

Nevada County Sheriff's Office



Radio Infrastructure
Improvement Project

Project Update - Captain Bob
Jakobs

8/06/2024

Project Background

Project Description

Replace 20+ year-old critical communication equipment used by the Sheriff's Office and other local law enforcement agencies as part of the Nevada County Regional Dispatch Center.

Project Goals

- Backhaul upgrades (*Microwave and/or Fiber*)
- Migration to digital tech
- Encrypted Communication
- Increased interoperability with public safety partners



Project Funding

- Estimated project cost was \$6.3M
- Funding request submitted as a federal earmark in 2021/22
- Notified of DOJ COPS TECH grant award Sept. 2022
- Total award amount: \$4.8 million
- No match requirement – Sheriff to cover funding gap

Original Phased Project Plan

- Phase I – Replace end-user radios (\$1.6M)
- Phase II – Replace/Upgrade Tower Equipment (\$4.7M)
 - Utilize existing communication sites
 - NCSO maintained system

Project duration of 2-3 years to fully implement

Phase I

Purchase Program Deploy

2023-2024





Phase II Begins – System Inventory

July & August 2023





Challenges with “The Plan”...

Motorola Introduces CRIS...



California Radio Interoperable System (CRIS)



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

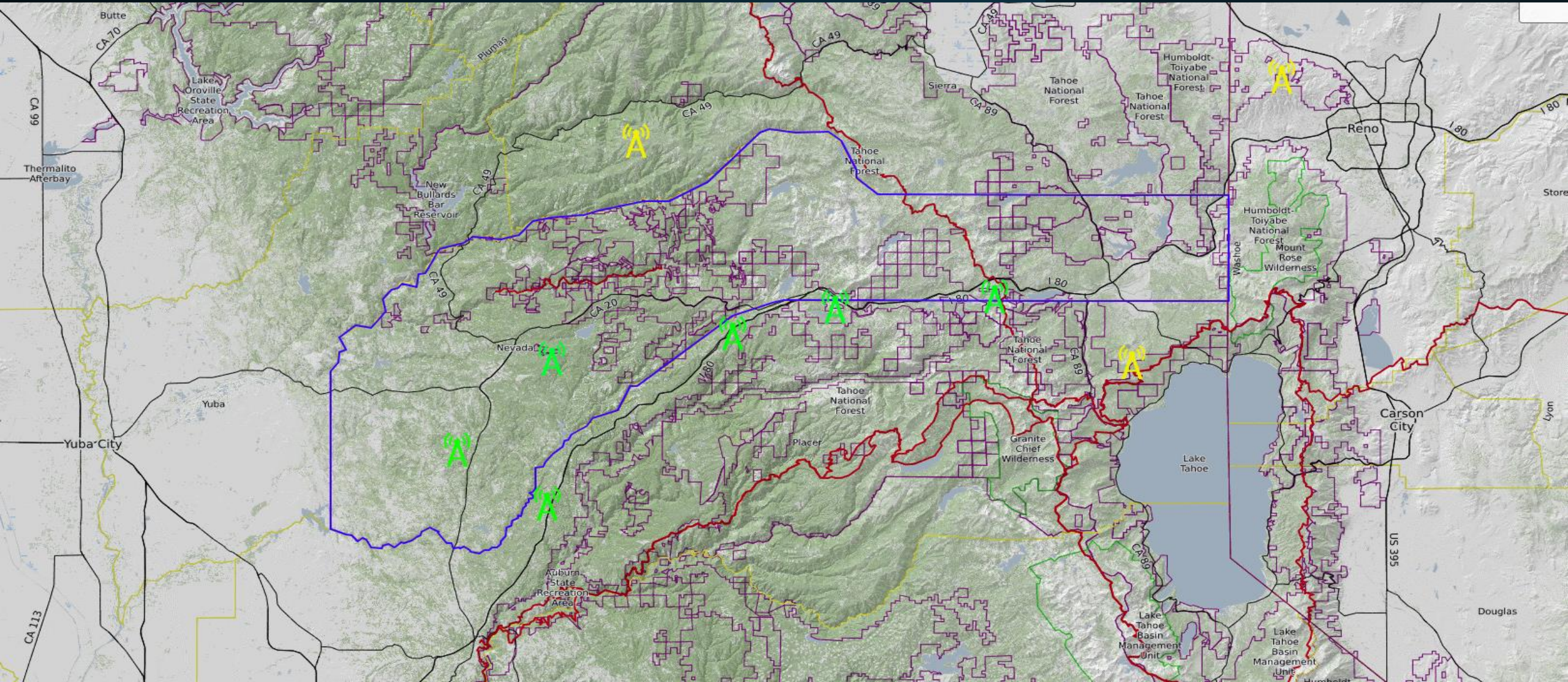
"To design & implement a statewide communications system with emphasis on providing interoperable communications between California's Public Safety Agencies while supporting normal day-to-day public safety operations."

CRIS Vision & Goals

"To ensure all of California's Public Safety Agencies have access to **reliable interoperable communications** capabilities."

