

Broadband

Broadband | Yolo County
December 5th, 2023

State: SB156 & BEAD

SB 156 (2021)

SB 156: Middle-Mile

SB 156: Federal Funding Account (FFA)

California Advanced Services Fund (CASF)

Broadband Equity, Access and Deployment (BEAD)

\$6 billion dollar investment to:

- Expand broadband infrastructure
- Increase affordability
- Enhance access to broadband for all Californians

\$3.25 billion for middle-mile infrastructure investment

\$2 billion for last-mile infrastructure investment

\$750 million Loan Loss Reserve

\$50 million Local Agency Technical Assistance

Up to \$150 million per year

Assist with broadband infrastructure deployment & adoption in public housing, Tribes & unserved areas

California awarded \$1.86 billion from Infrastructure, Investment and Jobs Act Applications to open in 2024

Federal Funding Account (FFA)

Funding Allocation

- \$5 million + \$1,640.37218 per unserved resident.
- CPUC identified 6,335 unserved households. Yolo to get \$15,391,757.76

Eligible Entities

- Telephone Companies (AT&T, Verizon)
- Broadband Service Providers (Esparto Broadband, Astound)
- Local Government Agencies (JPA's, municipalities interested in being a broadband provider to the public)
- Electric Utilities, Non-Profits, Co-Operatives
- California Tribes

Eligible Areas

- CPUC Broadband Map
- Timing: July-September 2023

Eligible Projects

- Projects designed to reliably offer speeds at or above 100 Mbps symmetrical or in some cases 100 Mbps down / 20 Mbps up.
- Projects must provide access to low-income eligibility plans (Affordable Connectivity Program)

