

Program Agenda

- Targeted jurisdictions with broad community & political support
- Unique Public/Private partnership
- Exceptional, proven technology approach
- Rapid deployment strategy
- Green implementation approach
- Leveraging public dollars with private funds

Siskiyou County

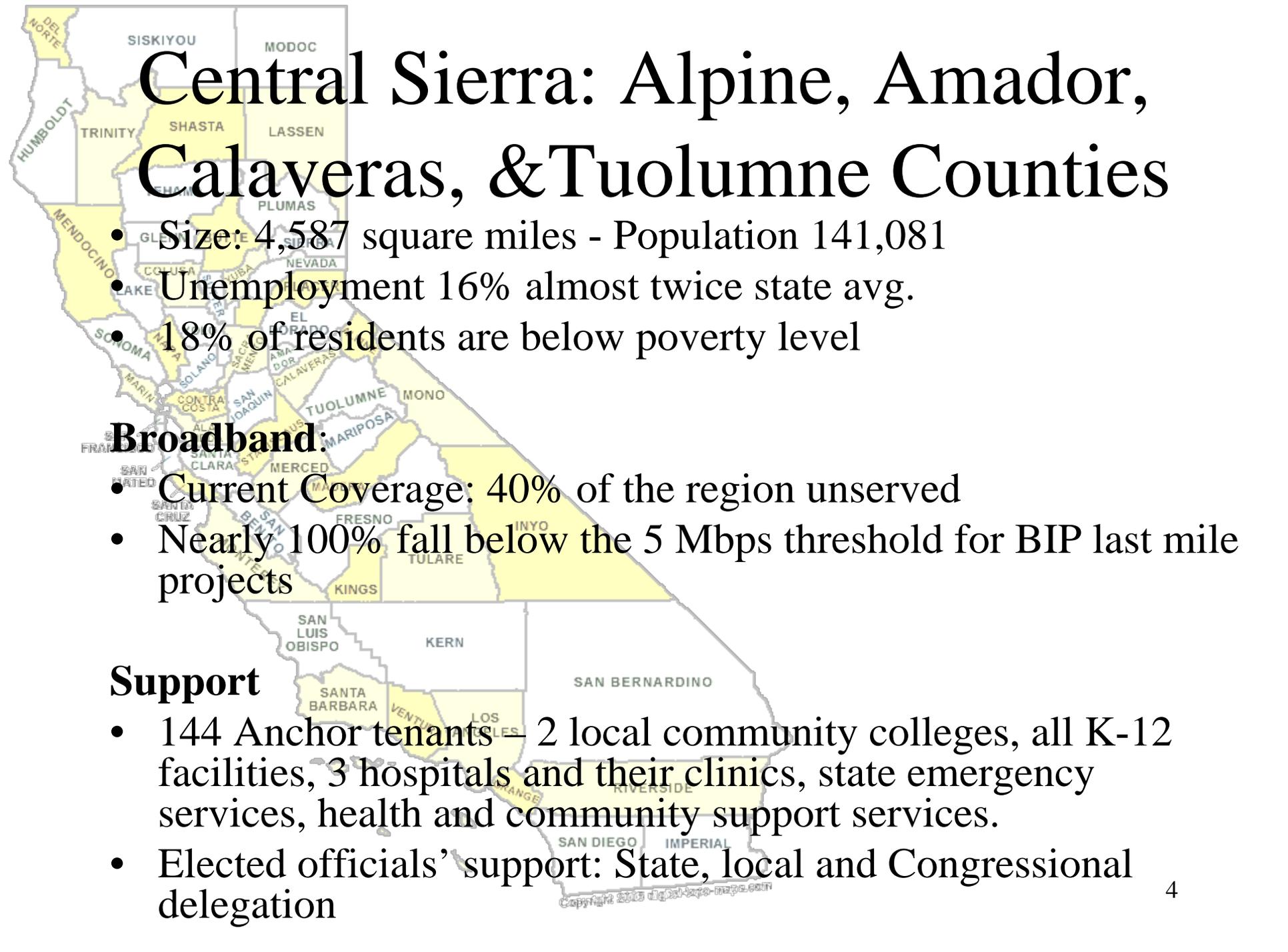
- **Size:** 5th largest geographically; Population 44,300
- **Unemployment** 18.6% (6th highest in CA) twice state avg.
- **18%** of residents are below poverty level

Broadband:

- **Current Coverage:** 76% of the county unserved/underserved

Support

- **Anchor tenants** - local community college, and 150 institutions local, state and federal emergency, health and support services.
- **Elected officials' support:** State, local and Congressional delegation

A map of California with its counties labeled. The counties in the Central Sierra region—Alpine, Amador, Calaveras, and Tuolumne—are highlighted in yellow. Other counties shown include Del Norte, Siskiyou, Modoc, Humboldt, Trinity, Shasta, Lassen, Plumas, Glenn, Butte, Nevada, Colusa, Yuba, Sutter, El Dorado, Yolo, Solano, Sacramento, San Joaquin, Contra Costa, Alameda, San Francisco, Marin, San Mateo, Santa Clara, Merced, Fresno, Inyo, Kings, Tulare, San Luis Obispo, Kern, San Bernardino, Santa Barbara, Ventura, Los Angeles, Orange, Riverside, San Diego, and Imperial.

