

Matthew Rantanen

Cree Indian
Iyiniwok/Nehiyawok

Norwegian
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Director of Technology: Southern California Tribal Chairmen's Association [sctca.net]
Tribal Digital Village Network [sctdv.net]

Partnering & Business Development: Arcadian Infracom, [arcadianinfra.com]

Current Affiliations:

- National Congress of American Indians:
Co-Chair Technology and Telecom Subcommittee & Technology Task Force
- California **Tribal Advisory Group** to: Broadband Council & CalOES / CalFRN
- California **Long-Term Task Force** to: Broadband Council
- Arizona State University, American Indian Policy Institute: **Board Member**



Previous Affiliations:

- [2 Term] Native Public Media: **Chairman**, Board of Directors, **Vice-Chair**, **Treasurer**
- [2 Term] FCC: Native Nations Broadband Task Force: **Member** (appointed by: Genachowski / Wheeler)
- 1 Term FCC-CSRIC-IV: Communications, Security, Reliability, & Interoperability Council IV: **Member**

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Crossing the Technology Desert

Solving Rural and Tribal Broadband Access



Tribal Connectivity

Heavily dependent on microwave backhaul

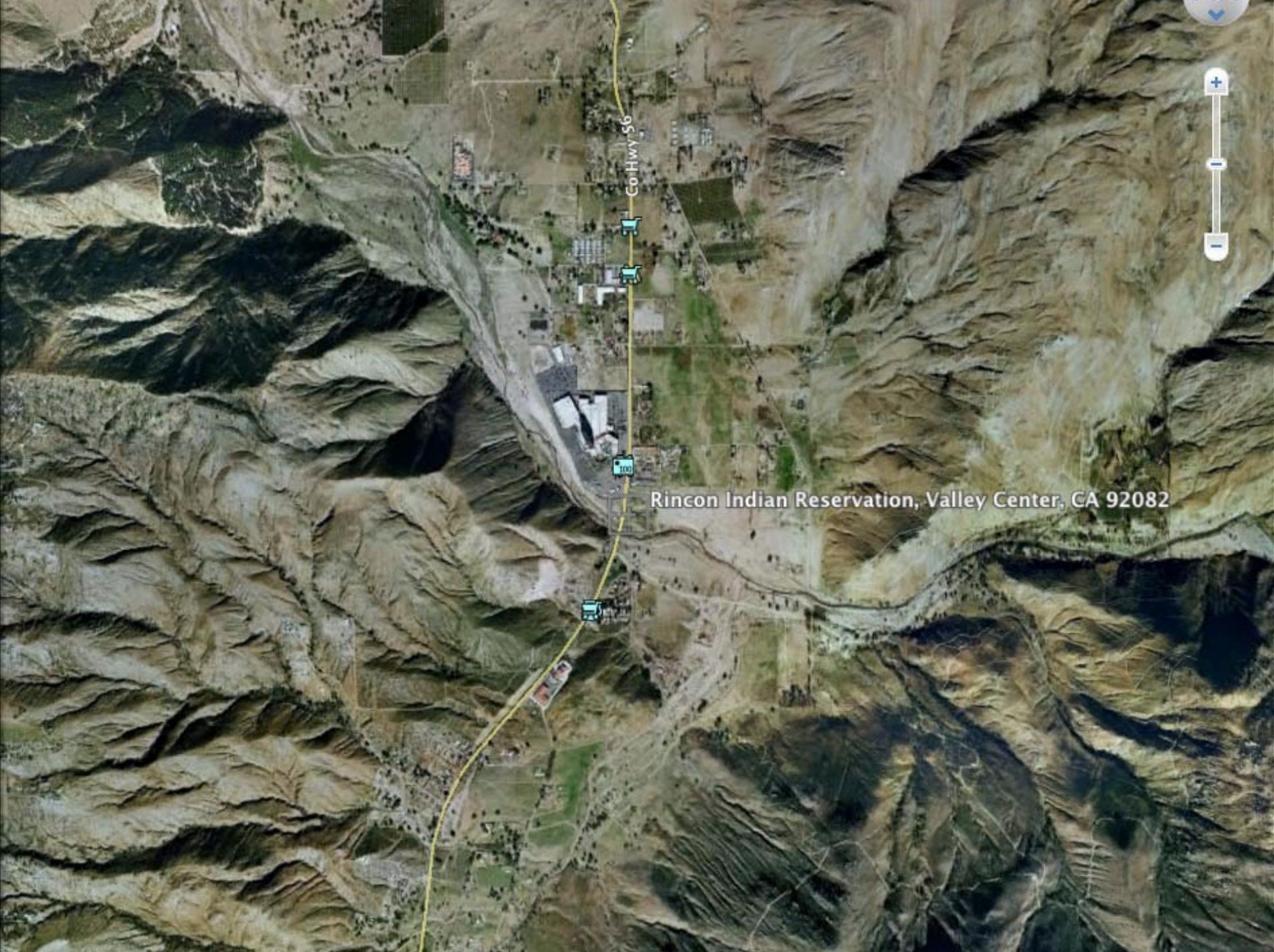
Cookie-cutter network solutions do not apply:
One size does not fit all...