County Efforts

Update Broadband Strategic Plan

\$100,000 Broadband Adoption Grant

\$500,000 Local Agency Technical Assistance Grant

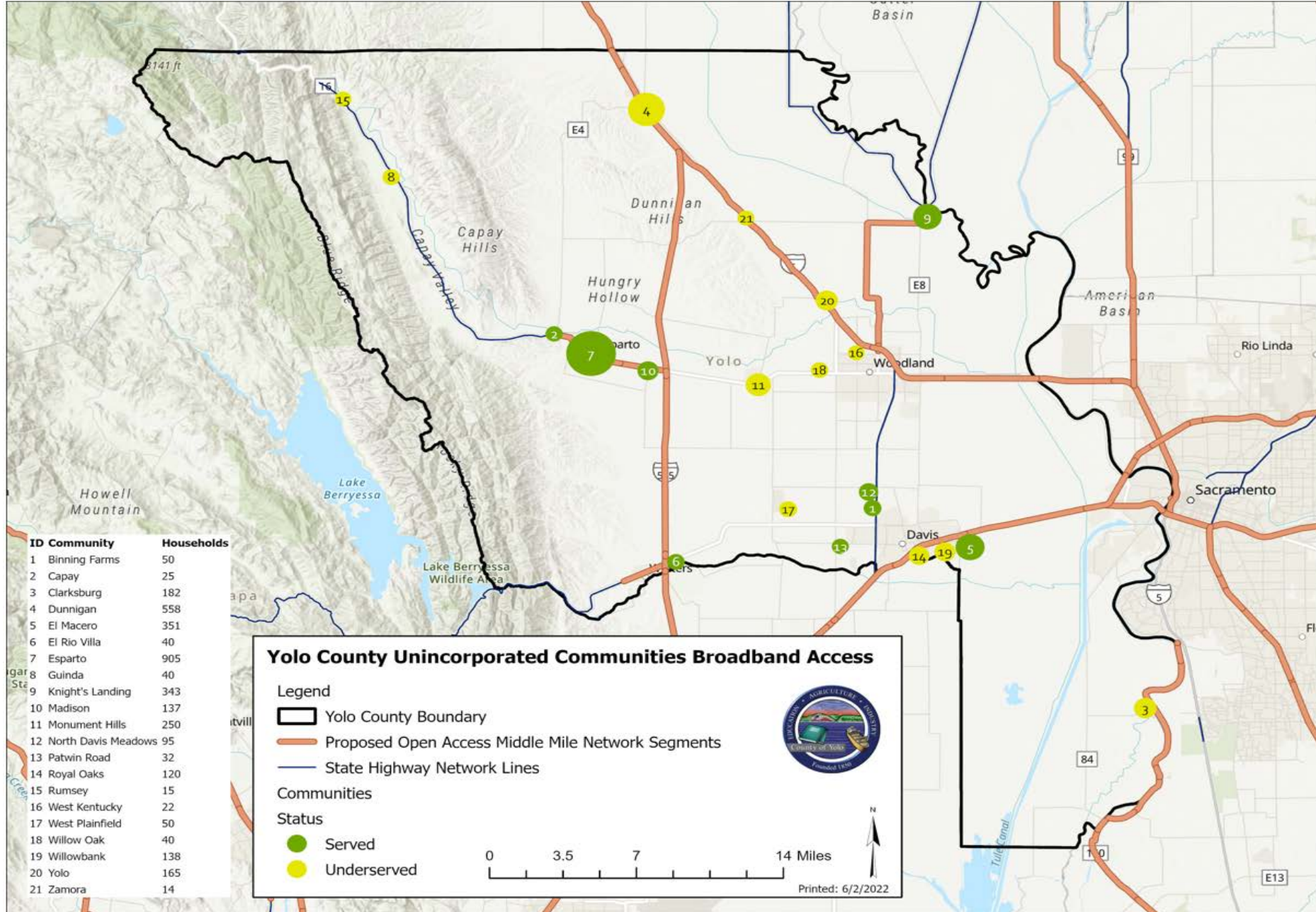
Conceptual Network Designs

High-Level Network Designs

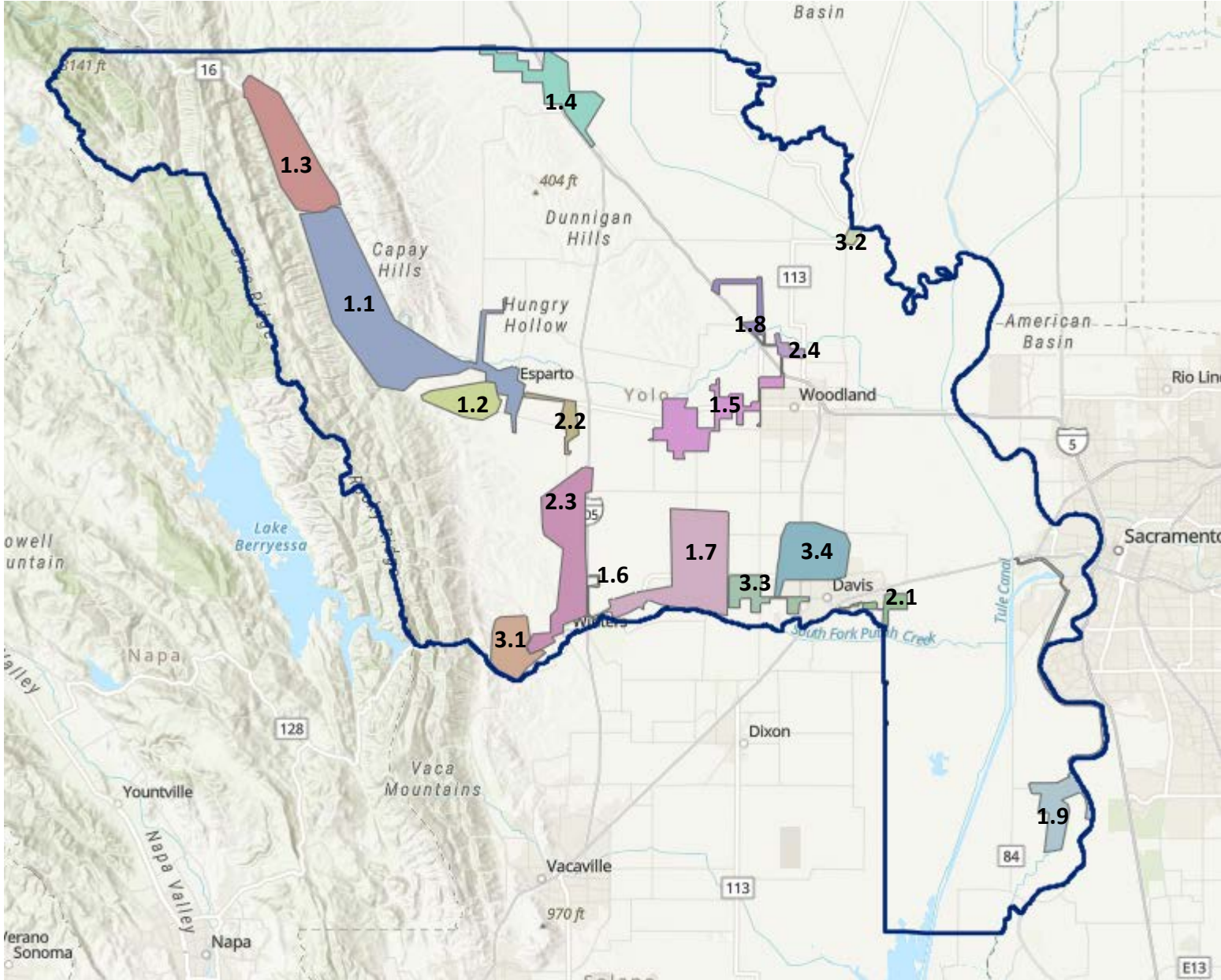
Low-Level Network Designs