Central Sierra: Alpine, Amador, Calaveras, & Tuolumne Counties

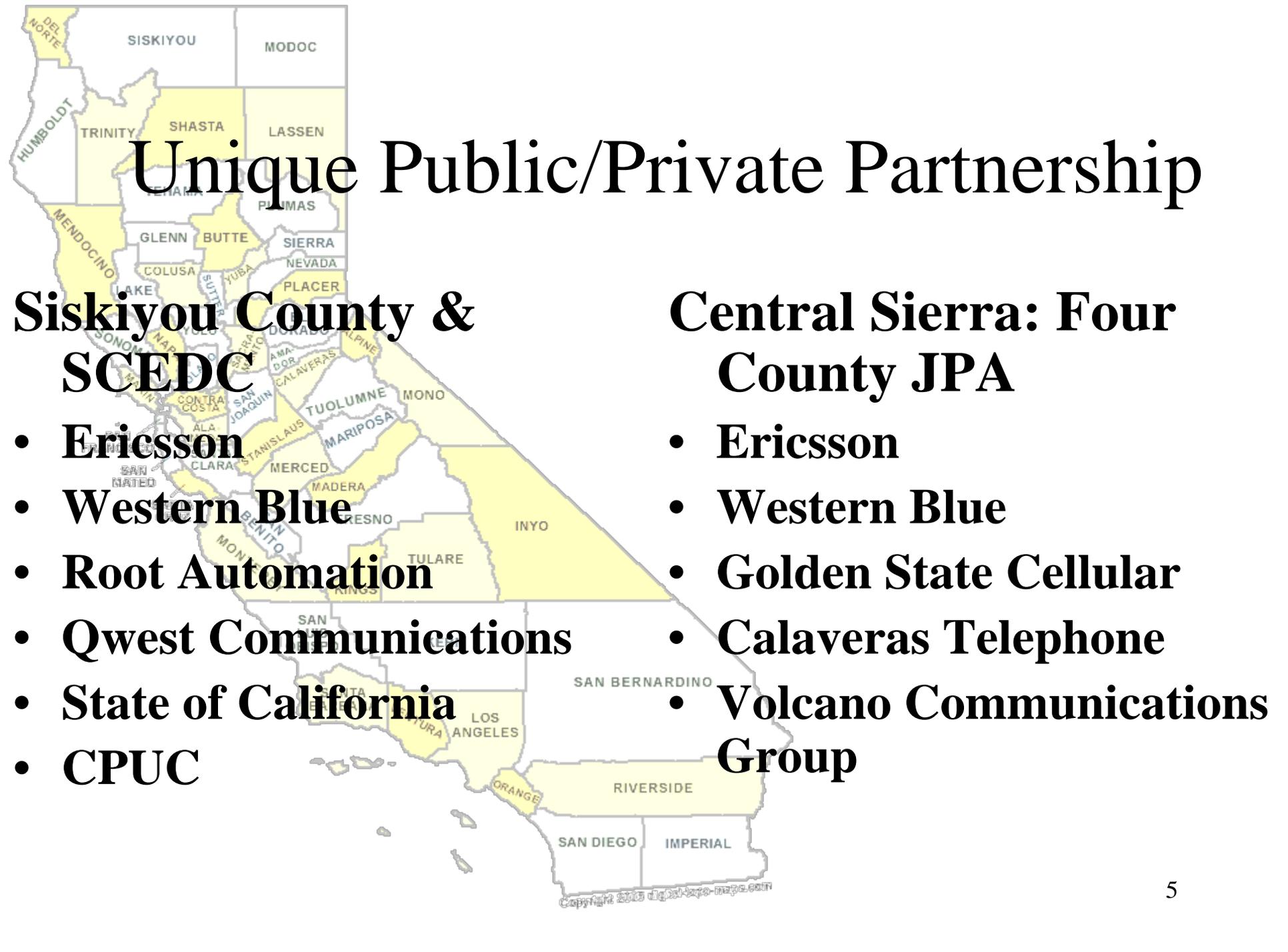
- Size: 4,587 square miles - Population 141,081
- Unemployment 16% almost twice state avg.
- 18% of residents are below poverty level

