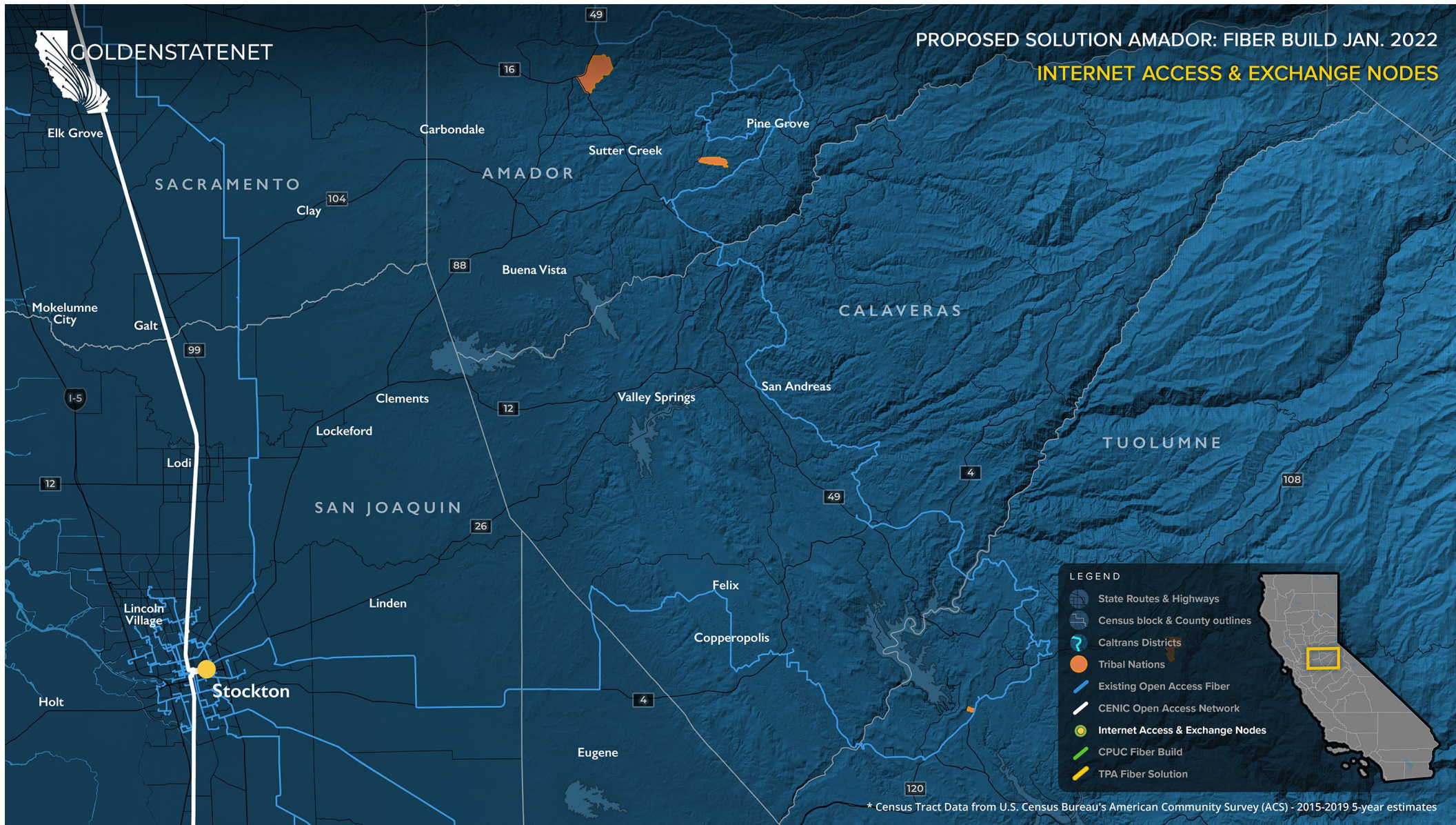
TRIBAL NATIONS



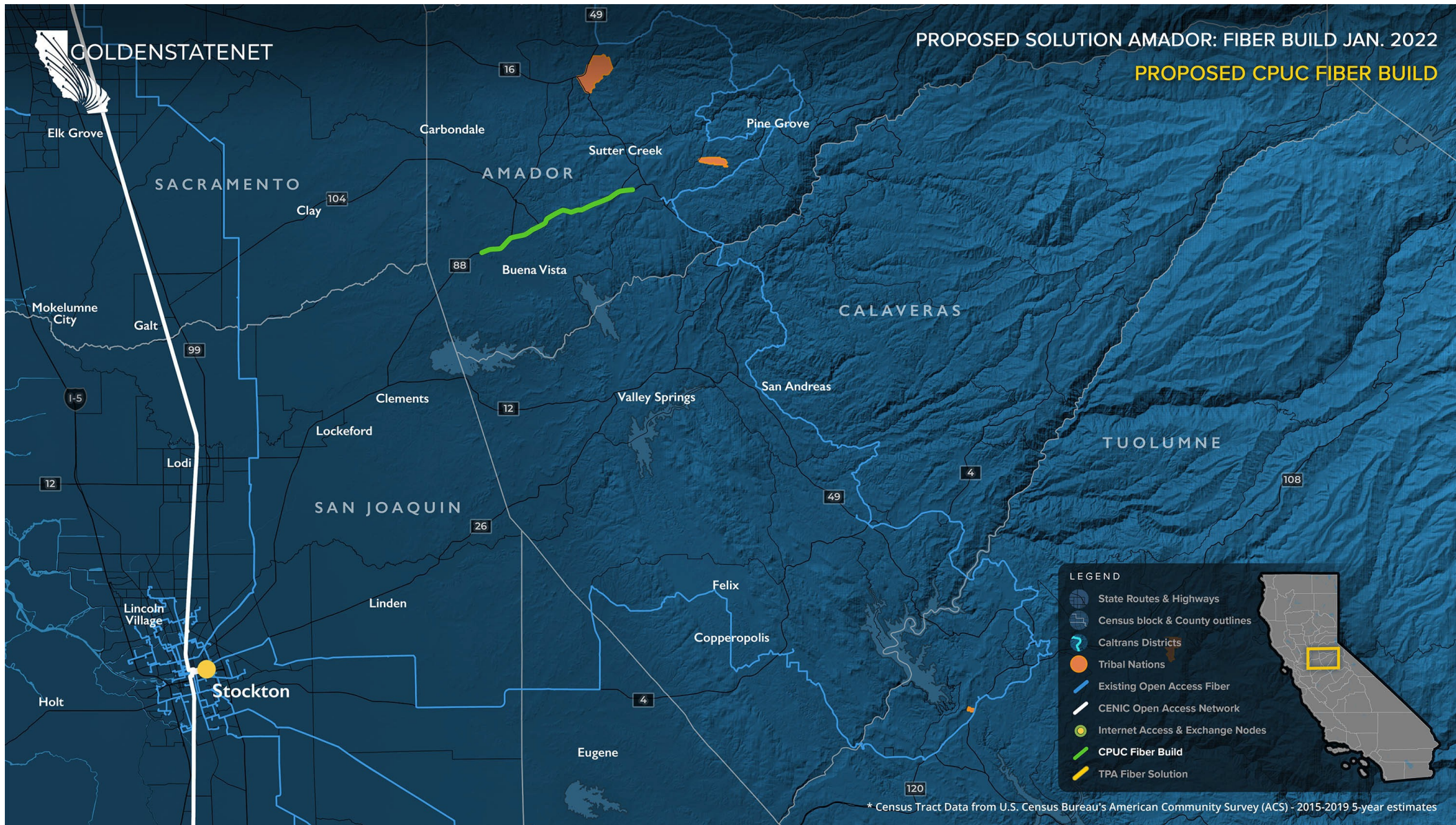




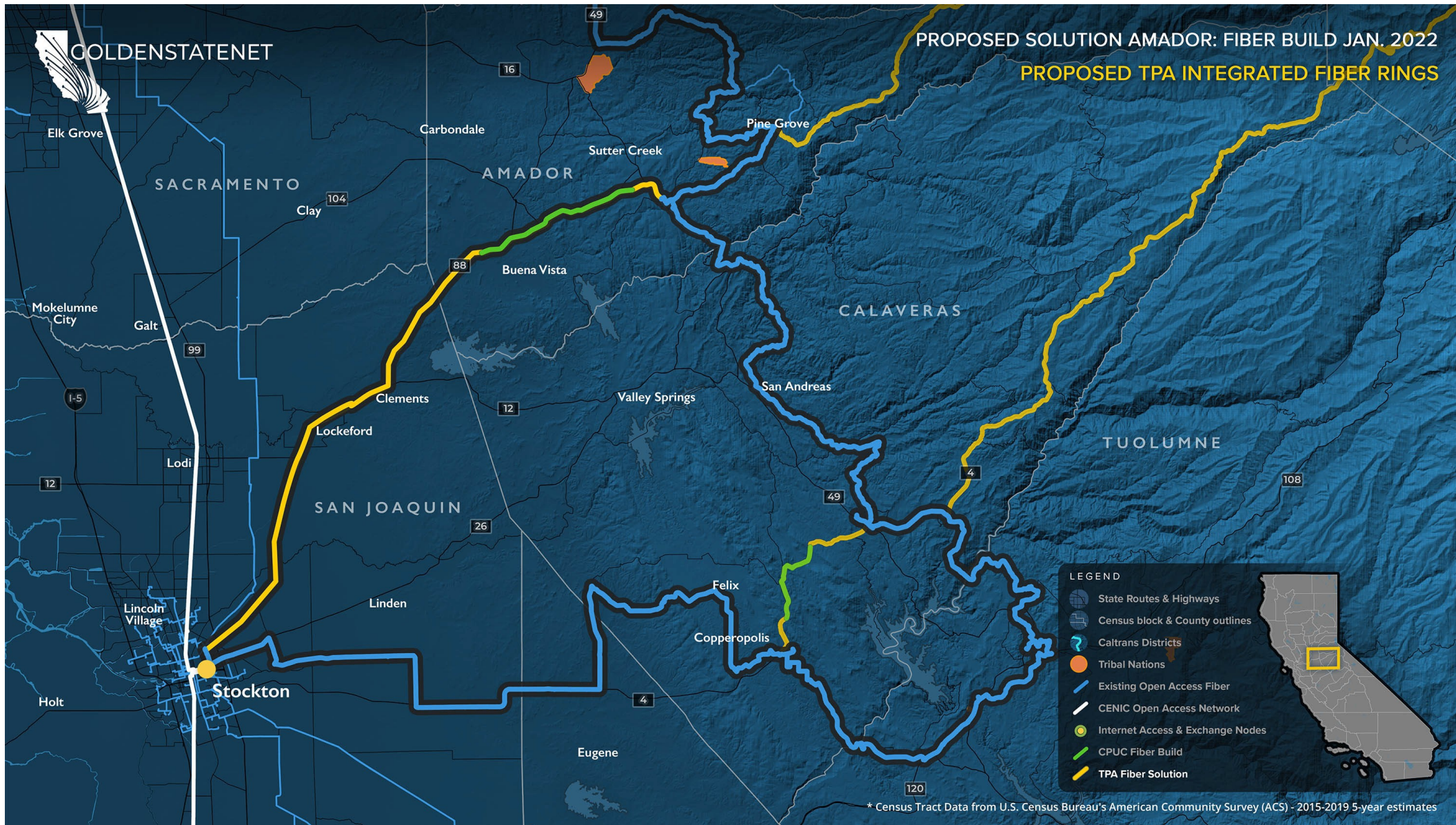




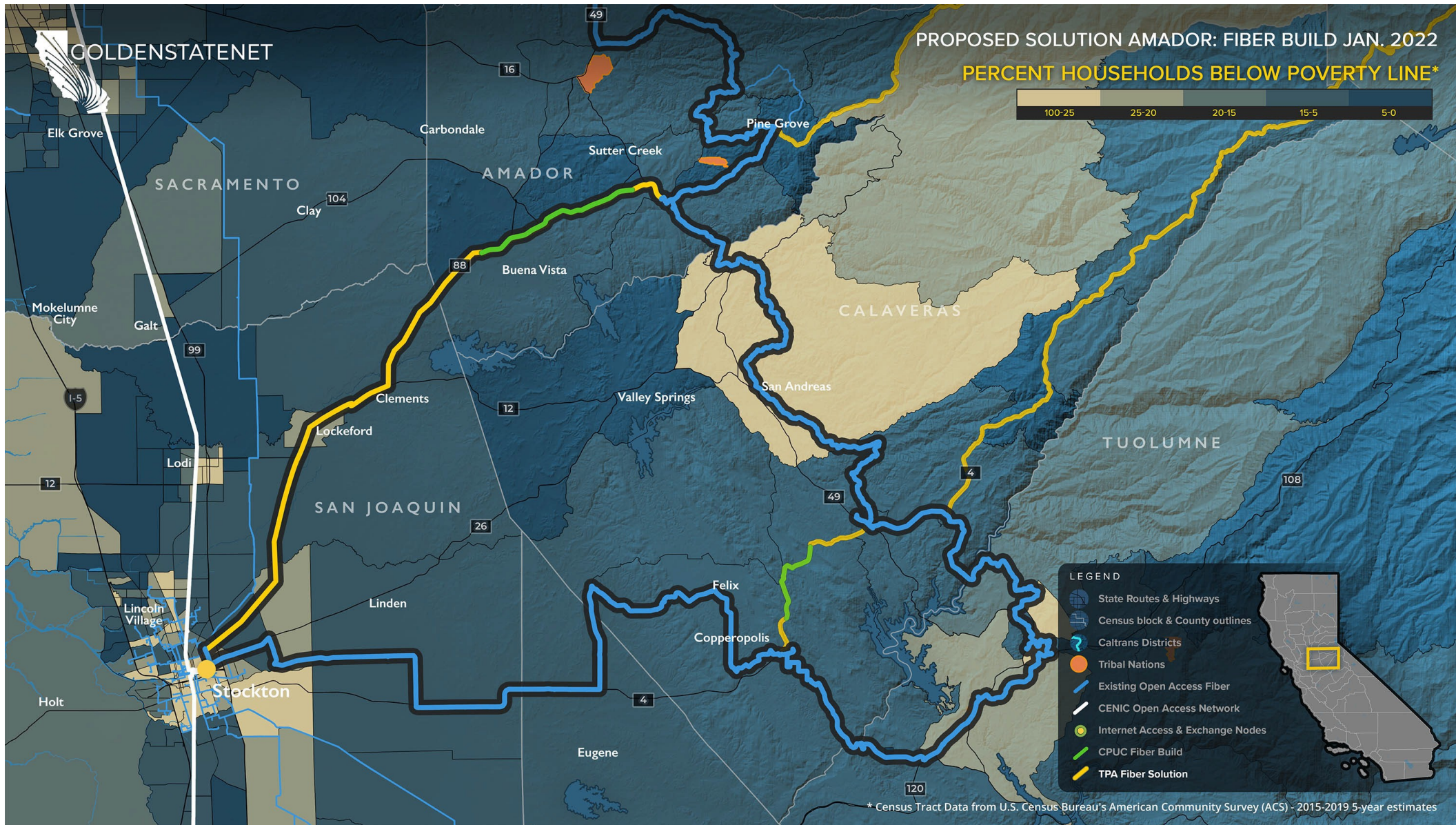