Why microwave is a solution, or sometimes a stop-gap to a permanent fiber solution

- Lack of middle-mile fiber infrastructure to support fiber backbone access (missing 8,000 miles)
- Geographical diversity of 573 Federally recognized US Tribal nations, 634 First Nations in Canada
- Rights-of-way, easement issues from Federal Sovereign to Private to Government land paths.
- Tribal Historical Preservation of sacred sites, burials, artifacts make construction complex/expensive





Co Hwy 56

Rincon Indian Reservation, Valley Center, CA 92082

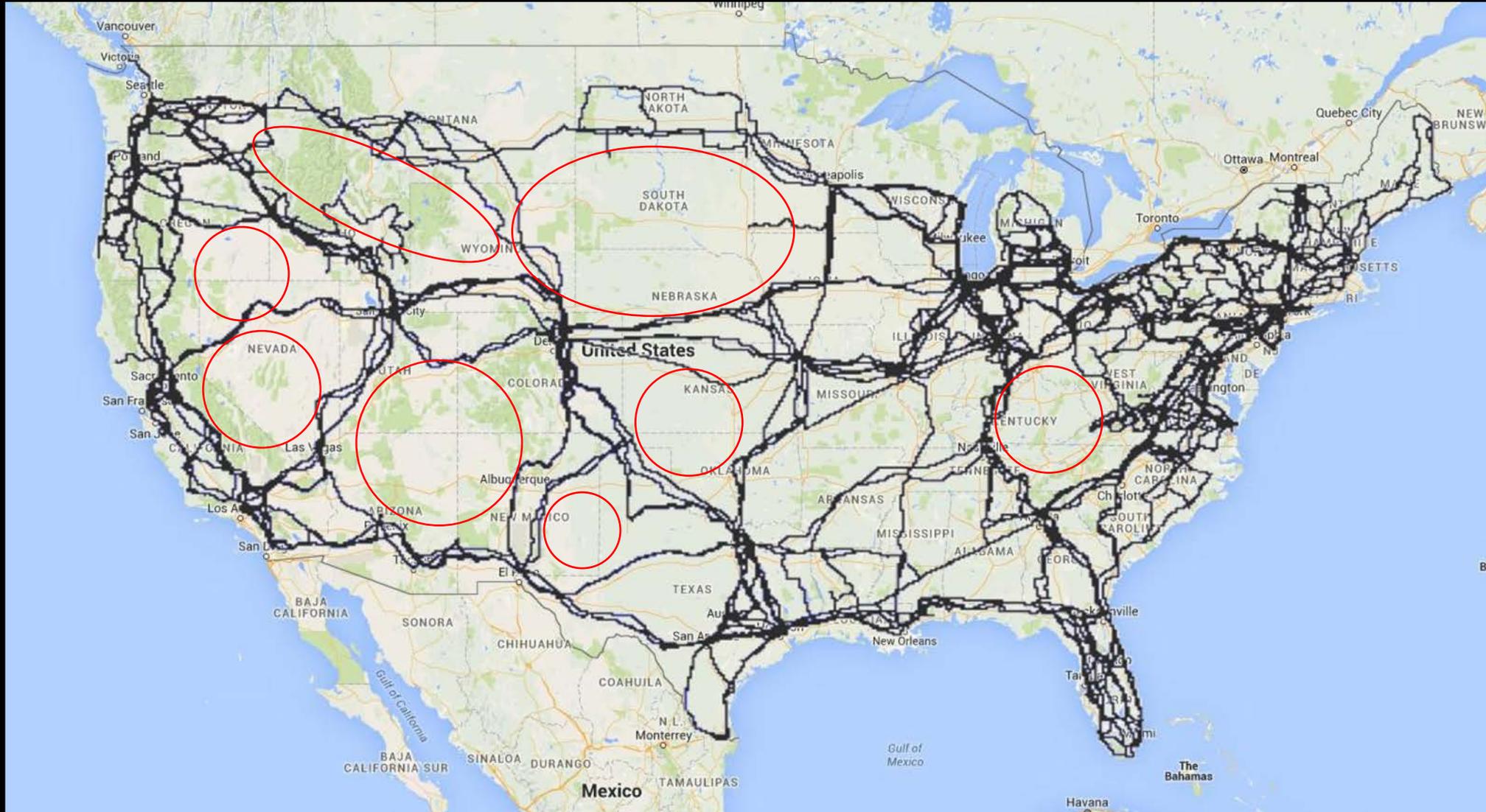






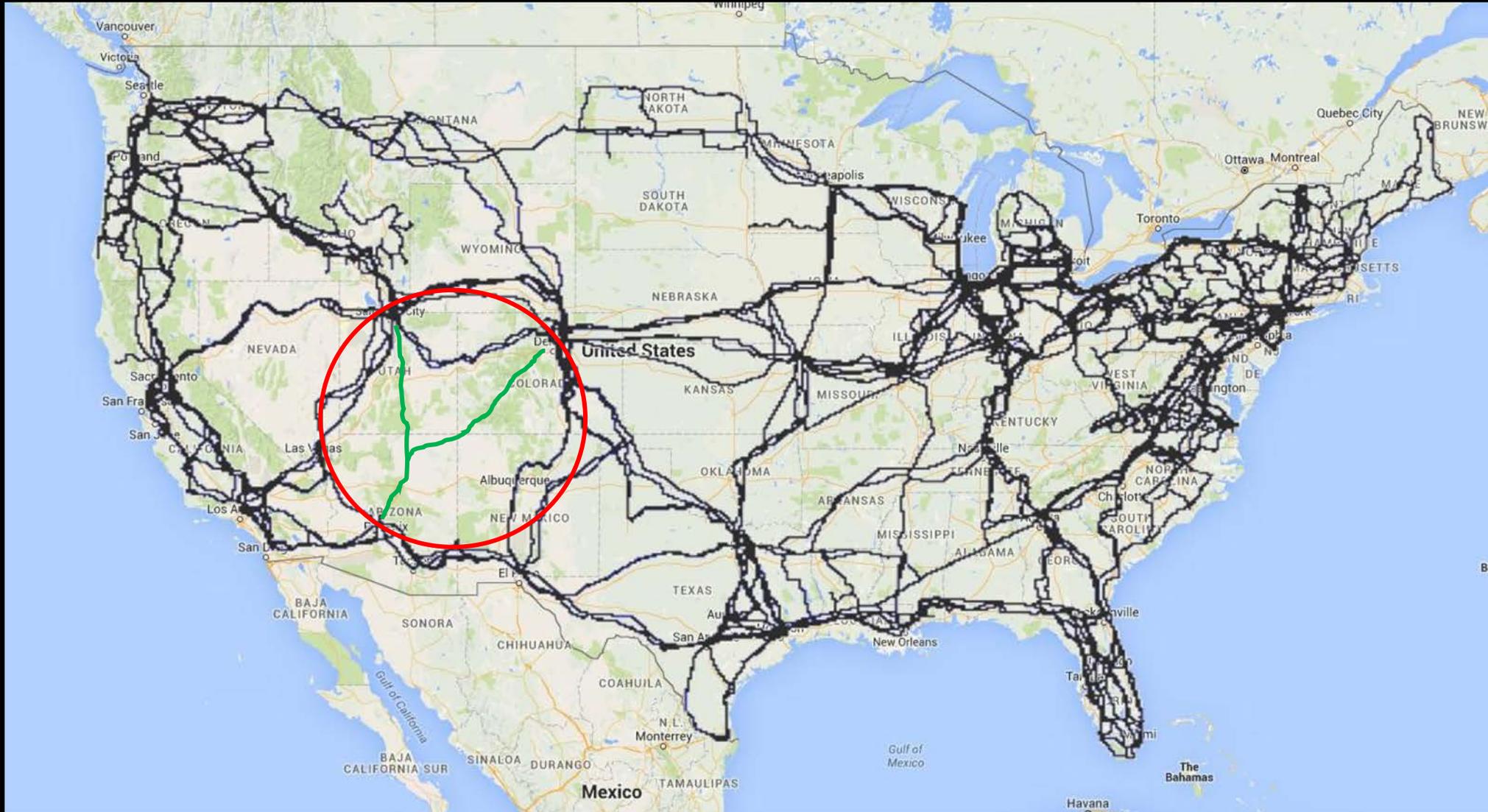


20 Years of Backbone Bypass



US Long-haul Fiber Routes

The FIRST STEP IS THE HARDEST



SLC - PHX, PHX to DEN (working with the Navajo Nation)

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