

# Today's Agenda

**1. Welcome and Introductions**

**Don Saylor**, Yolo County Supervisor District 2 (5 min)

**2. Internet for All Now (AB 14)**

**Cecilia Aguiar-Curry**, California State Assemblymember, District 4 (10 min)

**3. New Funding Opportunities and Role for Elected Leaders**

**Sunne Wright McPeak**, President and CEO, California Emerging Technology Fund (15 min)

**4. How Local Agencies Can Best Position Themselves**

**Trish Kelly**, Managing Director, Valley Vision (serving as leader of the Connected Capital Area Broadband Consortia) (10 min)

**5. Broadband Study, Tools and Resources to Help**

**Craig Ferguson**, Senior Vice President Business Development Division, Rural County Representatives of California (10 min)

**6. Eligibility and Group Discussion:**

**Alan Lange/Natalie Garcia**, Valley Vision (30-45 min)

- CA Middle-Mile Network in Yolo
- Eligible Funding Areas; and
- Investment Priorities

**7. Closing and Next Steps**

**Angel Barajas**, Yolo County Supervisor District 5 (5 min)



# YEDWinter2022 Leaders Summit Yolo BB 2.0

*Getting Ready for  
Broadband Investments*

**Trish Kelly, Valley Vision**  
**February 18, 2022**

# Valley Vision: Role in Digital Inclusion

A ***civic leadership organization*** dedicated to improving the livability of the six-County Sacramento region: Sacramento, Sutter, Yolo, Yuba, Placer, and El Dorado counties:

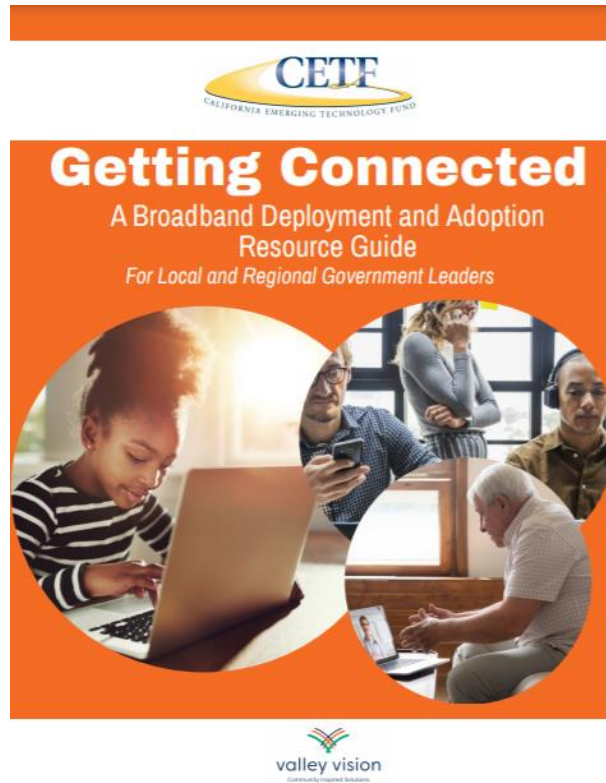
- Partner in the region's Prosperity Strategy
- Manager of the Connected Capital Area Broadband Consortium (CCABC)
- Manager of the Sacramento Coalition for Digital Inclusion
- Regional Coordinator for workforce development system/digital skills
- Statewide leadership role in broadband access and adoption

# Connected Capital Area Broadband Consortium (CCABC)



- Funded by the California PUC
- Covers: Sacramento, Sutter, Yolo, Yuba
- Priorities:
  - Connect unserved HHs to reach 98% target set by PUC
  - Support ISPs to develop infrastructure project applications
  - Assist the CPUC in broadband coverage and speed testing
  - Provide model policies, permitting & planning guidelines to expedite BB investment
  - Federal, State and other funding sources
  - Improve connectivity for rural areas, accelerate AgTech adoption

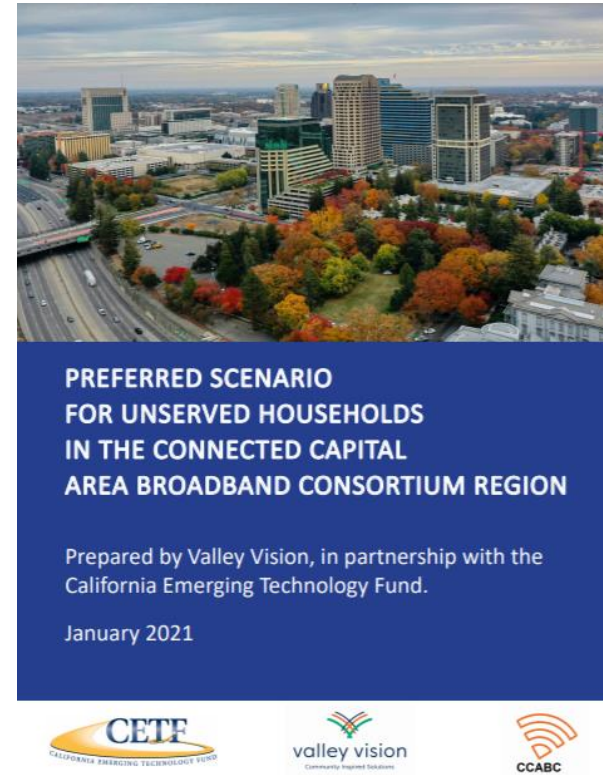
# Digital Inclusion Initiatives



The Resource Guide provides information and resources on innovative policies and practices to **accelerate broadband investment** at the local and regional levels.



The roadmap to advance the SCDI's goals in three core areas: **broadband access and adoption, hardware devices, and digital literacy and skills.**



The Preferred Scenario **identifies gaps** in broadband deployment and access in the Region, and **cost estimations and strategies** to bridge the Digital Divide.



# Getting Connected

A Broadband Deployment and Adoption  
Resource Guide  
*For Local and Regional Government Leaders*



# How to use this Resource Guide

**For local and regional government leaders looking to advance deployment and adoption of broadband through their many leadership roles. It includes:**

- An overview of select broadband plans and ordinances across the state
- Case studies for broadband deployment & adoption, including municipal broadband & 5G
- Resource listing from national and state broadband agencies and organizations

The broadband landscape is constantly evolving with new innovations in technology, policy, and many new state and federal funding resources. **How can local and regional government agencies, anchor institutions, providers and partners be ready?**

# Policies/Practices/Approaches

**Broadband Master Plans:** Comprehensive plans that outline a jurisdiction's priorities and policies, an asset inventory, regulations, and set forth an implementation and funding strategy.

**Dig Once, "Dig Smart" Policies:** Encourages the placement of fiber or conduit in the ground any time the road is dug up for a public works project.

**Municipal FTTP ("Fiber to the Premises"):** Used to specify telecommunications that use fiber to connect the subscriber, household, business, anchor.