Broadband:

- Current Coverage: 40% of the region unserved
- Nearly 100% fall below the 5 Mbps threshold for BIP last mile projects

Support

- 144 Anchor tenants – 2 local community colleges, all K-12 facilities, 3 hospitals and their clinics, state emergency services, health and community support services.
- Elected officials' support: State, local and Congressional delegation

A map of California showing its counties. The counties of Siskiyou and Central Sierra are highlighted in yellow. Siskiyou County is in the north-central part of the state, and Central Sierra counties (Sierra, Nevada, Placer, Butte, Glenn, Colusa, Yuba, Sutter, Yolo, Sacramento, El Dorado, and Alpine) are in the central-eastern part of the state. Other counties shown include Del Norte, Humboldt, Trinity, Shasta, Lassen, Modoc, Tehama, Plumas, Mendocino, Glenn, Butte, Sierra, Nevada, Placer, Colusa, Yuba, Sutter, Yolo, Sacramento, El Dorado, Alpine, Contra Costa, San Joaquin, Tuolumne, Mono, Stanislaus, Merced, Madera, Fresno, Inyo, Tulare, Kern, San Bernardino, San Diego, Imperial, Orange, Riverside, Los Angeles, Santa Barbara, Ventura, and San Luis Obispo.

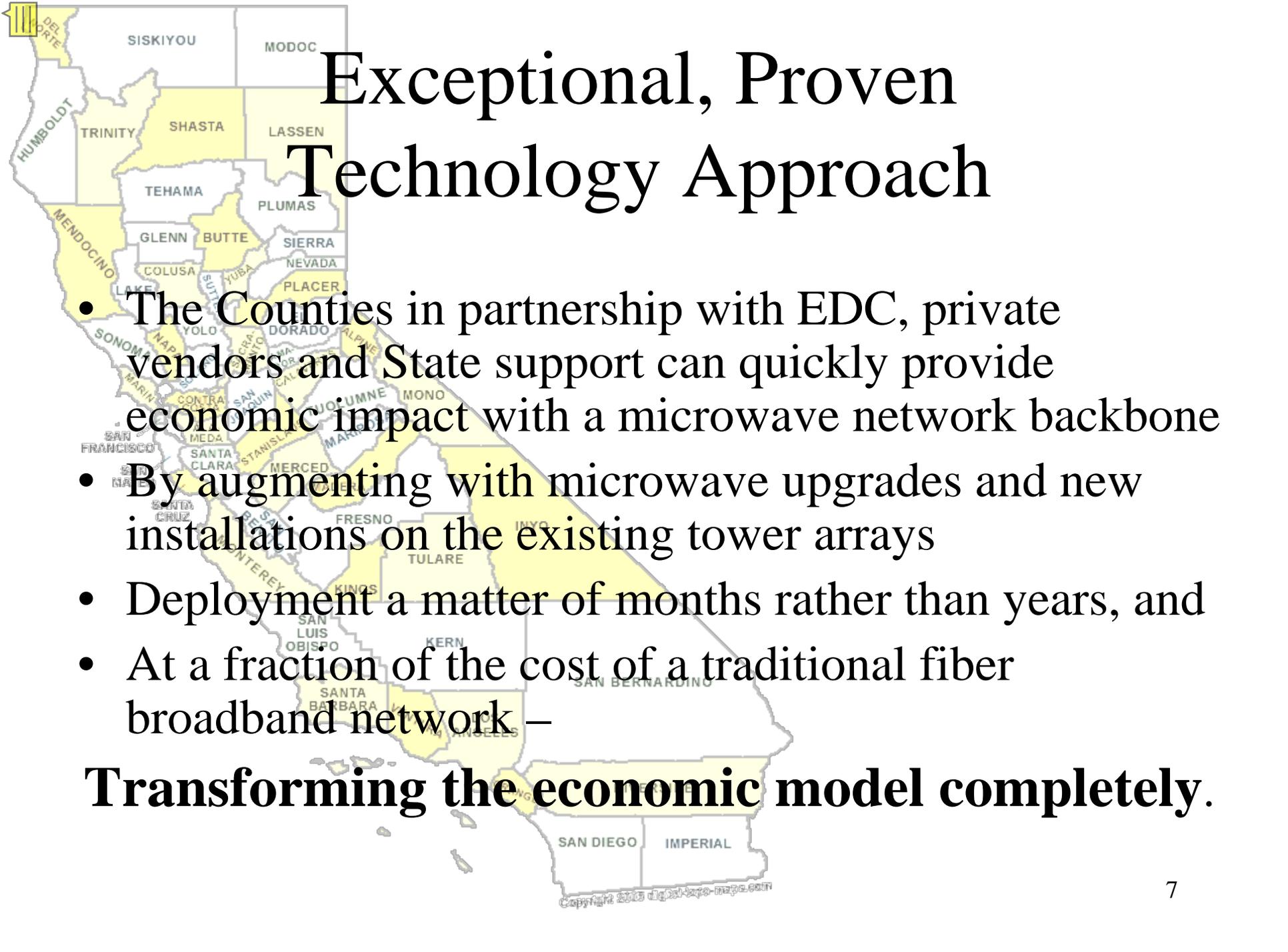
Unique Public/Private Partnership

