



**BROADBAND
FOR ALL**

Broadband for All Roundtable

Cities, Counties, Regional Broadband Consortia, Metropolitan Planning Organizations

April 28, 2022





AGENDA

- Welcome/Opening Comments
- Broadband for All Update
- Middle-Mile Broadband Initiative Update
- Last-Mile and Adoption Programs Update
- Affordable Connectivity Program Update & Panel
- Digital Equity Update
- Q & A

Amy Tong

Secretary

Government Operations Agency

Scott Adams

**Deputy Director, Broadband & Digital Literacy
California Department of Technology**

Access

Affordability

Adoption

Digital Equity and Inclusion

California Broadband Council



Executive Order N-73-20

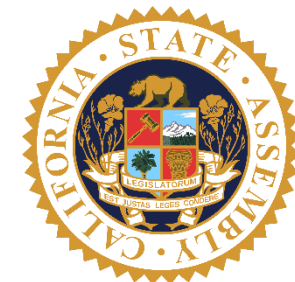
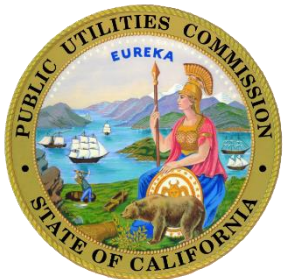


2020 Broadband Action Plan



2021 Middle-Mile Broadband Initiative

Multi-agency collaboration



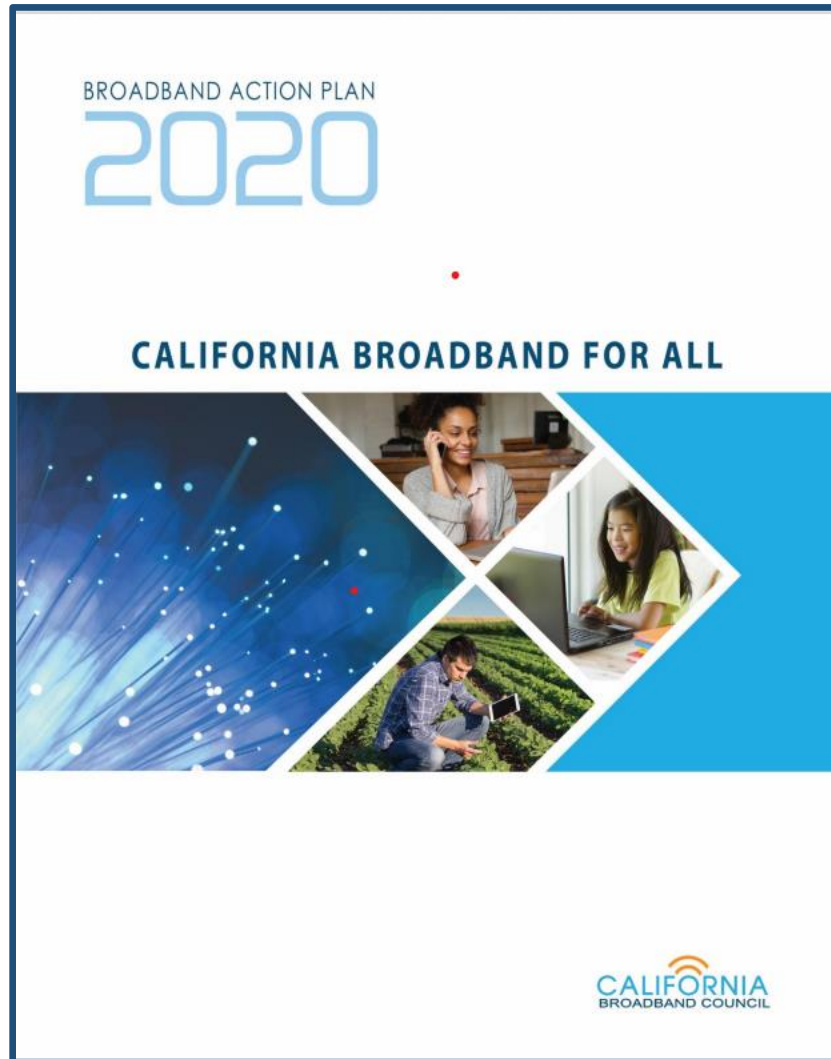
Required development of a California State Broadband Action Plan.



Specific direction on 15 items:

- Data and Mapping
- Funding
- Deployment
- Adoption

Broadband for All Action Plan



Goal 1: All Californians have high-performance broadband available at home, schools, libraries, and businesses.

Goal 2: All Californians have access to affordable broadband and necessary devices.

Goal 3: All Californians can access training and support to enable digital inclusion.

CDT Action Items

CDT oversees implementation of the Action Plan overall and leads 6 of its 24 Action Items.

#6

Enhance permitting processes at all levels of government

#7

Identify state property for possible use for broadband infrastructure

#14

Promote state contractual vehicles to support cost savings and efficient purchasing of broadband services and equipment.

#16

Promote, track, and publicly report the progress of adoption of affordable internet services and devices throughout the state.

#18

Develop multi-layer network of digital-inclusion stakeholders to discuss ongoing needs, share resources, and coordinate initiatives

#21

Establish Broadband For All portal to enable access to broadband information and tools and serve as a central repository.

Broadband for All Portal

Closing the digital divide

Broadband for All is California's commitment to closing the digital divide. Broadband is essential for vital services and opportunities, but millions of Californians still lack adequate broadband service or the devices and skills to use it.

Join us as we engage and support partners across the state to achieve Broadband for All.

[Learn more](#)



Broadband initiatives



[Broadband for All Action Plan](#)

In response to executive order N-73-20, the California Broadband Council developed the "Broadband for All" Action Plan with the understanding that broadband access, adoption, and training are essential components of digital equity.



[Middle-Mile Broadband Initiative](#)

In July 2021, Governor Newsom signed SB 156. This directed the California Department of Technology to develop a statewide, open-access middle-mile network. SB 156 provides \$3.25 billion to build the necessary infrastructure to bring internet connectivity to homes, businesses and community institutions.