**Master License Agreement:** Made between the Licensor (i.e., the jurisdiction, such as a county or city) and Licensee (i.e., the internet service or infrastructure provider); allows the Licensee to use and make attachments to certain structures



# Some Models and Case Studies

- Consortium-wide Dig-Once, Dig-Smart Ordinances and Broadband Roadmaps (Central Sierra)
- County-wide Environmental Impact Report (EIR) (Nevada County)
- Municipal Fiber Broadband Networks (Santa Monica)
- 5G Deployment in San José
- Councils of Government (South Bay Fiber Network, Strategic Broadband Corridors, Digital Equity Plans)
- Regional Economic Development (Joint Venture: Silicon Valley Community Broadband Initiative)

# Are you Ready?

- Do you have a broadband strategic plan?
  - Have you reviewed your policies, ordinances and processes to promote and accelerate broadband infrastructure investment?
  - Have you inventoried your public assets (i.e., towers, conduit, poles, buildings, land, etc.) that could be used for broadband deployments, including 5g?
  - Are you coordinating with SACOG and other partners on transportation and infrastructure projects, including for joint use dig once?
  - Are you planning on using jurisdiction economic recovery funding for broadband infrastructure projects?
- 

# What's on the Horizon

- Implementation of California BB for All Action Plan (California Dept. of Technology and State Agencies)
- Providing input to the CPUC on middle-mile priorities & overall funds
- Tracking new state legislation
- Tracking new federal recovery programs and broadband legislation, including Infrastructure Investment & Jobs Act (IIJA)
- Supporting local governments to identify bb priorities for local recovery strategies
- Working with ISPs

# 2021 Broadband Investments – CPUC Responsibilities

## Middle-Mile Locations (\$3.25B)

- Identify routes and priority areas using public process
- Report mapping and analysis to CA Dept. of Technology for use in program implementation & project development
- <https://middle-mile-broadband-initiative.cdt.ca.gov/>

## Last Mile Initiative (\$2B)

- Implemented through California Advanced Services Fund (CASF) Federal Funding Account
- Funding available for awards to applicants with broadband last-mile infrastructure projects

Source: CPUC 2/17/2022

## Supporting Programs

### **California Advanced Services Fund (CASF):**

- ~\$66 Million current authorized amount (may be increased pursuant to PUC Code)
- *Purpose:* assist with broadband infrastructure deployment and adoption in public housing, tribal, and unserved areas.

### **Loan Loss Reserve Fund, \$750 million:**

- *Purpose:* enable local governments and nonprofits to secure financing for broadband infrastructure

### **Technical Assistance Fund, \$50 million:**

- *Purpose:* Help prepare local governments and tribes for broadband infrastructure investments

# Affordable Connectivity Program (ACP) (IIJA)

- The Affordable Connectivity Program is an FCC benefit program that helps ensure that households can afford the broadband they need for work, school, healthcare and more.
- The benefit provides a discount of up to \$30 per month toward internet service for eligible households and up to \$75 per month for households on qualifying Tribal lands. Eligible households can also receive a one-time discount of up to \$100 to purchase a laptop, desktop computer, or tablet from participating providers if they contribute more than \$10 and less than \$50 toward the purchase price.
- The ACP is limited to one monthly service discount and one device discount per household.
- <https://www.fcc.gov/acp>

# Additional Resources

- Feedback from Internet Services Providers and Infrastructure Providers
- LEO Checklist/ Digital Equity Bill of Rights (CETF)
- Sample Resolutions for Broadband Access and Sample Model Policies to bring Broadband to Underserved Communities, for use by local government (SCAG and SANDAG)
- State and federal agencies, nonprofits, foundations, leadership organizations

## **Getting Connected Resource Guide and best practices resources:**

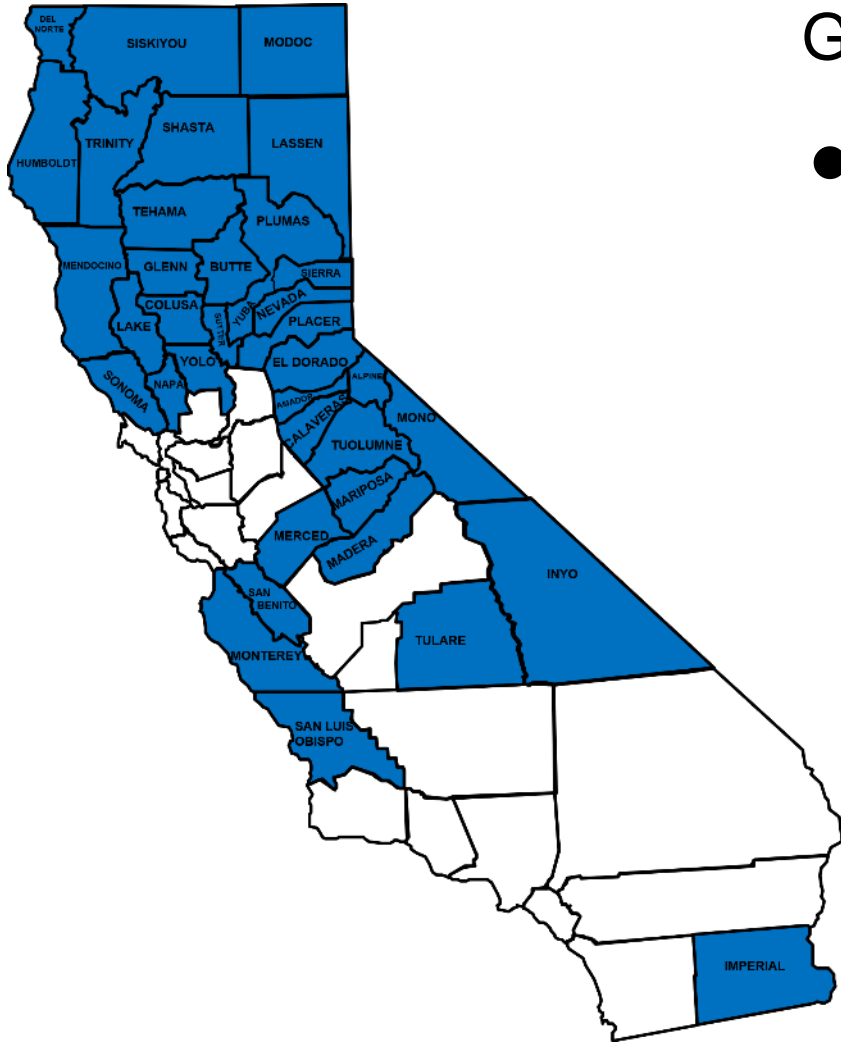
<https://www.valleyvision.org/resources/getting-connected-a-broadband-resource-guide/>

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[www.goldenstateconnect.org](http://www.goldenstateconnect.org)

## GOLDEN STATE CONNECT AUTHORITY (GSCA)

- RCRC has formed the Golden State Connect Authority (GSCA) JPA, consisting of 37 rural counties, to increase access to reliable, affordable high-speed broadband for all rural Californians

### Three Phases:

1. Ensure all member counties have broadband strategic plans
2. Equip rural counties with informational resources on innovative models and new approaches to deliver broadband
3. Implement open-access municipal broadband demonstration projects