Siskiyou County & SCEDC

- **Ericsson**
- **Western Blue**
- **Root Automation**
- **Qwest Communications**
- **State of California**
- **CPUC**

Central Sierra: Four County JPA

- **Ericsson**
- **Western Blue**
- **Golden State Cellular**
- **Calaveras Telephone**
- **Volcano Communications Group**

A map of California showing its counties. A large region in the north-central part of the state is highlighted in yellow. This region includes counties such as Shasta, Lassen, Tehama, Plumas, Glenn, Butte, Colusa, Yuba, Sierra, Nevada, Placer, Yolo, Sutter, Butte, Yuba, and parts of Siskiyou, Modoc, Humboldt, Trinity, and Mendocino. The text 'Exceptional, Proven Technology Approach' is overlaid on the top half of the map.

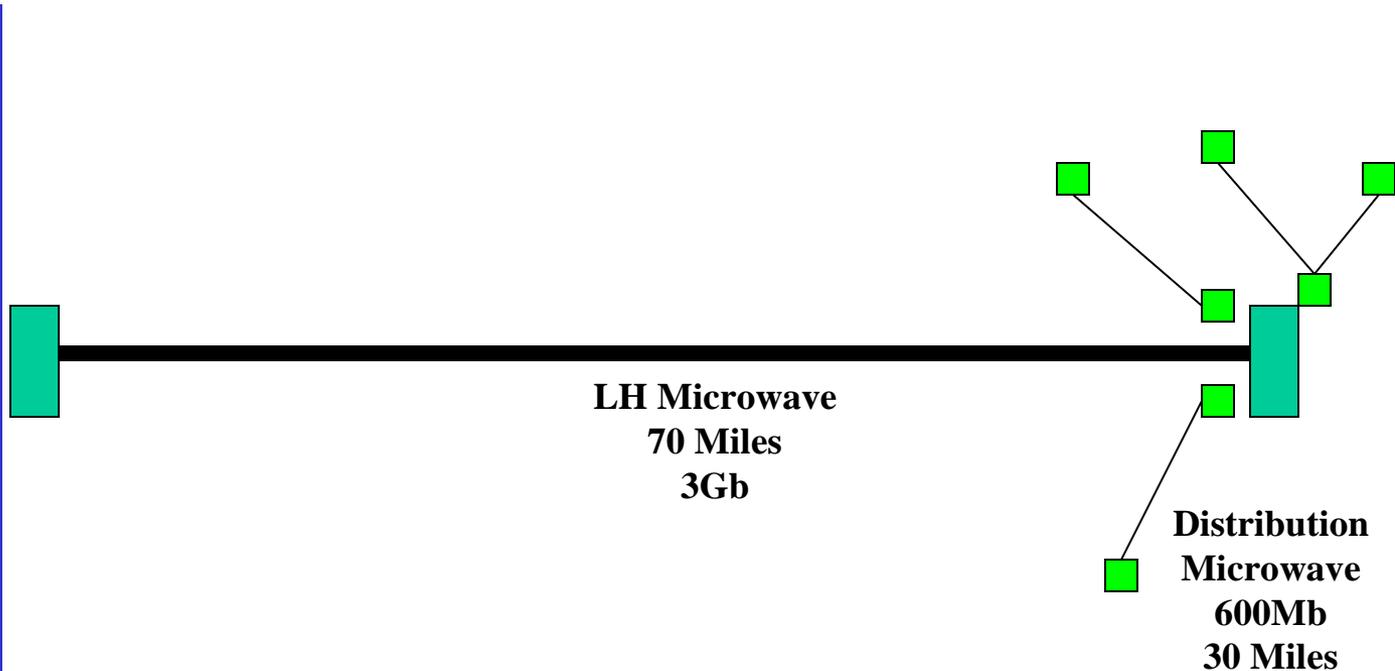
Exceptional, Proven Technology Approach

- The Counties in partnership with EDC, private vendors and State support can quickly provide economic impact with a microwave network backbone
- By augmenting with microwave upgrades and new installations on the existing tower arrays
- Deployment a matter of months rather than years, and
- At a fraction of the cost of a traditional fiber broadband network –

Transforming the economic model completely.