[Last-Mile and Adoption Programs](#)

To complement the middle-mile network, SB 156 included \$2 billion to build last-mile infrastructure, provide funding for local agency technical assistance, and a loan loss reserve. The California Public Utilities Commission administers these along with a suite of existing programs that support broadband deployment, assistance, affordability, and adoption.

Mark Monroe

Deputy Director, Middle-Mile Broadband Initiative
California Department of Technology

SB 156 (Chapter 112, Statutes of 2021)

- \$6 billion investment over three years to:
 - Expand broadband infrastructure
 - Increase affordability
 - Enhance access to broadband for all Californians
- \$3.25 billion to develop, acquire, construct, maintain and operate a statewide “open-access **middle-mile**” network (CDT)
- \$2.75 billion for **last-mile** infrastructure grant programs (CPUC)

SB 156 (Chapter 112, Statutes of 2021)

- CDT oversees the acquisition and management of contracts for the development, acquisition, construction, maintenance, and operation of statewide open-access middle-mile broadband network
- Establish a Single Point of Contact: Deputy Director, Middle-Mile Broadband Initiative
- Establish Middle-Mile Advisory Committee to monitor project
- Retain Third-Party Administrator

Working together to achieve SB 156



California Department of Technology

- Program, fund management, reporting and oversight
- Retain TPA
- In collaboration with TPA and CPUC, facilitate high speed broadband access through last-mile connectivity



California Public Utilities Commission

- Provide data to identify unserved & underserved areas
- Facilitate public comment
- Recommend network placement



Third Party Administrator

- Manages the development, acquisition, construction, maintenance and operation of the statewide open-access middle-mile broadband network



Caltrans

- Leverage existing transportation projects
- Oversee acquisition and management of construction contracts for open-access middle-mile broadband network



Department of Finance

- Budget oversight and facilitation
- State and Local Fiscal Recovery Funds (SLFRF) quarterly reporting to the federal government

Middle-Mile Advisory Committee

- CDT: Chair
- DoF
- Caltrans
- CPUC
- GovOps
- 2 Ex Officio – Senate
- 2 Ex Officio – Assembly

Business Partner Working Group

- CDT
- CPUC
- TPA
- Caltrans
- DoF

Program Oversight And SLFRF Reporting

- CDT
- DoF

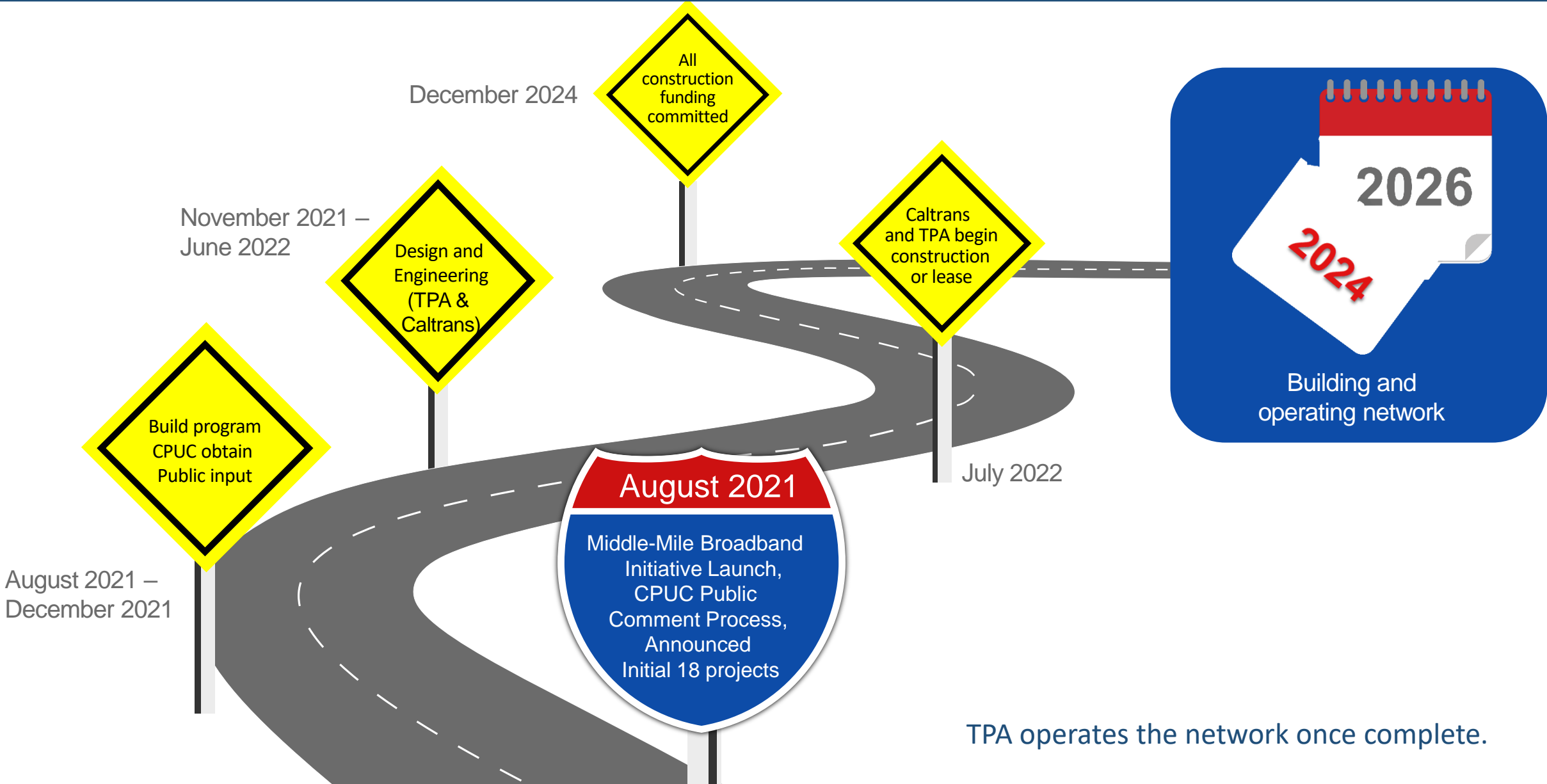
Guiding Principles

- 1** Provide affordable, open-access, middle-mile broadband infrastructure to enable last-mile network connectivity throughout the state.