**51 %** of rural Californians do not have access to high-speed internet  
—CPUC, “CASF” (April 2021)



# Connected Capital Area Broadband Consortia (CCABC)

*18 February 2022*

*Alan Lange, Managing Director  
Natalie Garcia, Project Associate*



# U.S. Census Data, 2019 estimates

***Computing Devices in Households  
Internet Subscription  
Income by Rates of Subscription***

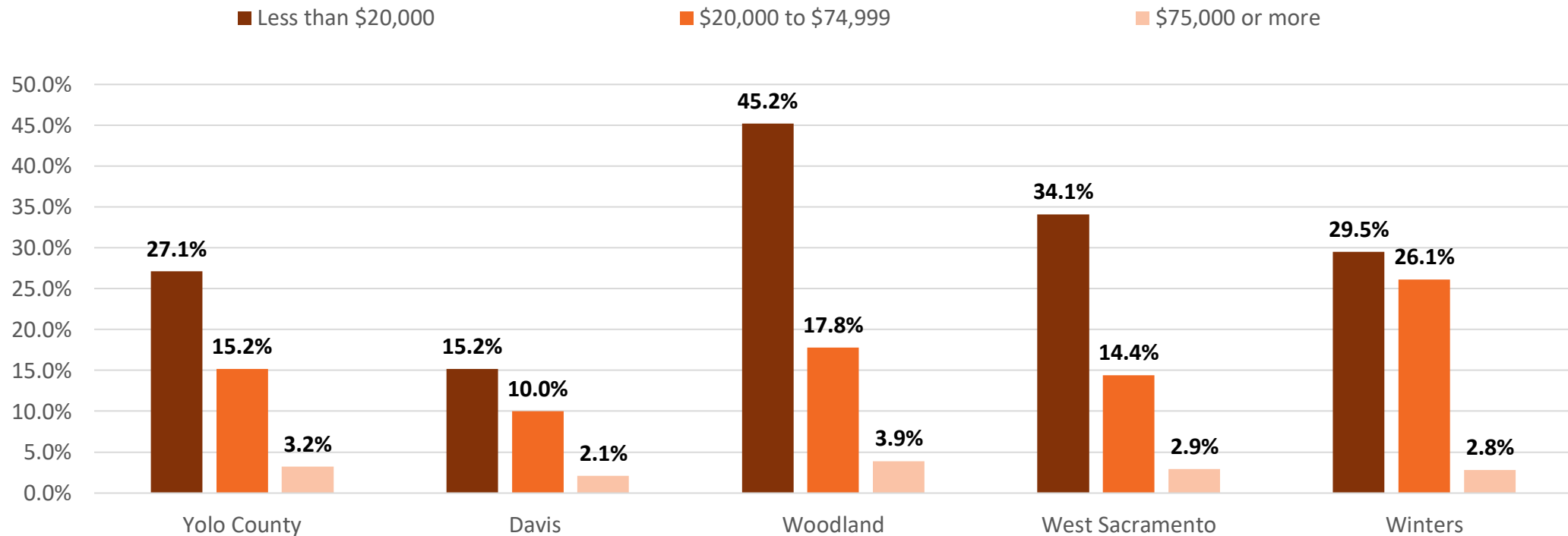


# Internet & Devices for Households in Yolo County Jurisdictions

<i>American Community Survey 2019, 5-year estimates</i>	Total households	TYPES OF COMPUTER		TYPE OF INTERNET SUBSCRIPTIONS	
		Has one or more types of computing devices:	No computer	With an Internet subscription:	Without an Internet subscription
<b>Yolo County, California</b>	74,296	94.0%	6.0%	88.5%	11.5%
<b>Clarksburg CCD</b>	464	95.0%	5.0%	86.2%	13.8%
<b>Davis CCD</b>	27,098	97.8%	2.2%	92.5%	7.5%
<b>Dunnigan CDP</b>	516	89.3%	10.7%	87.2%	12.8%
<b>Esparto CCD</b>	1,905	87.2%	12.8%	79.9%	20.1%
<b>Guinda CDP</b>	82	74.4%	<b>25.6%</b>	74.4%	25.6%
<b>Knights Landing CCD</b>	1,477	82.7%	<b>17.3%</b>	74.3%	<b>25.7%</b>
<b>Madison CDP</b>	193	82.9%	17.1%	68.9%	<b>31.1%</b>
<b>Monument Hills CDP</b>	486	96.9%	3.1%	93.2%	6.8%
<b>West Sacramento city</b>	18,577	93.7%	6.3%	87.8%	12.2%
<b>Winters city</b>	2,319	95.6%	4.4%	89.0%	11.0%
<b>Woodland CCD</b>	21,811	90.7%	9.3%	85.9%	14.1%
<b>Yolo</b>	94	60.6%	<b>39.4%</b>	50.0%	<b>50.0%</b>

# Internet Subscription by Income

Percentage of each Census-designated income group without an Internet Subscription



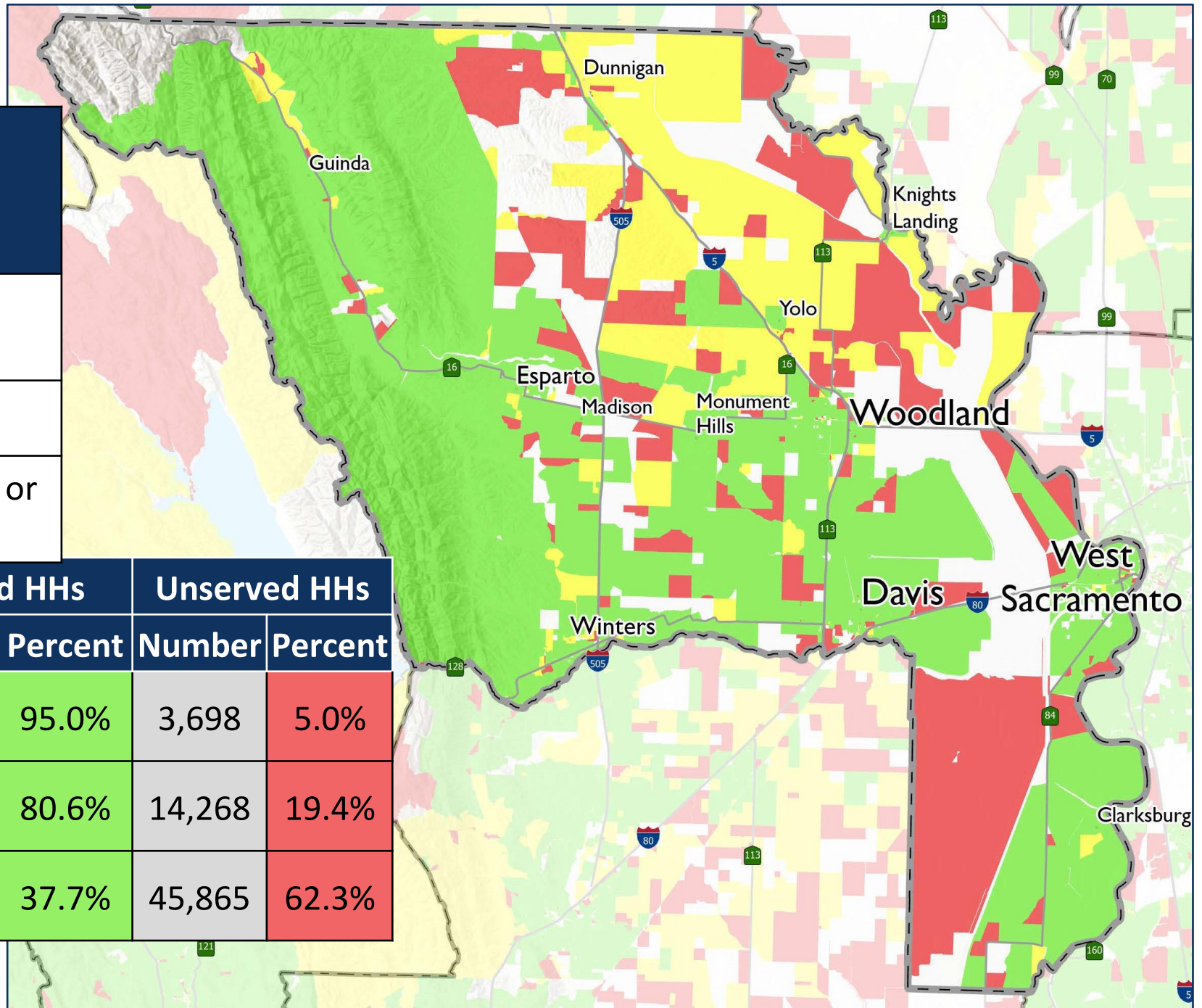
# Areas for Potential Broadband Expansion/Upgrade Projects