**Advocate to Broadband Service Providers to
expand Broadband services in Yolo County**

2015 Strategic Plan Gaps



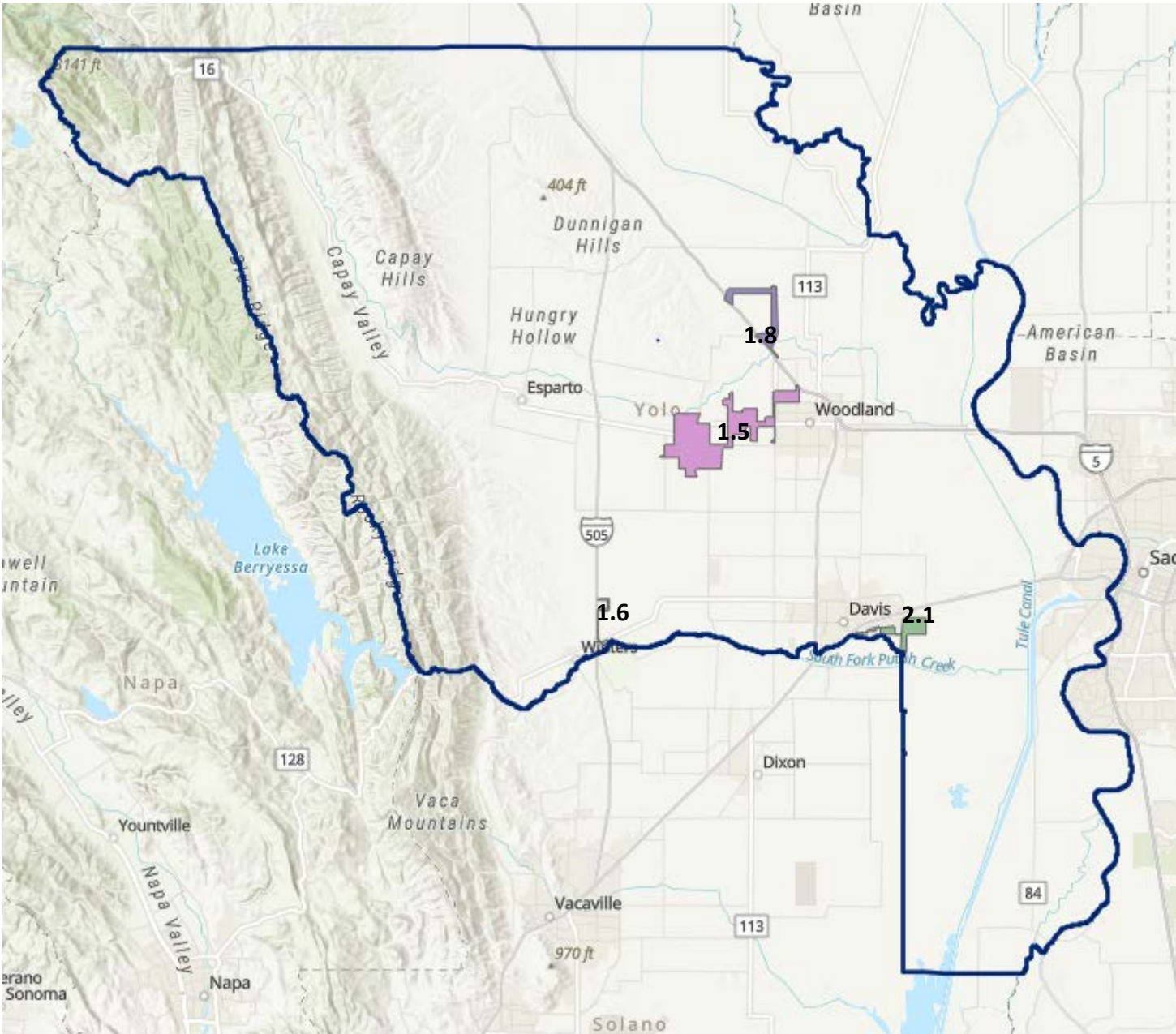
LATA: BROADBAND NETWORK DESIGNS



Projected Cost: \$98,134,488
Projected Subscribers: 4,044

#	Community	Subscribers	Est. Cost
1.1	Guinda	97	\$19,640,125
1.2	Capay	59	\$3,999,625
1.3	Rumsey	141	\$7,634,928
1.4	Dunnigan	304	\$7,479,941
1.5	Monument Hills Willow Oak	459	\$11,548,643
1.6	El Rio Villa	66	\$877,716
1.7	West Plainfield	149	\$8,784,614
1.8	Yolo	121	\$3,175,965
1.9	Clarksburg	180	\$12,061,607