- 2** Build the network expeditiously, leveraging existing infrastructure, networks, and construction projects, where feasible.

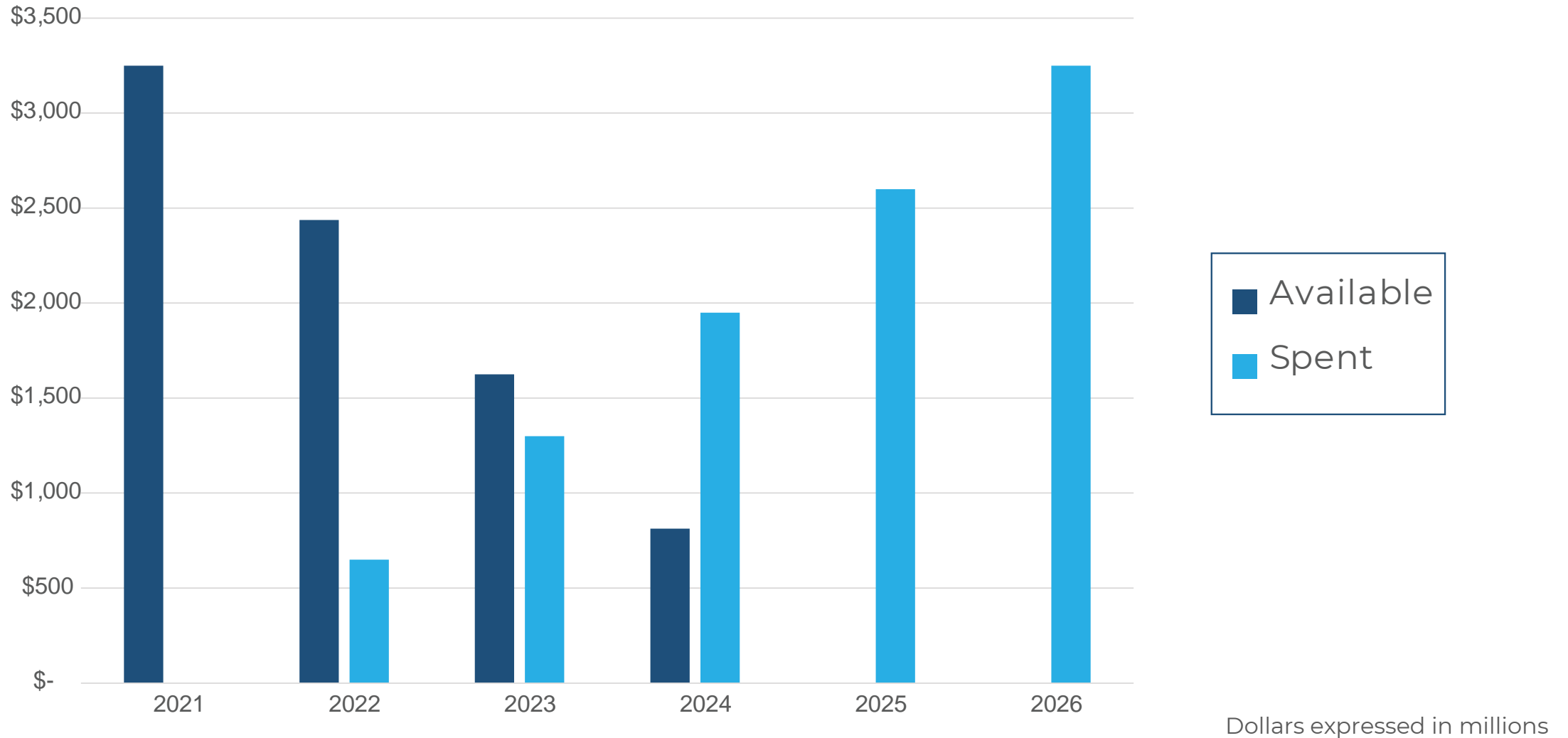
- 3** Prioritize connectivity to unserved and underserved communities, including community institutions.

Middle-Mile Broadband Initiative Timeline



Expenditure Plan

Middle-Mile Broadband Initiative (MMBI)
Cumulative Expenditure Pattern



Federal Funding Rules

The \$3.25 billion MMBI project is funded entirely from American Rescue Plan Act (ARPA) funding.

- ARPA funds must be encumbered by December 2024.
- ARPA expenditures must be liquidated, and the MMBI project completed, by December 2026.
- The \$3.25 billion in ARPA funding is estimated to be enough to build approximately 6,000 miles of the 8,000-mile system. SB 156 provides for the remainder of the system to be developed using leases of existing infrastructure.

Erik Hunsinger

**Vice President of Infrastructure
GoldenStateNet**

Presentation Overview

- Overview of Design Objectives, Factors, and Process
- Presentation of Statewide Middle-Mile Network Design
- State divided into 5 Development Regions
- Overview of topology and highlights for each Region
- Support for Optimization Process



GOLDENSTATENET

Statewide Middle-Mile Network Design

April 28, 2022 (MMAC Abridged)

Design Process

- Analyzed extensive mapping resources to understand: existing technical and telecom assets, road and highway systems, topological factors, socioeconomic composition by region, broadband speeds (or lack thereof) by region, among other factors.
- Used CPUC middle-mile recommendation routes as anchors for most route solutions adding regional rings.
- Engaged with a diverse set of community groups to understand needs, requirements, existing assets, and potential opportunities.
- Engaged service providers (carriers, vendors, ISPs, etc) to examine potential solution sets.
- Integrated proposed 18 projects into the initial statewide network recommendation.
- Identified regions where the unserved population is >50 miles from current design to build fiber paths where feasible.
- Estimated the cost for building proposed routes in preparation for an optimization analysis.