***Broadband Coverage & Deployment in Yolo County***



# Broadband Access in Yolo County




	Served at or greater than 25/3Mbps
	Unserved (speeds below 25/3)
	Priority Unserved (less than 10/1 or no access)

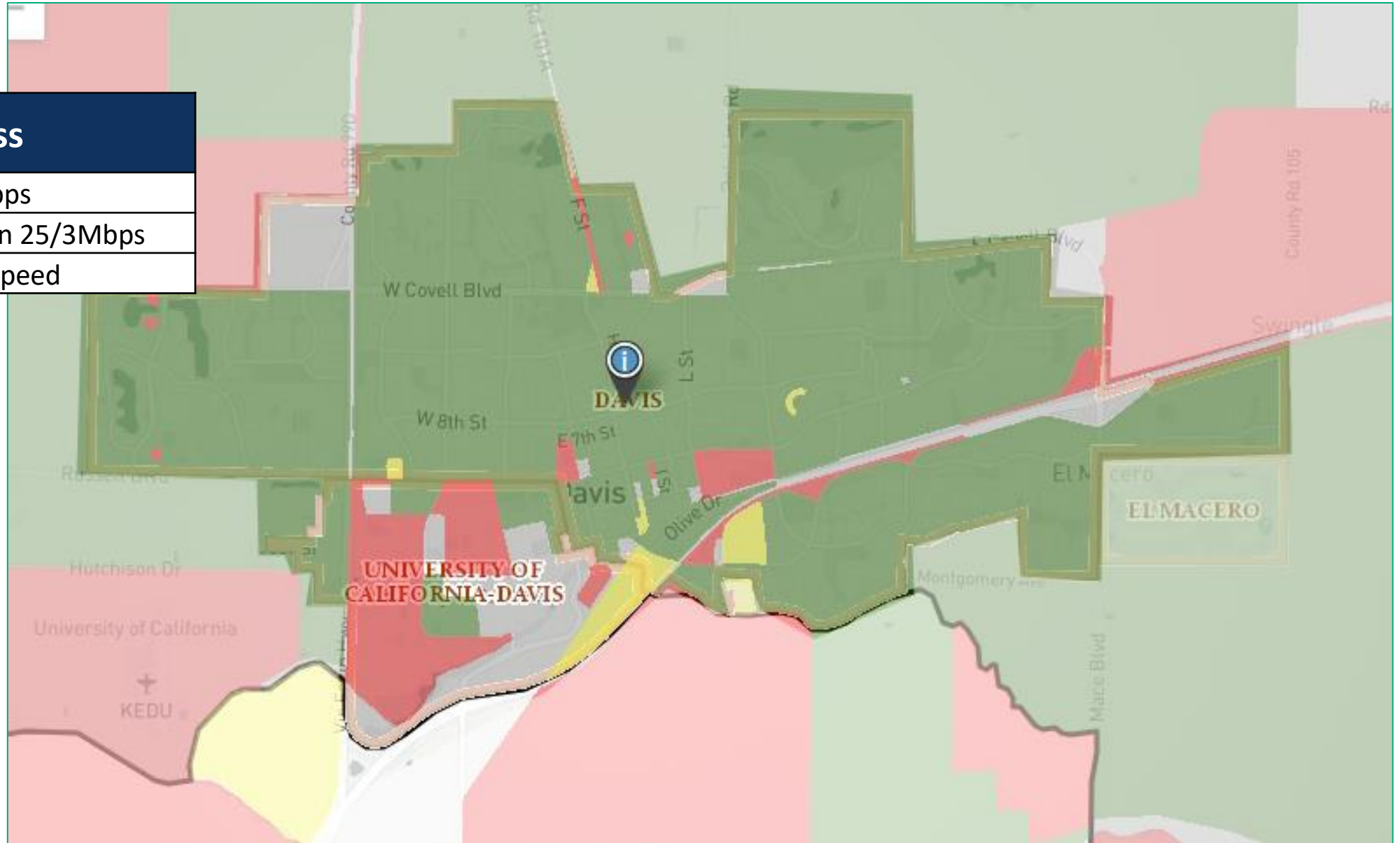


Speed Standards	HHs	Served HHs		Unserved HHs	
		Number	Percent	Number	Percent
FCC Standard 25/3Mbps	73,648	69,950	95.0%	3,698	5.0%
CA State Plan 100/20Mbps	73,648	59,380	80.6%	14,268	19.4%
FCC Gigabit Standard 1Gbps/500Mbps	73,648	27,783	37.7%	45,865	62.3%