- Cover the greatest portion of the population (90%)
- Reach the broadest geographic footprint (60%)
- Maintain the highest **network reliability**, using advanced network technology
- **Eliminate the need for a patchwork of multiple smaller systems**
- Make efficient use of limited radio spectrum

6 CRIS sites in Nevada County & 3 more planned

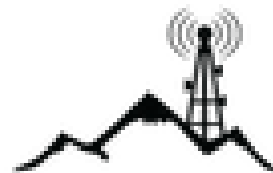


Benefits to Joining CRIS

- Shared project goals
 - Microwave Backhaul / Digital Tech / Encryption / Increased Interoperability
- CRIS already has a footprint in Nevada County
 - 6 sites operational today
 - 3 more sites planned
- Need only purchase Radio Equipment
- Cal OES to fund
 - All Microwave equipment
 - All Installation costs
 - Lifetime System Maintenance
- Investment credit for joining CRIS

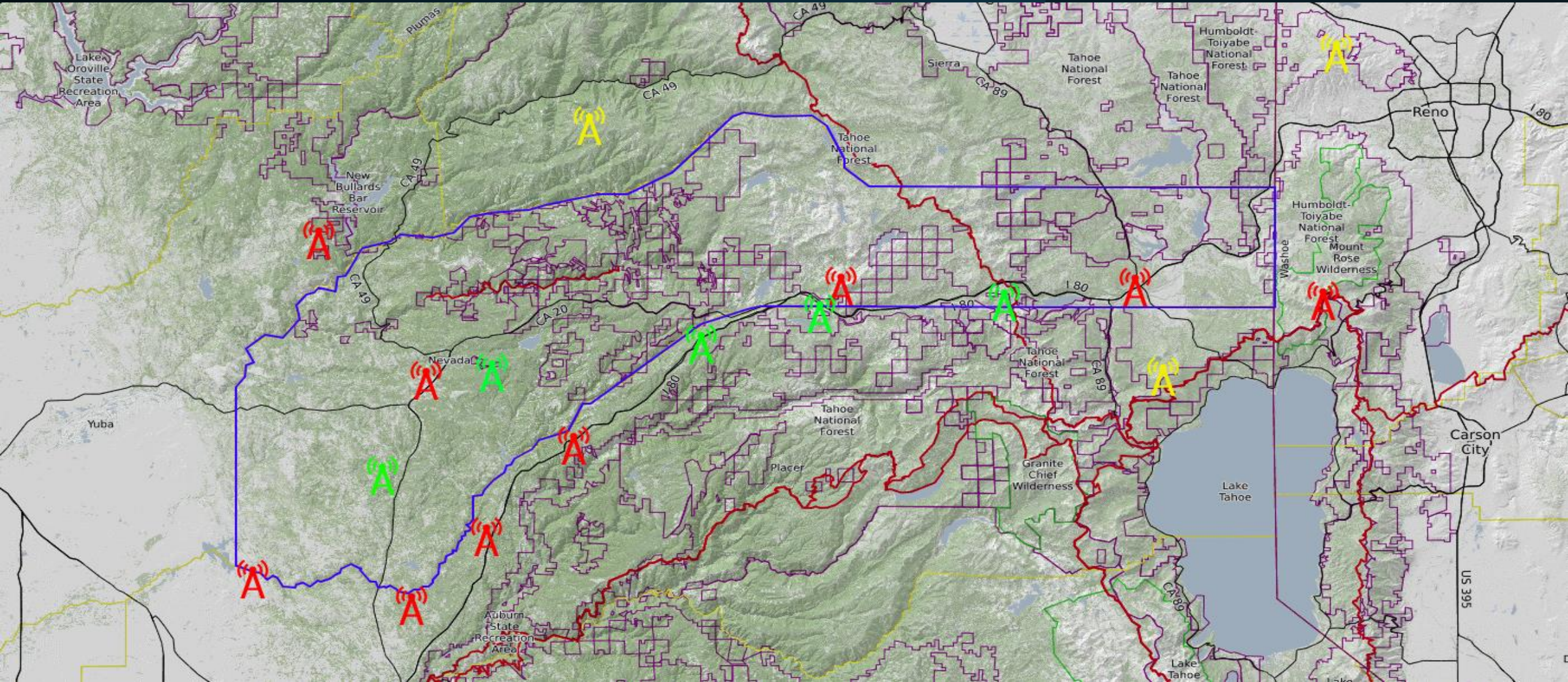


Mono
County
going
CRIS



ELK MOUNTAIN
TECHNOLOGY

9 additional sites proposed



Recent

- ✓ US DOJ approved Phase 2
"CRIS" Actions
- ✓ \$2.7M order placed with Motorola for equipment at (9) sites
- ✓ Finalized CRIS MOU with Cal OES
 - *30+ years of credits



NCSO Next Steps...

Complete Mobile
Radio
Installations in
2024

Construct new
tower/vault sites
24-25'

- Sierra College - NC Campus
- Regional Dispatch

Connect Regional
Dispatch to CRIS
Core in 2025

Go Live!
~ Fall 2025



Law Enforcement Support



Recommendation

Approve Reso 24-1070

Designating authority to Sheriff Moon to enter an MOU with Cal OES to join the CRIS

Approve Reso 24-1247 and 24-1248

Authorizing Motorola Equipment Purchases - Phase II

Questions?