Design Factors

- Primarily utilize new fiber-optic cable construction where feasible (Caltrans Right of Way).
- Seek joint build partnerships to reduce costs to the state and to partners.
- Use long-term Dark Fiber IRUs where appropriate to reduce cost, time to service, and to add resiliency.
- Align to organizations with existing regional, state, and federal broadband infrastructure funding to maximize investments, e.g. CASF-funded organizations.
- Aim for “early wins” to meet expectations of residents, policymakers, and other stakeholders.
- Utilize well-established best practices in network design principles, protocols, engineering, and operation.

Support for Optimization Process

Inform CDT to enable partner-based optimization and application of available budget. This includes:

- Providing comprehensive information to drive decision-making for Build vs. Buy vs. Joint Build
- Working with CDT to determine contingency reserve percentage against \$3.2B budget (typically 10-20%)

Steps to achieving optimization:

- Show total routes, mileage, and projected cost of statewide Middle Mile Network that would be 100% newly-built fiber, including required equipment and facilities
- Determine newly-built routes that are *no regrets* and most *feasible* within available budget
- Determine routes for dark fiber IRUs within remaining budget
- In addition, determine joint-build portions of MM network within remaining budget

Final CDT decisions for all MM network segments within \$3.2B budget (minus contingency):

- 18 Initial Projects
- Newly built fiber routes
- Dark Fiber IRU routes
- Joint build routes
- Equipment and facilities

STATEWIDE MAP

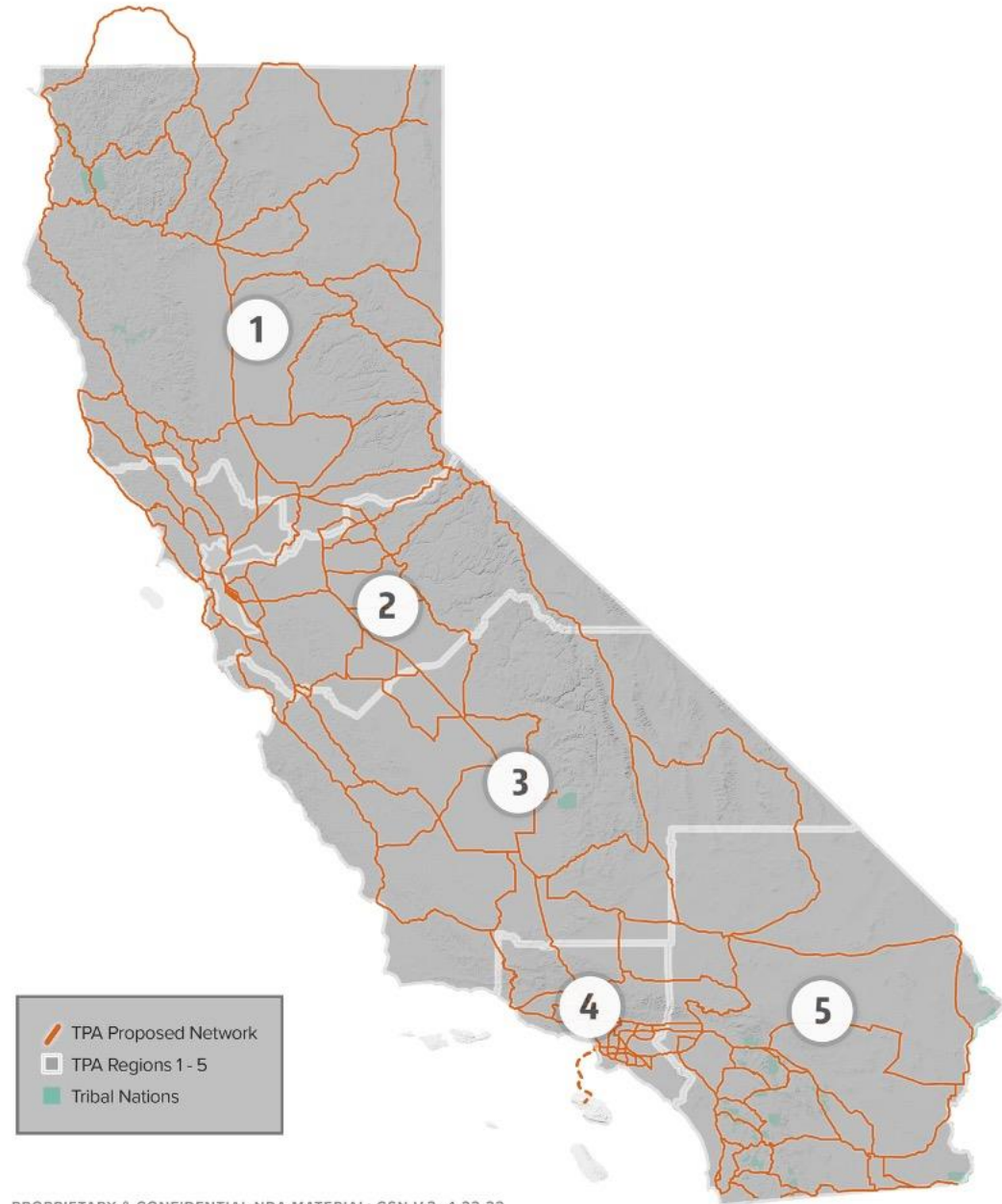
Region 1: Caltrans Districts 1, 2, 3

Region 2: Caltrans Districts 4, 9 (portion), 10

Region 3: Caltrans Districts 5, 6, 9 (portion)