# Davis




## Broadband Access

	Served at 25/3Mbps
	Served at less than 25/3Mbps
	Unserved at any speed



# West Sacramento

## Broadband Access




	Served at 25/3Mbps
	Served at less than 25/3Mbps
	Unserved at any speed

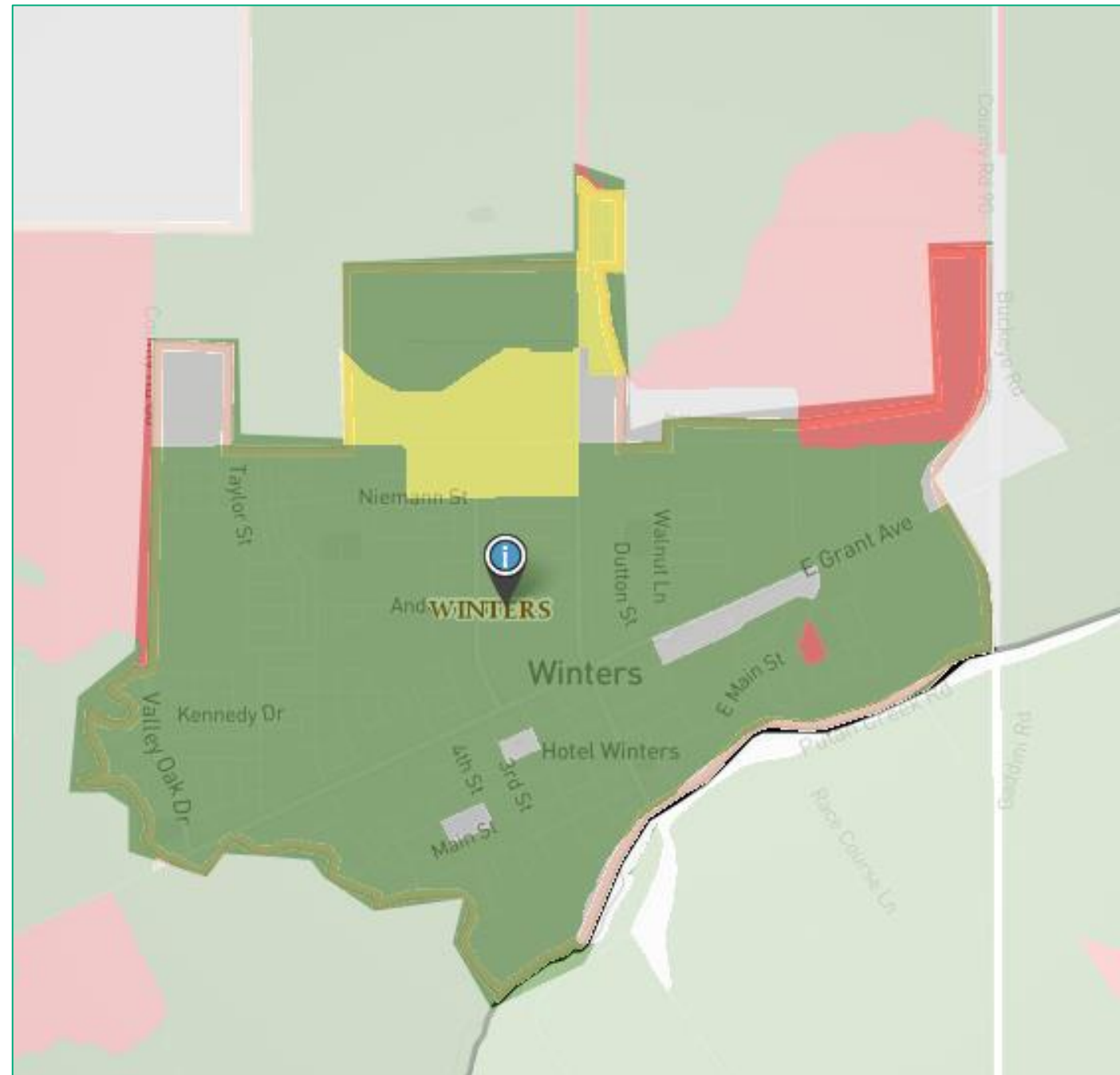




# Winters

## Broadband Access




	Served at 25/3Mbps
	Served at less than 25/3Mbps
	Unserved at any speed



# Woodland



## Broadband Access

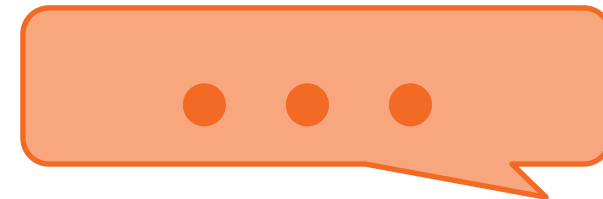
	Served at 25/3Mbps
	Served at less than 25/3Mbps
	Unserved at any speed

# Discussion



Do the maps seem accurate, or are you hearing differently from your residents and businesses?

Are there any assets, projects, or efforts underway that could be leveraged to address some of these gaps?