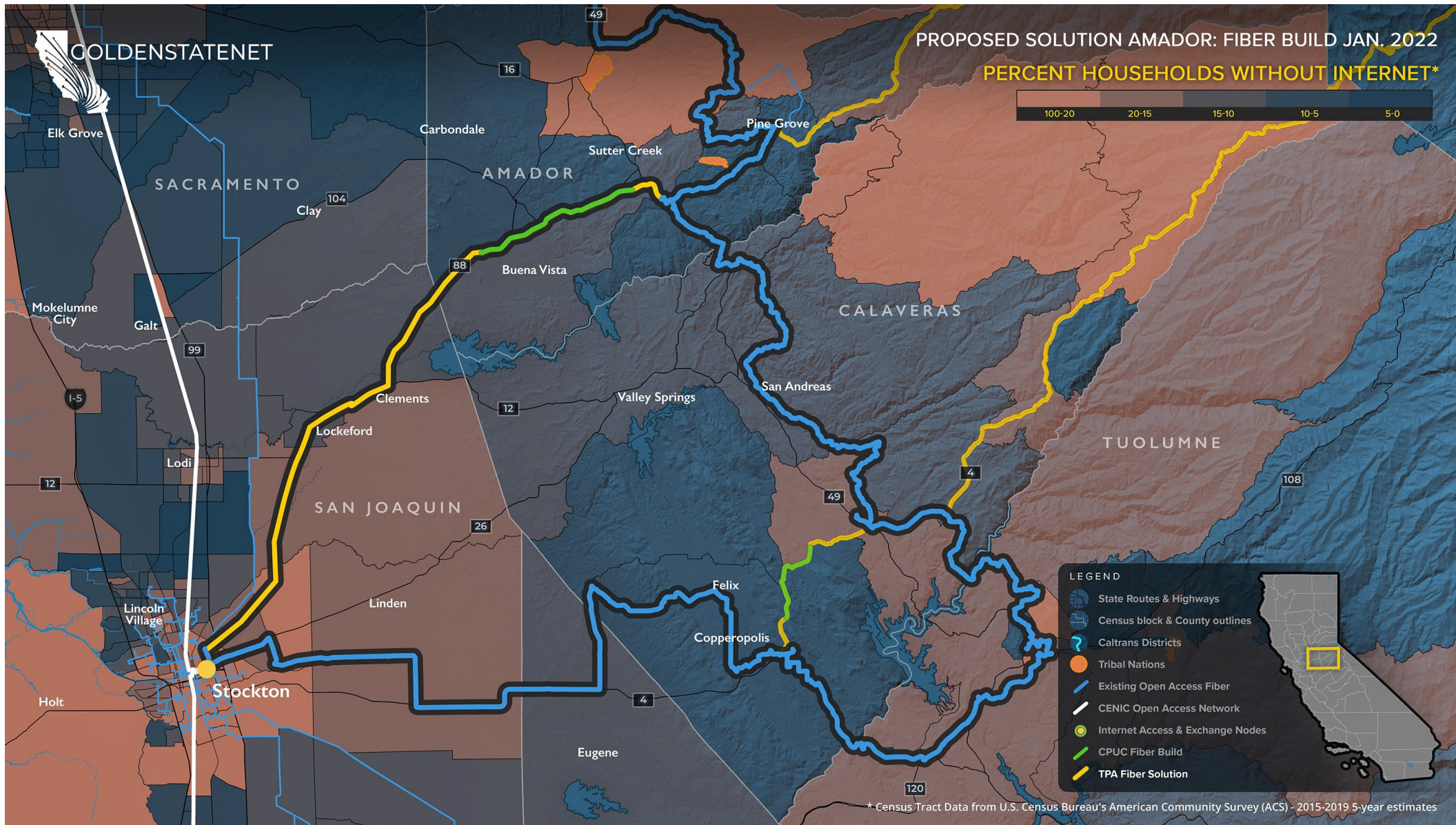




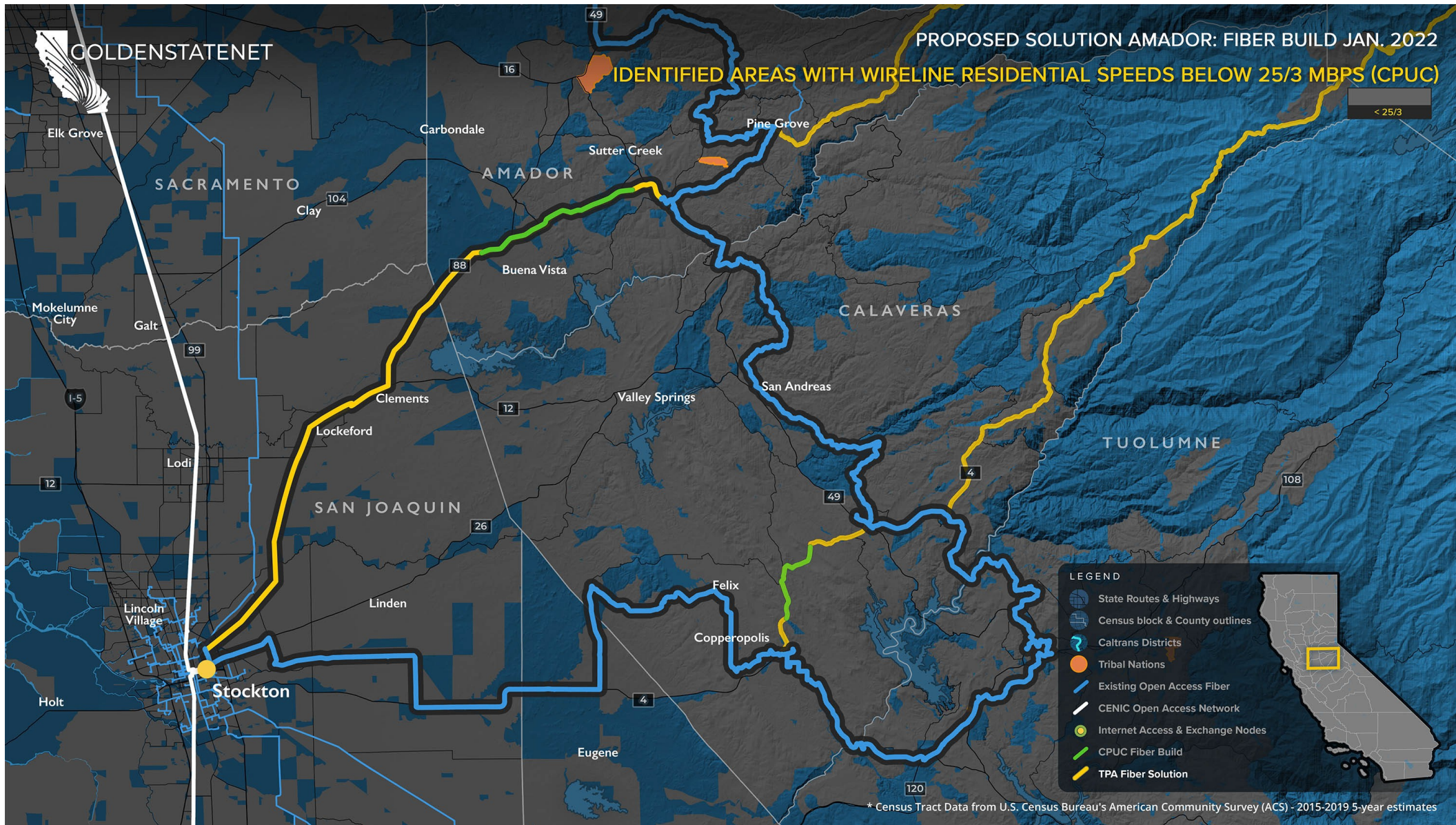




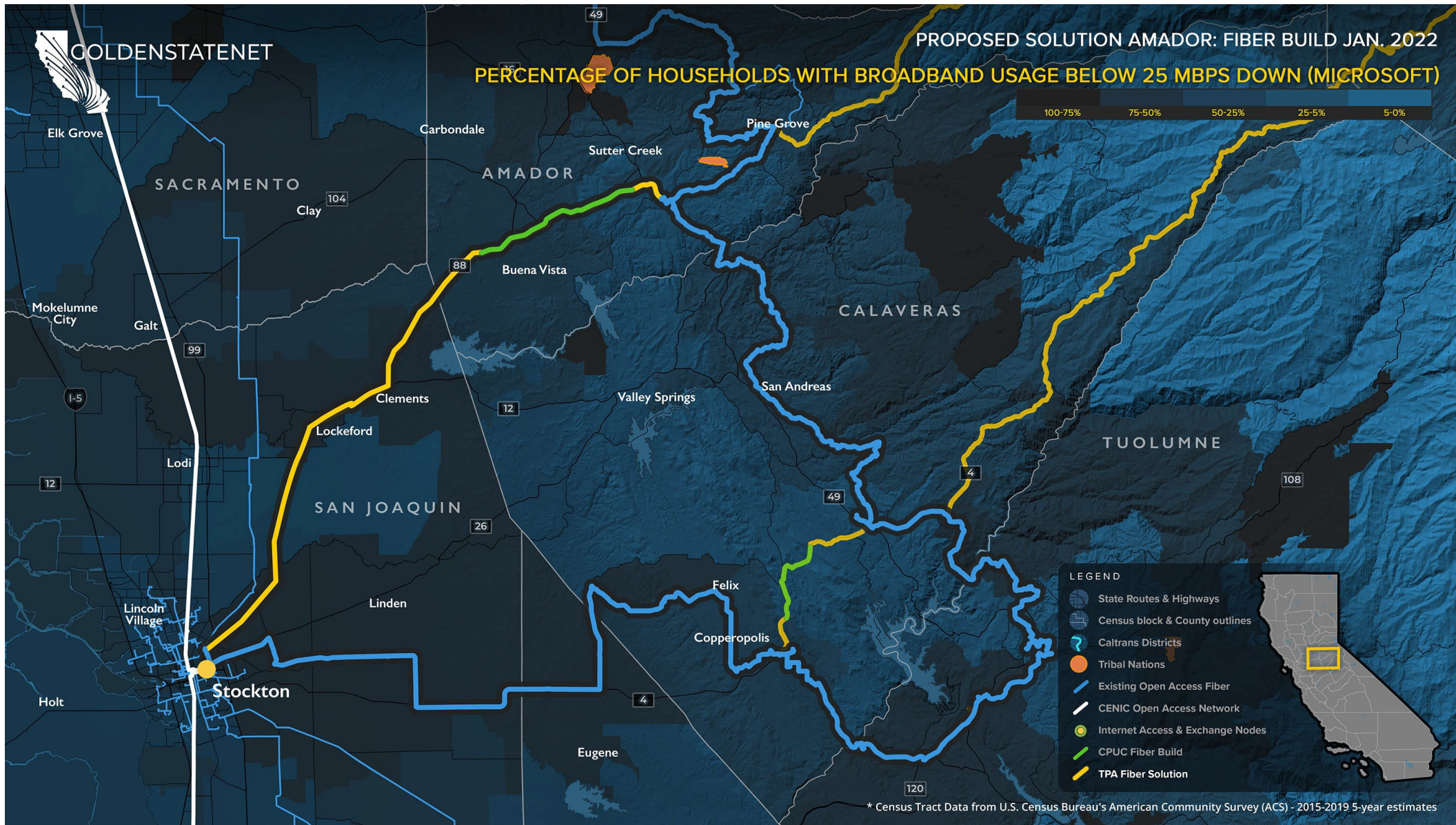












## Data Sources\*

- American Community Survey - Internet Connectivity
- American Community Survey - Poverty Status
- California 2020 Legislative District Boundaries
- California Broadband Availability Maps and GIS Data
  - 20 Layers used from combined database
- California Census Blocks
- California Census Tracts
- California Counties
- California Fire Hazard Severity Zones
- California National Highway System
- California Major Lakes and Reservoirs
- California Parks Land
- California State Highway Network (SHN)
- California Tribal Lands
- CalTrans Jurisdictions
- CENIC Digital Fiber Segments
- CPUC Fixed Served Status
- Existing Open Access Networks - Under NDA
- FCC Fixed Consumer Deployment
- Microsoft Broadband Usage Percentages Dataset
- Ookla Test Data Results by Census Tract
- Technology Use Demographics (e.g. Internet use in home) by Census Tract

*\*All data was published between 2019 - 2021 and represents the most current data available. Not all layers are represented on the maps above. However, the data was utilized as a part of the development process.*





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