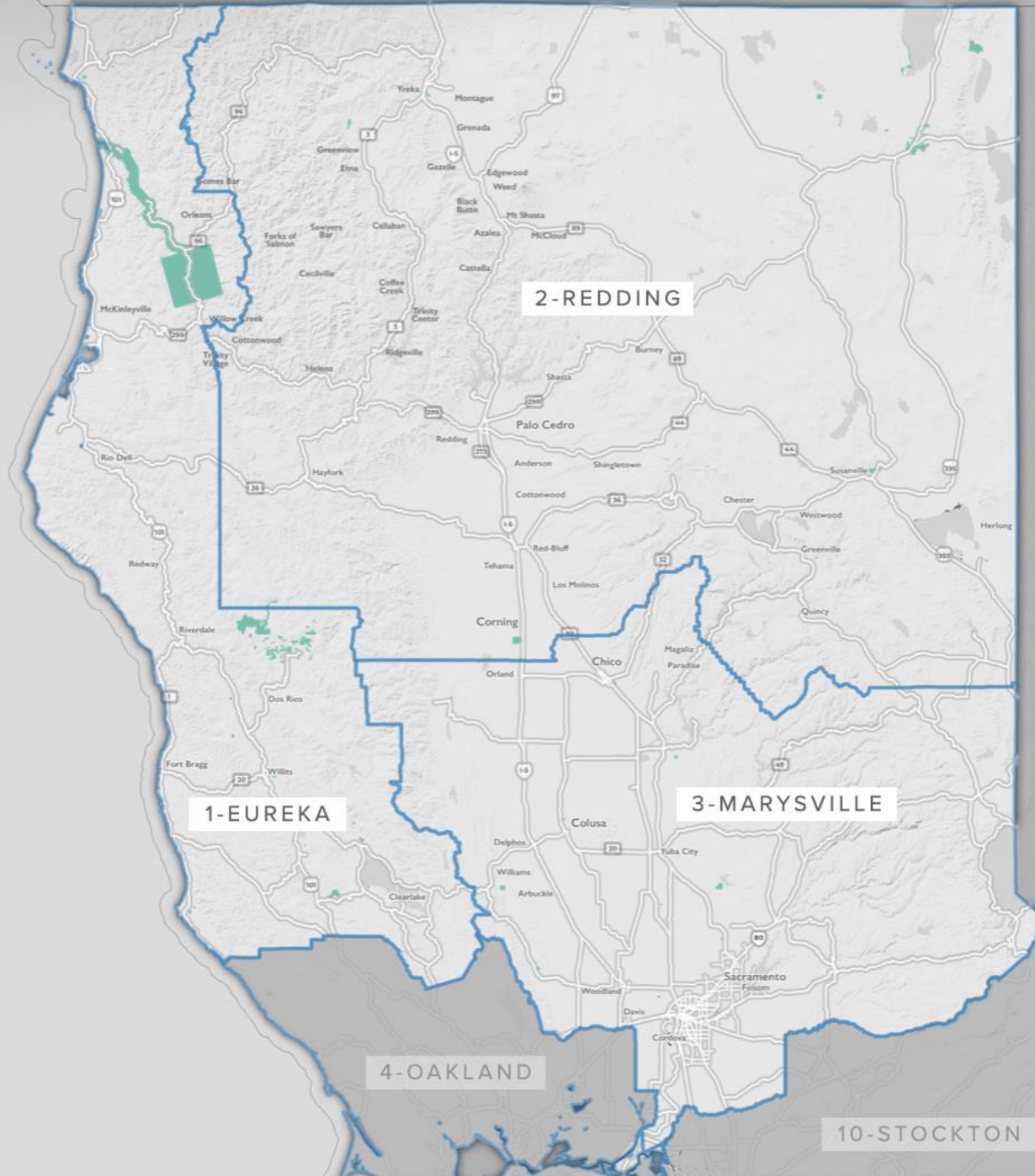
Region 4: Caltrans Districts 7, 12

Region 5: Caltrans Districts 8, 11



REGION 1

- State & National Highways
- Tribal Nations
- Caltrans Districts

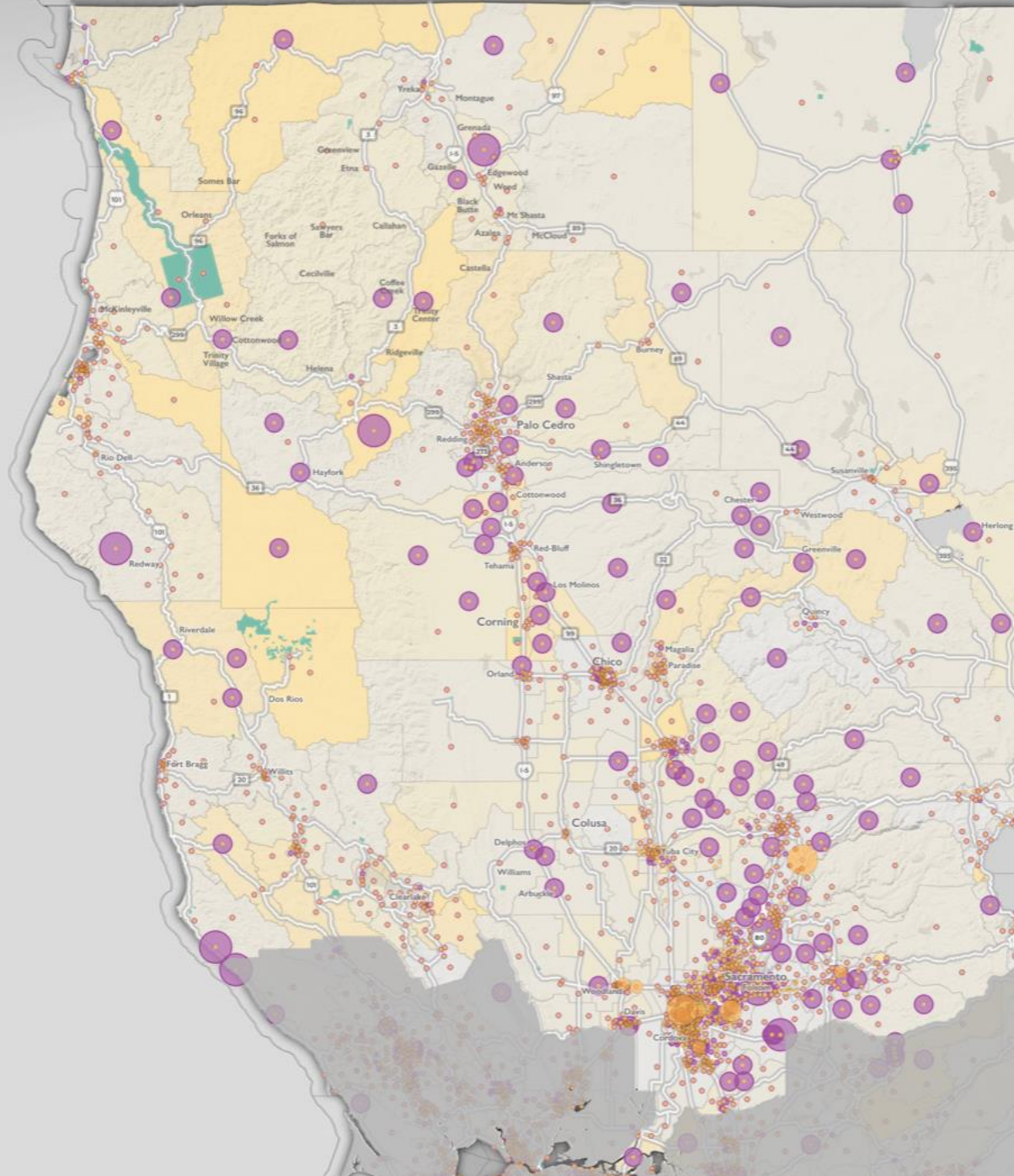


LEGEND

- State & National Highways
- Tribal Nations
- Caltrans Districts
- Initial 18 TPA Projects
- CalREN Backbone
- Recommended Hut Locations