# Areas for Potential Broadband Expansion/Upgrade Projects

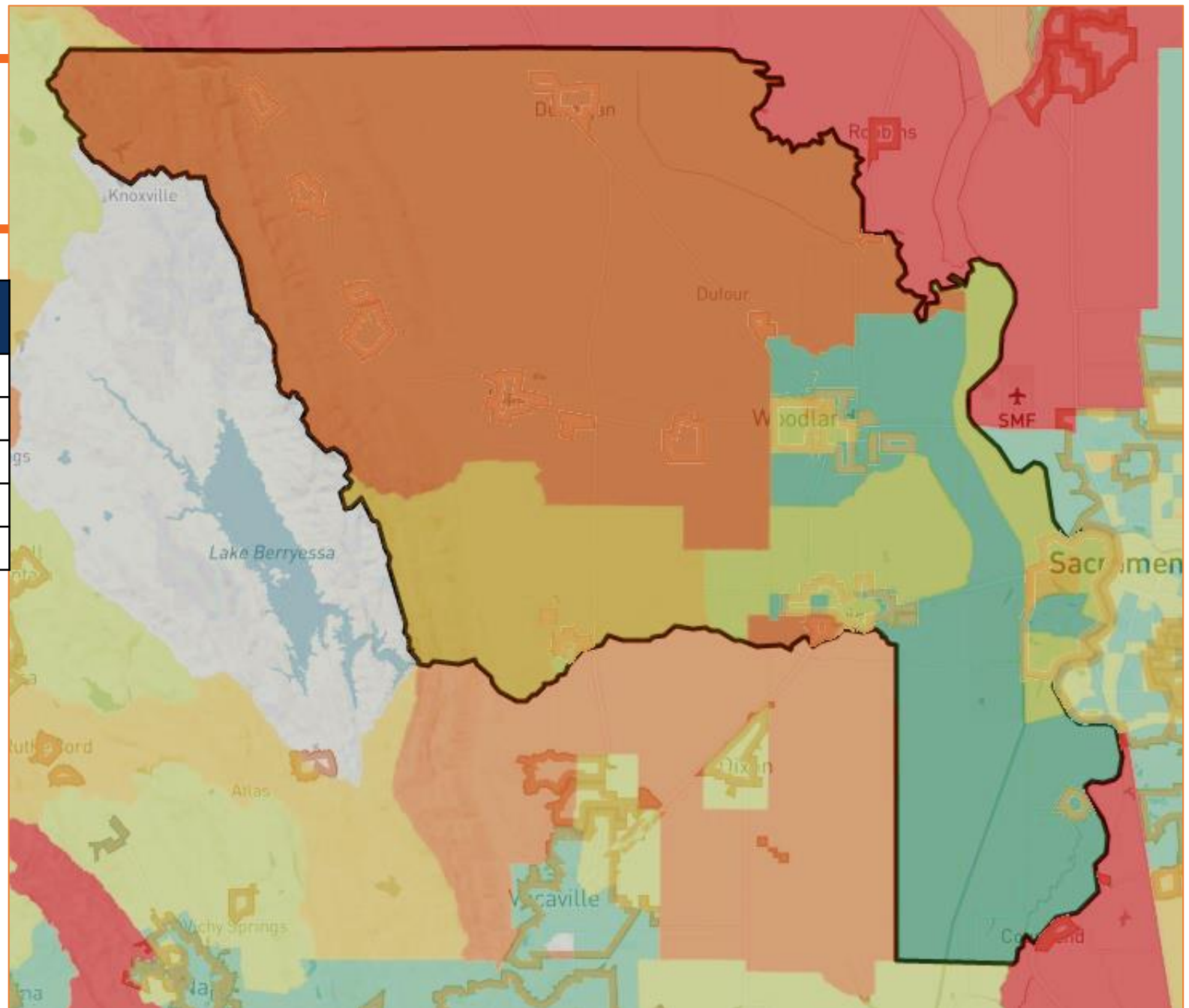
*Broadband Adoption in Yolo County*



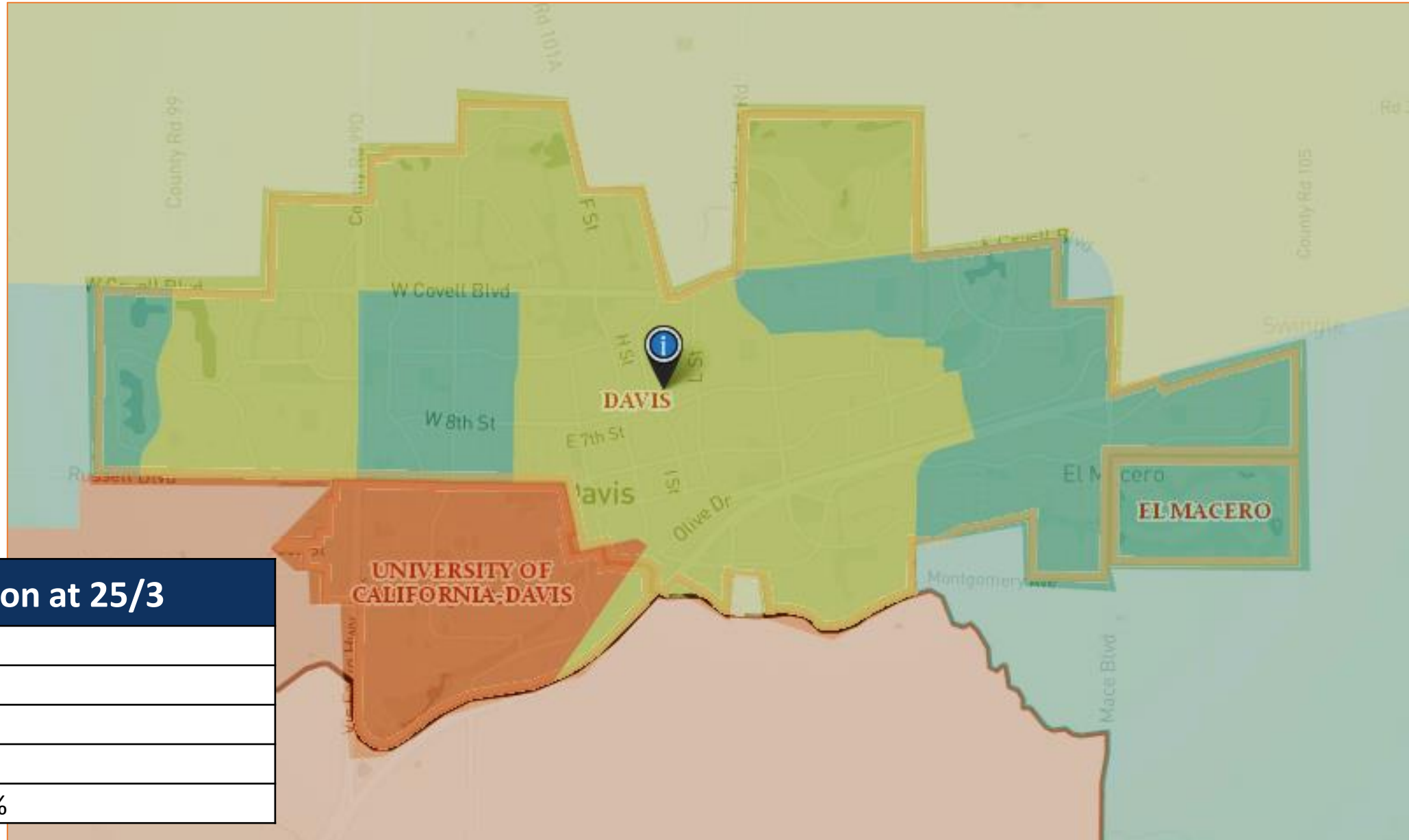
# Yolo County

## Broadband Adoption at 25/3

	Less than 20%
	20% to 40%
	40% to 60%
	60% to 80%
	More than 80%