How it is Done

Fiber

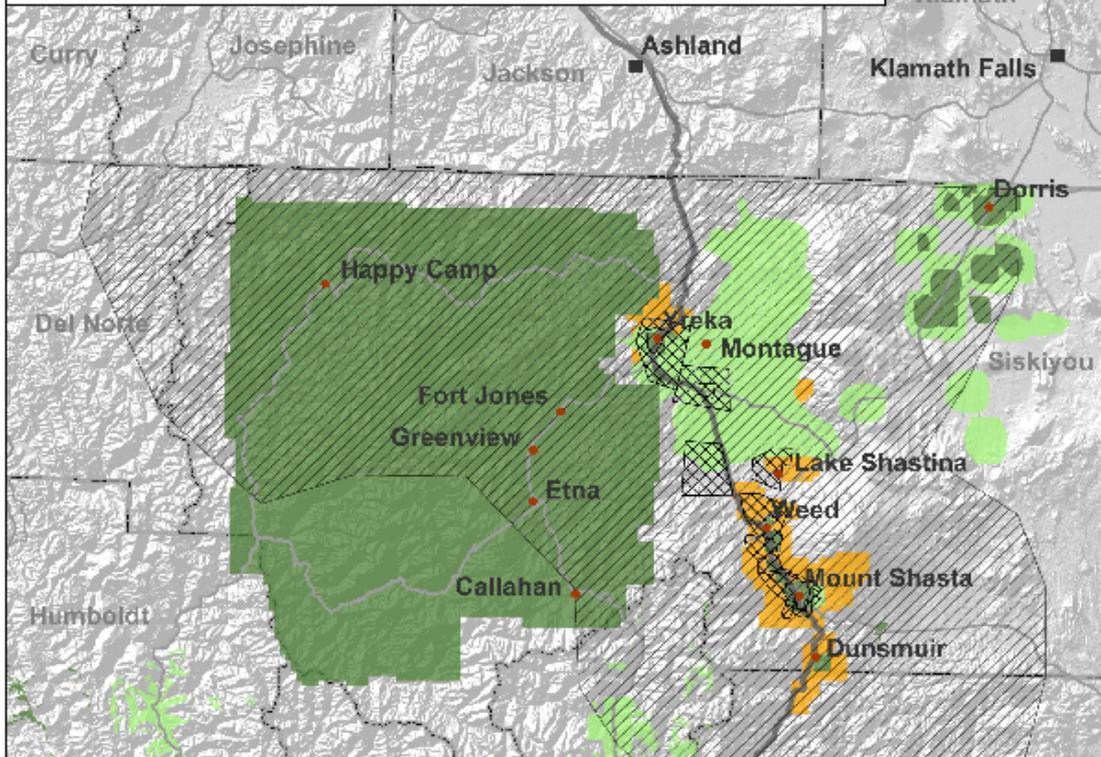


- In Place - towers and expertise
- Ericsson - proven microwave systems
- Qwest; Volcano & Calaveras Tel – access to *existing Fiber*
- Western Blue Project Management, Compliance

Siskiyou County Broadband Consortium

Proposed Project Areas and Current Coverage Data

This map shows where middle mile and last mile proposed project areas are as well as where existing coverage is according to two different sources, CPUC and SCBC.



Legend

-  Last Mile Proposed Project Area
-  Middle Mile Proposed Project Area
-  Existing Coverage (According to SCBC)
- Existing Coverage (According to CPUC)
 -  0.5 - 1 Mbps
 -  1 - 5 Mbps
 -  5 - 10 Mbps

Source: Broadband USA, CPUC, ESRI, Westem Blue
Credit: KBA Geography. 1/6/2010



Benefits

- Increase broadband penetration in Counties by 90%.
- Generate job years: Siskiyou - 184 Central Sierra - 214
- Provides for rapid deployment – after 120 days, while other projects are still negotiating fiber right of ways, these middle miles will be approaching final implementation;
- Microwave is the fastest “GREEN” solution;
- Potentially modernizes some of the State’s current Public Safety Communications infrastructure;
- Enhances Mobile Data Terminal coverage in region, and

Finally, consider the choice:

**The present - low-bandwidth over copper,
Fiber in the distant future, or
Microwave Now**