- TPA Proposed Network
- CPUC Anchor Builds

REGION 1

- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential

- > 2,000 - 5,574
- > 1,500 - 2,000
- > 1,000 - 1,500
- > 500 - 1,000
- > 1 - 500



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

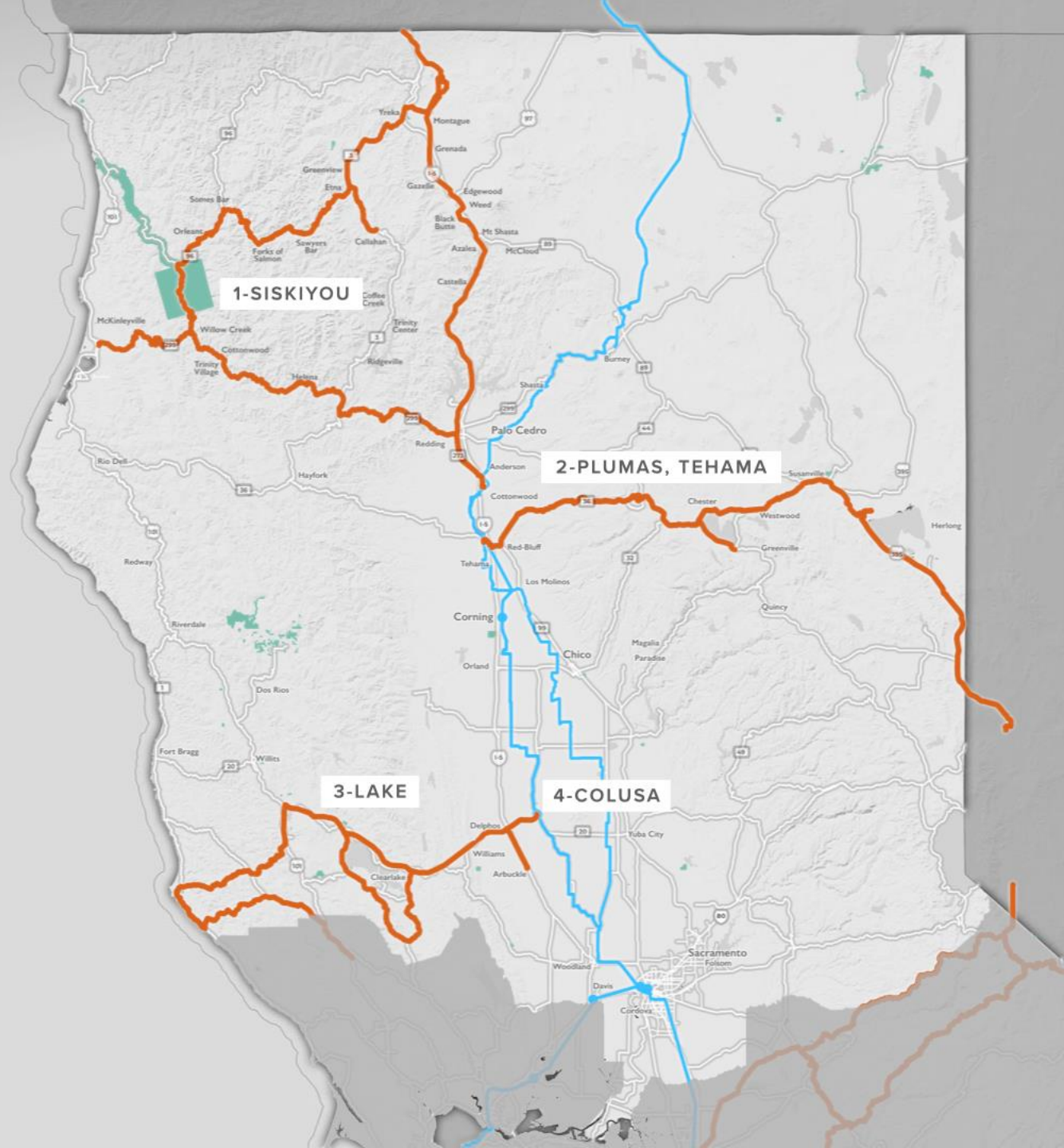
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REGION 1