# Davis



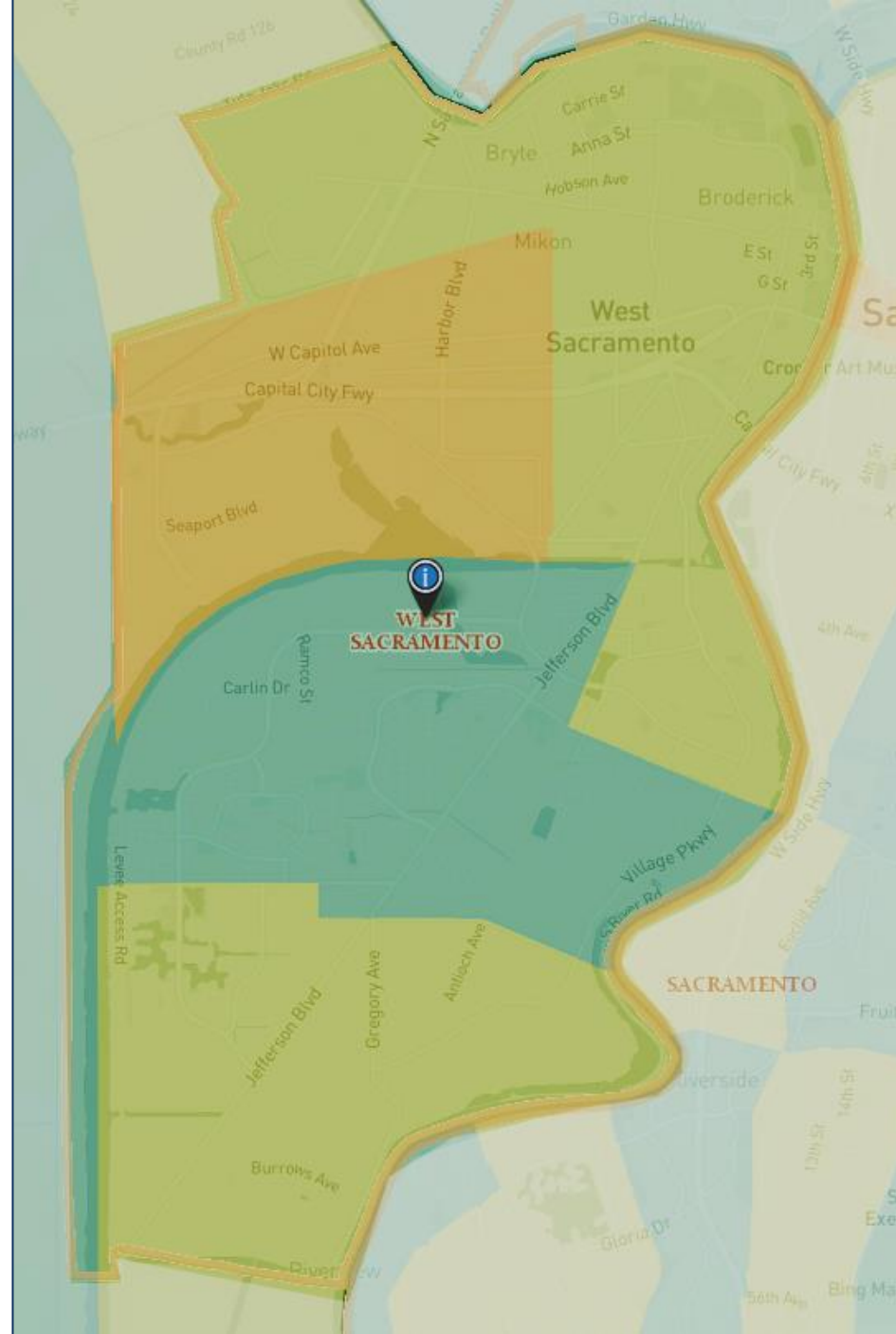
## Broadband Adoption at 25/3

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# West Sacramento

## Broadband Adoption at 25/3

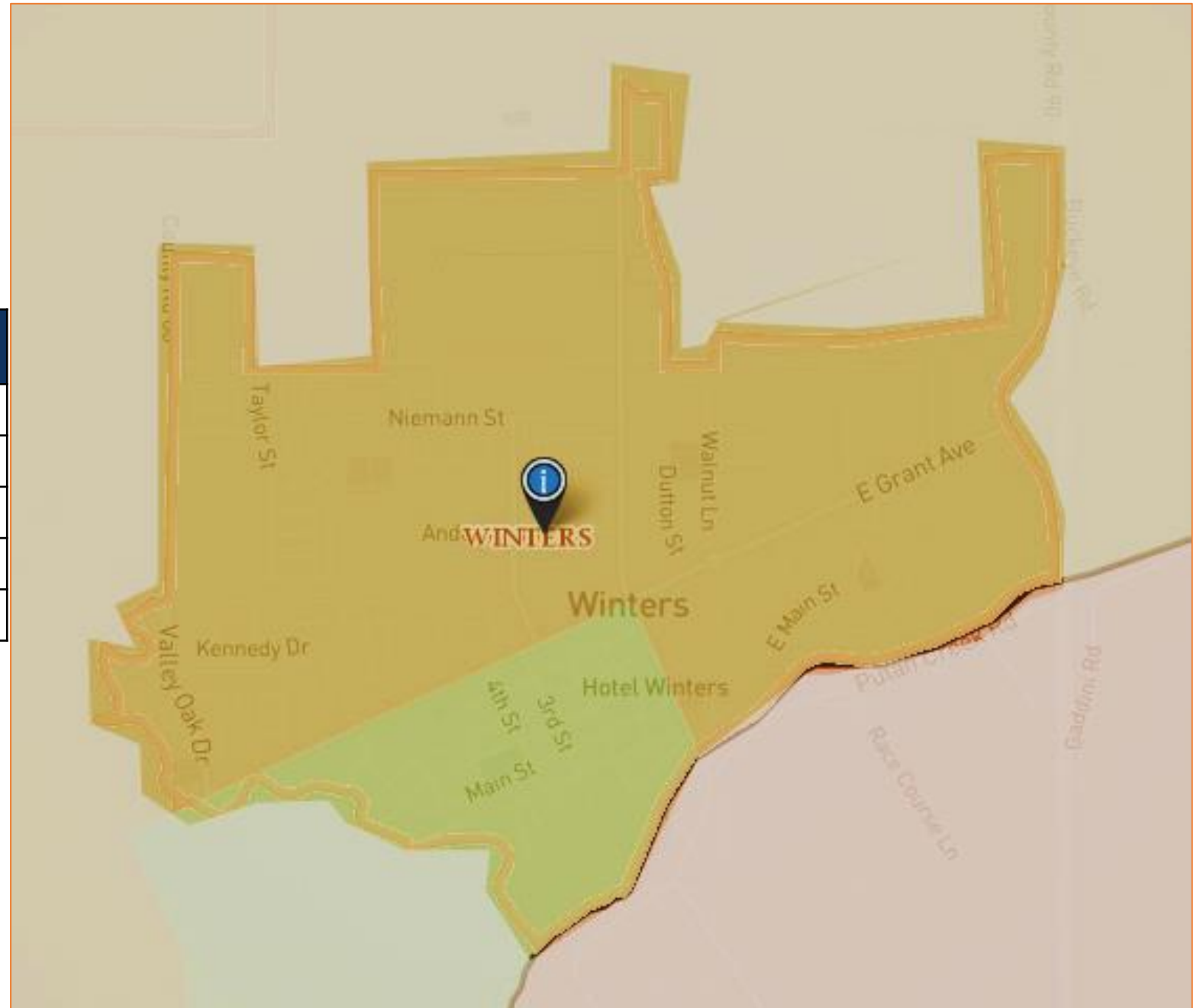
Less than 20%
20% to 40%
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# Winters