Golden State Connect Authority



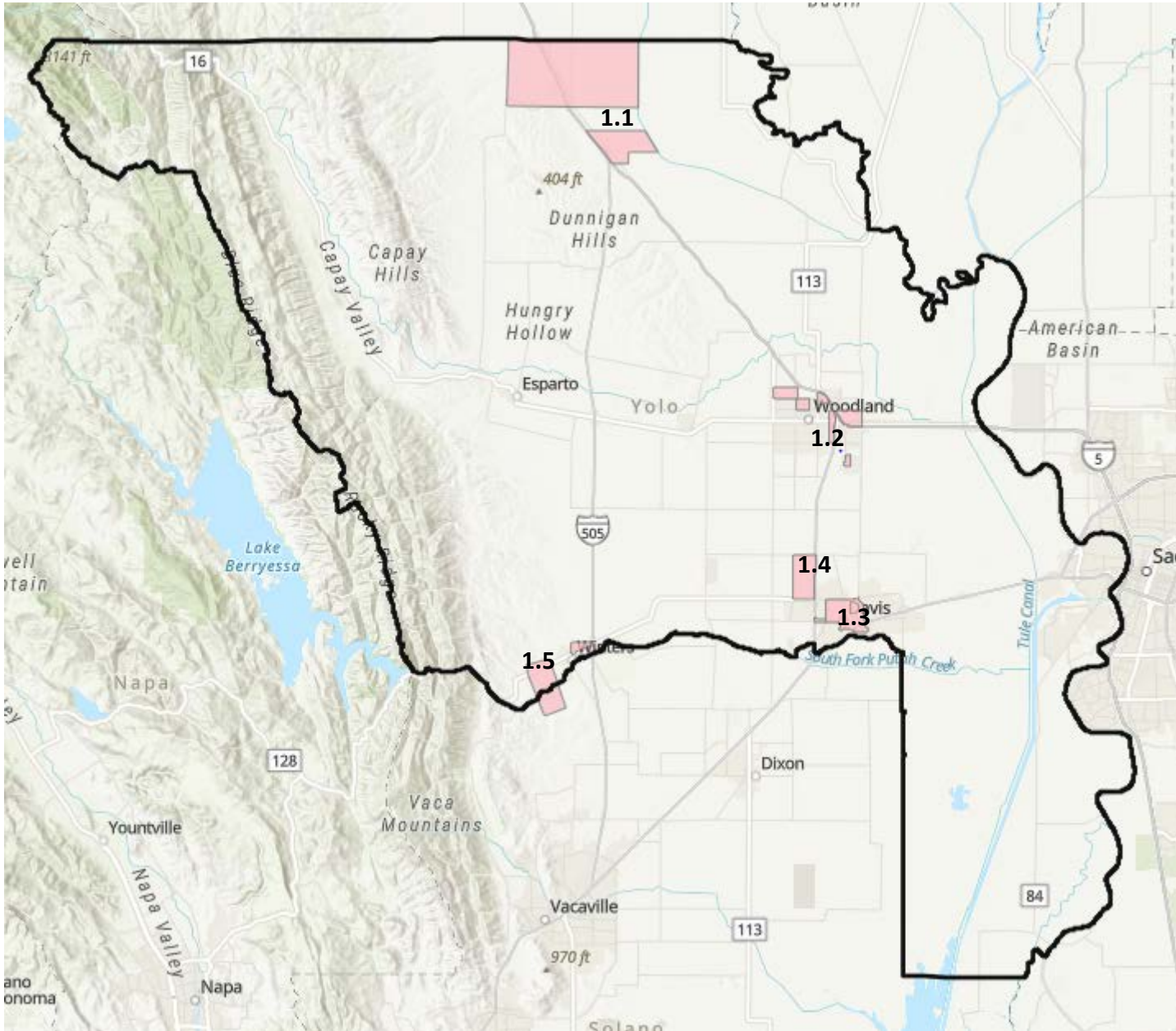
Total Cost: \$22,711,335
FFA Req: \$15,391,335
Projected Subscribers: 1,574

#	Community	Subscribers	Est. Cost
1.5	Monument Hills Willow Oak	459	\$11,548,643
1.6	El Rio Villa	66	\$877,716
1.8	Yolo	121	\$3,175,965
2.1	Royal Oaks Willowbank	409	\$3,508,730

Project area evaluation criteria:

- Financial feasibility
- Technical feasibility
- Access to State Open-Access Middle Mile (Phase 1 only)
- Number of unserved addresses that would be served
- 75% of jurisdictional project areas in Low Income Census Blocks
- Serviceability (clustering or density of project areas for maintenance).

AT&T



Total Cost: 51,312,434
FFA Req: \$25,660,116

#	Community	Est. Cost
1.1	Dunnigan	\$4,440,681
1.2	Woodland	\$18,071,616
1.3	Davis	\$196,854
1.4	Binning North Davis Meadows	\$15,111,762
1.5	Winters	\$13,491,521

Next Steps?

- **Provide feedback to staff on current efforts**
- **Provide direction to staff on prioritization efforts**
- **Staff will continue to work with Broadband Service Providers to identify funding opportunities**