- Initial TPA Projects - 1/31/22
- CalREN Backbone

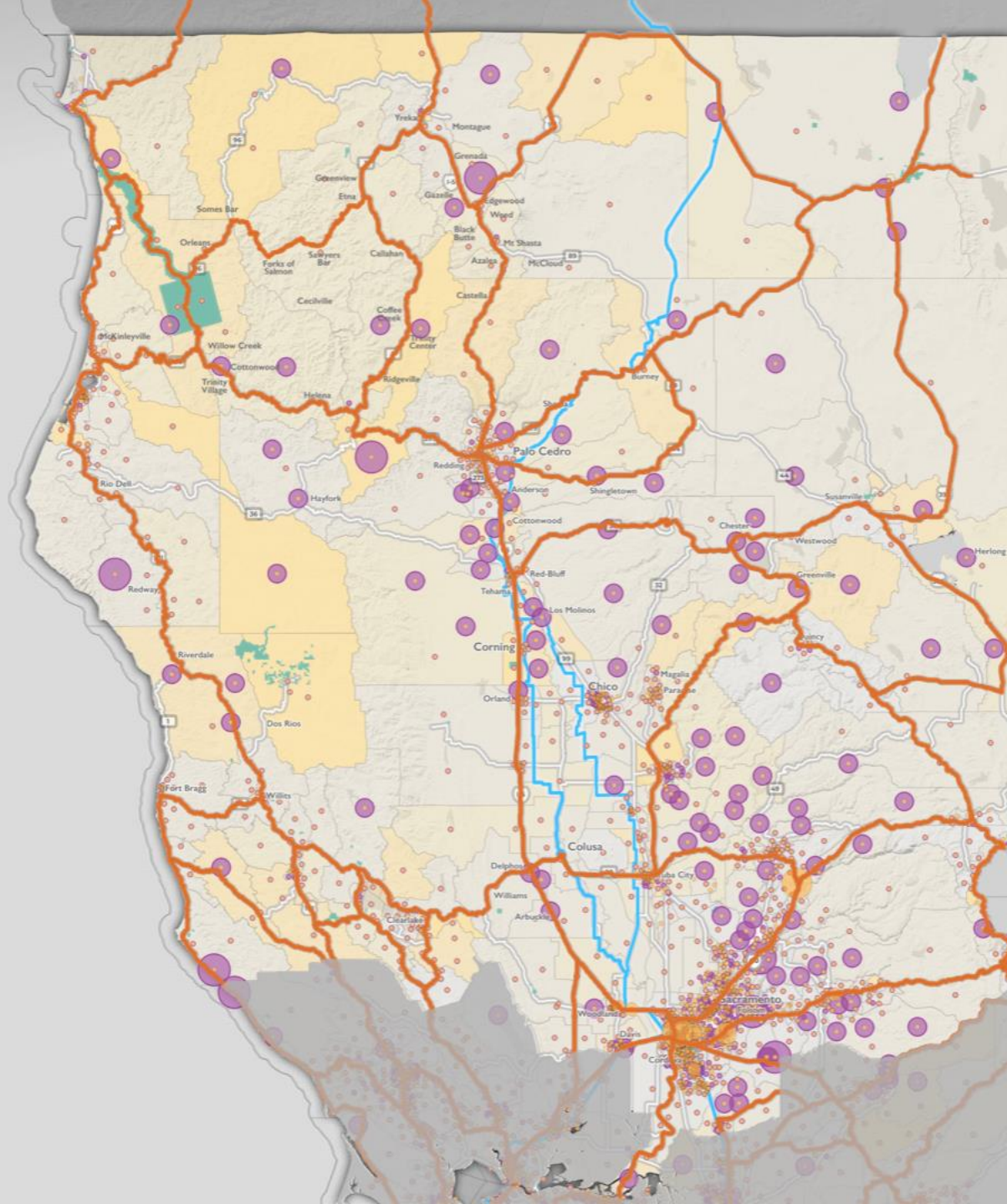


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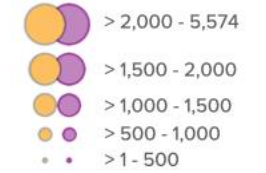
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REGION 1

- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

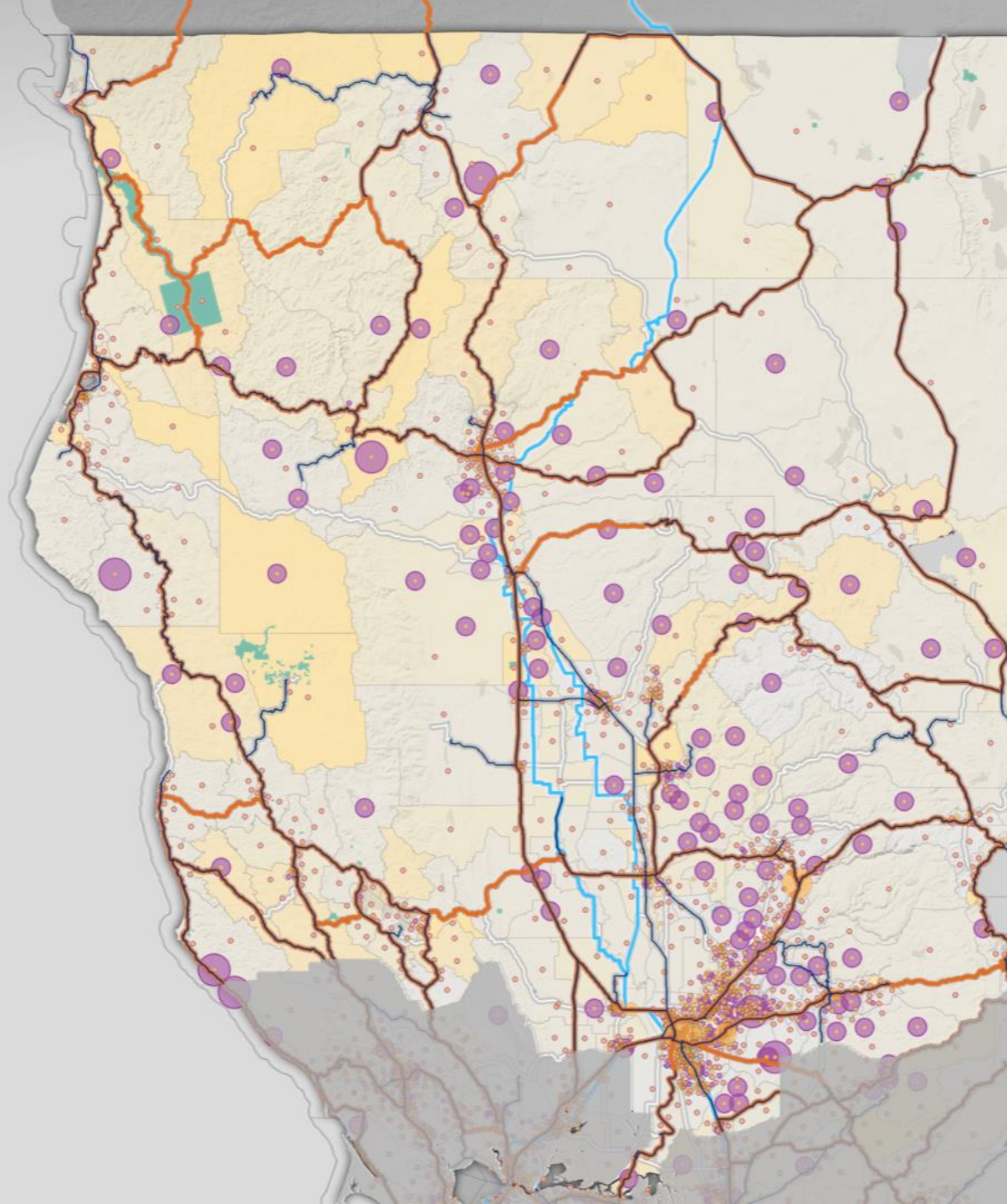
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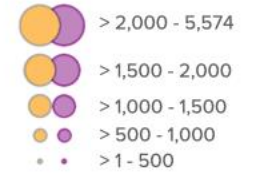