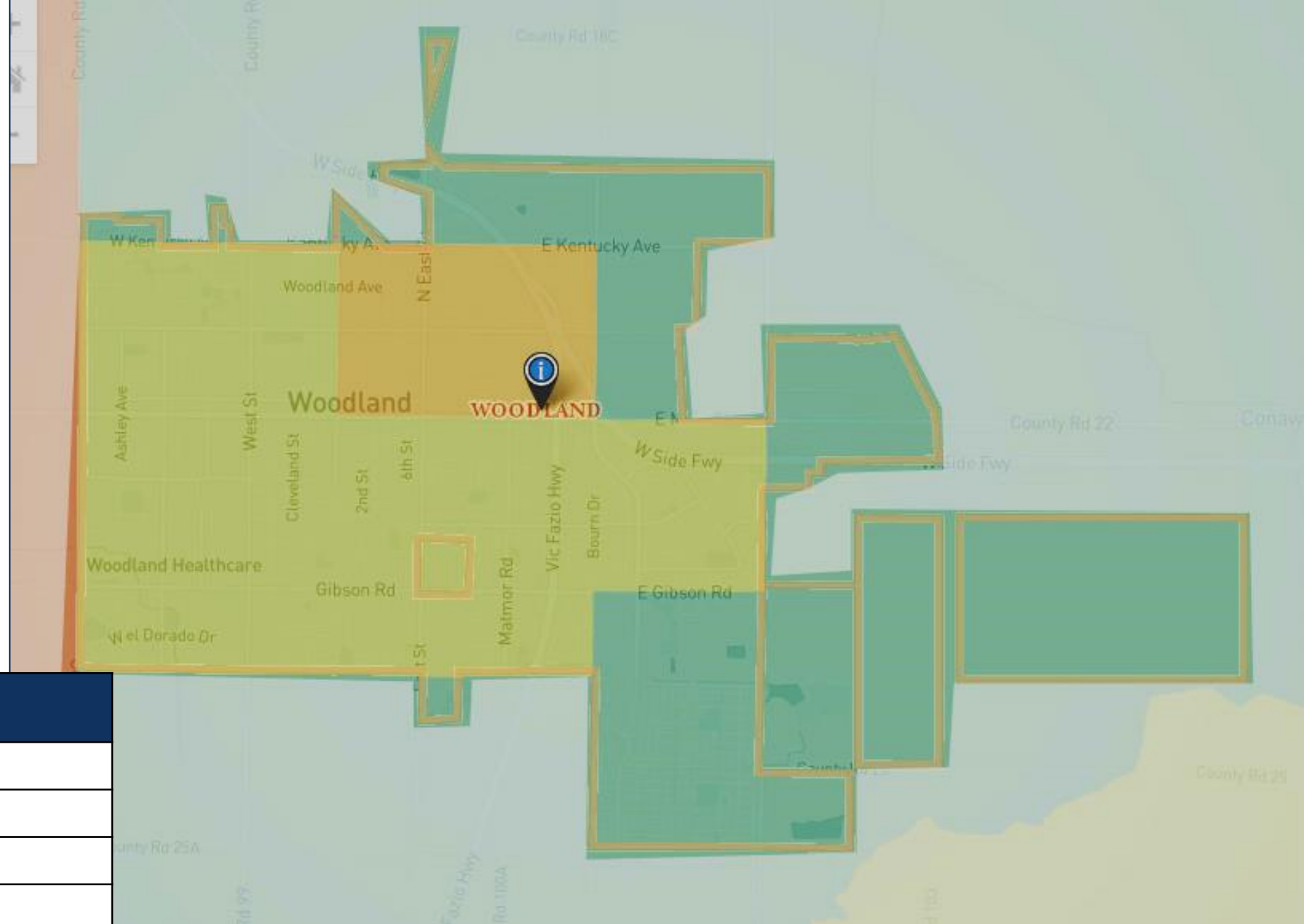
## Broadband Adoption at 25/3

Less than 20%
20% to 40%
40% to 60%
60% to 80%
More than 80%





# Woodland



Broadband Adoption at 25/3	
Less than 20%	
20% to 40%	
40% to 60%	
60% to 80%	
More than 80%	

# Emergency Broadband Benefit (EBB) Program Enrollment within Yolo County & ZIP Codes (2021)

As of January 1, 2022 EBB is now the **Affordable Connectivity Program (ACP)**



Geography	EBB Subscribers	Total households (2019 est)	Rate of EBB enrollment (%)
<b>Yolo County</b>	<b>3,210</b>	<b>76,075</b>	<b>4.22%</b>
<b>95605</b>	651	4,927	<u>13.2%</u>
95606	1	98	1.0%
95607	5	167	3.0%
95612	2	424	0.5%
95616	434	17,302	2.5%
95618	279	9,692	2.9%
95620	276	6,703	4.1%
95627	56	1,177	4.8%
95645*	29	618	4.7%
95653	8	193	4.1%
<b>95691</b>	1,041	13,665	<u>7.6%</u>
95694	134	3,477	3.9%
95695	1,069	14,749	7.2%
<b>95697</b>	9	94	<u>9.6%</u>
95698	1	107	0.9%
95776	484	7,595	6.4%
95912	30	1,576	1.9%
95937	21	536	3.9%

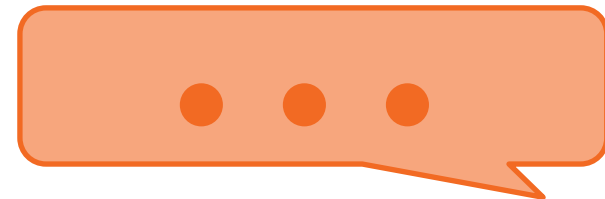
*95645 is part of Sutter and Yolo*

# Discussion



Do you think your challenges are more with broadband deployment or adoption?

Are there any assets, projects, or efforts underway that could be leveraged to address some of these gaps?



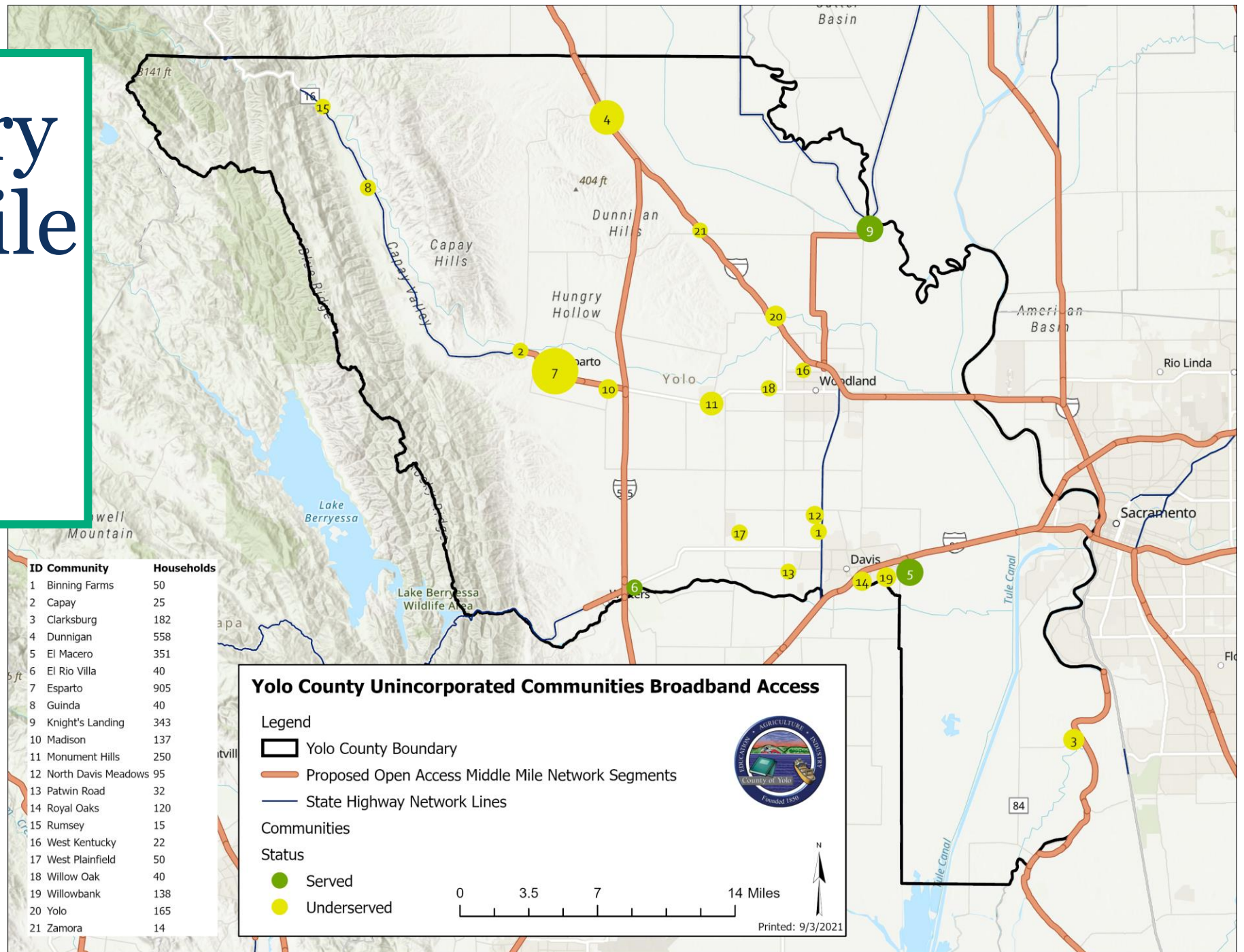
CCABC



***Preliminary Middle Mile Projects***



# Preliminary Middle-Mile Network Map



# Are you Ready?

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- Have you reviewed your policies and ordinances to promote and accelerate broadband infrastructure investment?
- Have you inventoried your public assets (i.e., towers, conduit, poles, buildings, land, etc.) that could be used for broadband deployments, including 5g?
- Are you coordinating with Caltrans and SACOG on local transportation and infrastructure projects, including joint use dig once?
- Are you planning on how to use economic recovery funding for broadband infrastructure projects?



Thank you!