REGION 1

- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line
- CPUC Anchor Builds



Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

LEGEND

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REGION 1: KEY HIGHLIGHTS

Geographic/Environmental:

- Vastly underserved area of the state
- Prone to catastrophic outages, fire hazard zone

Population:

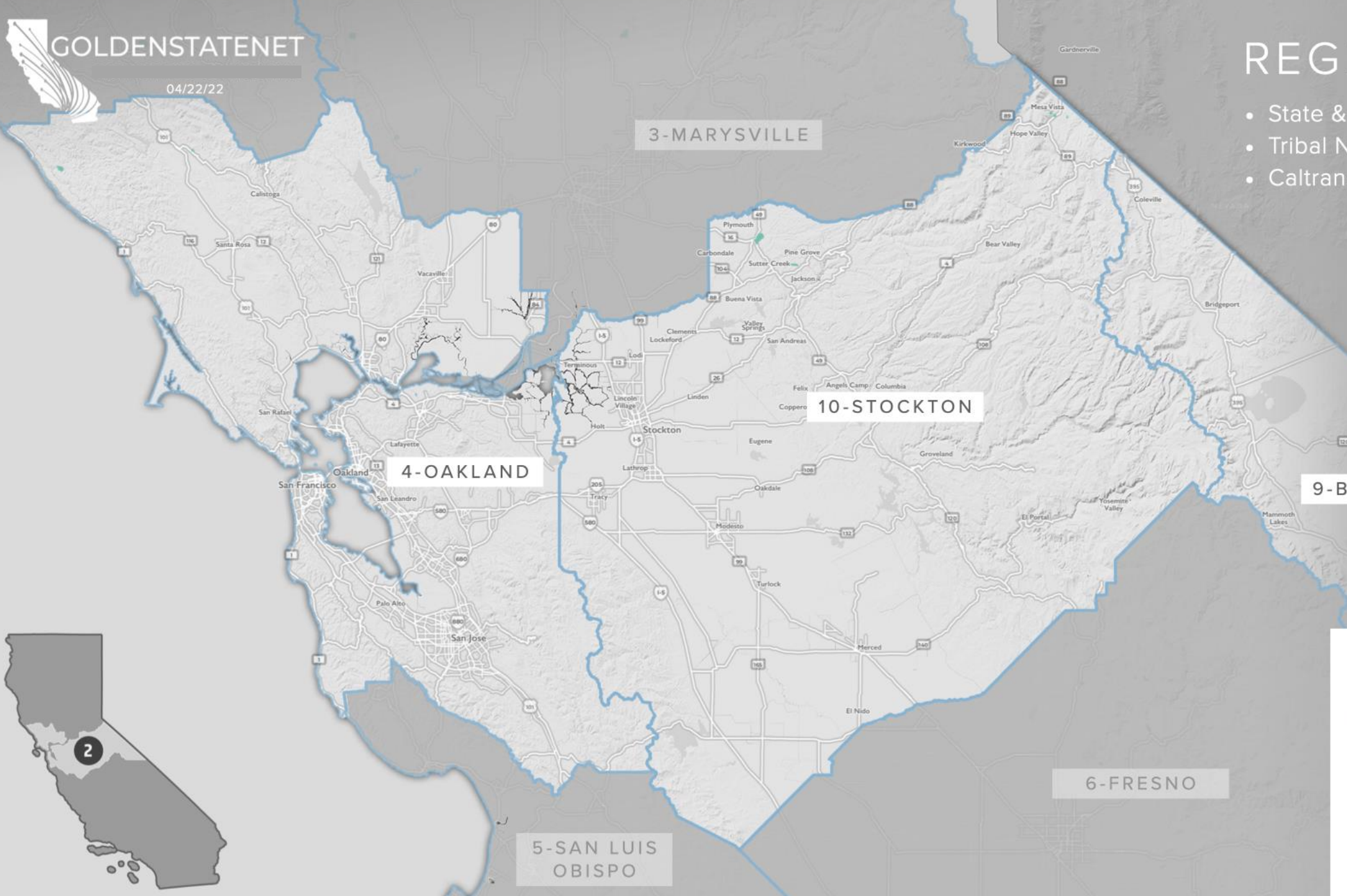
- Includes California's two largest Tribal Nations: Hoopa Valley Tribe and Yurok Tribe

Technical/Business-related:

- First collaborative effort with a small local exchange carrier - Siskiyou Telephone
- Opportunity for cooperation and collaboration with Tribal Nations to build resiliency and connectivity within the region.
- Minimal availability of existing fiber to support IRUs.

REGION 2

- State & National Highways
- Tribal Nations
- Caltrans Districts

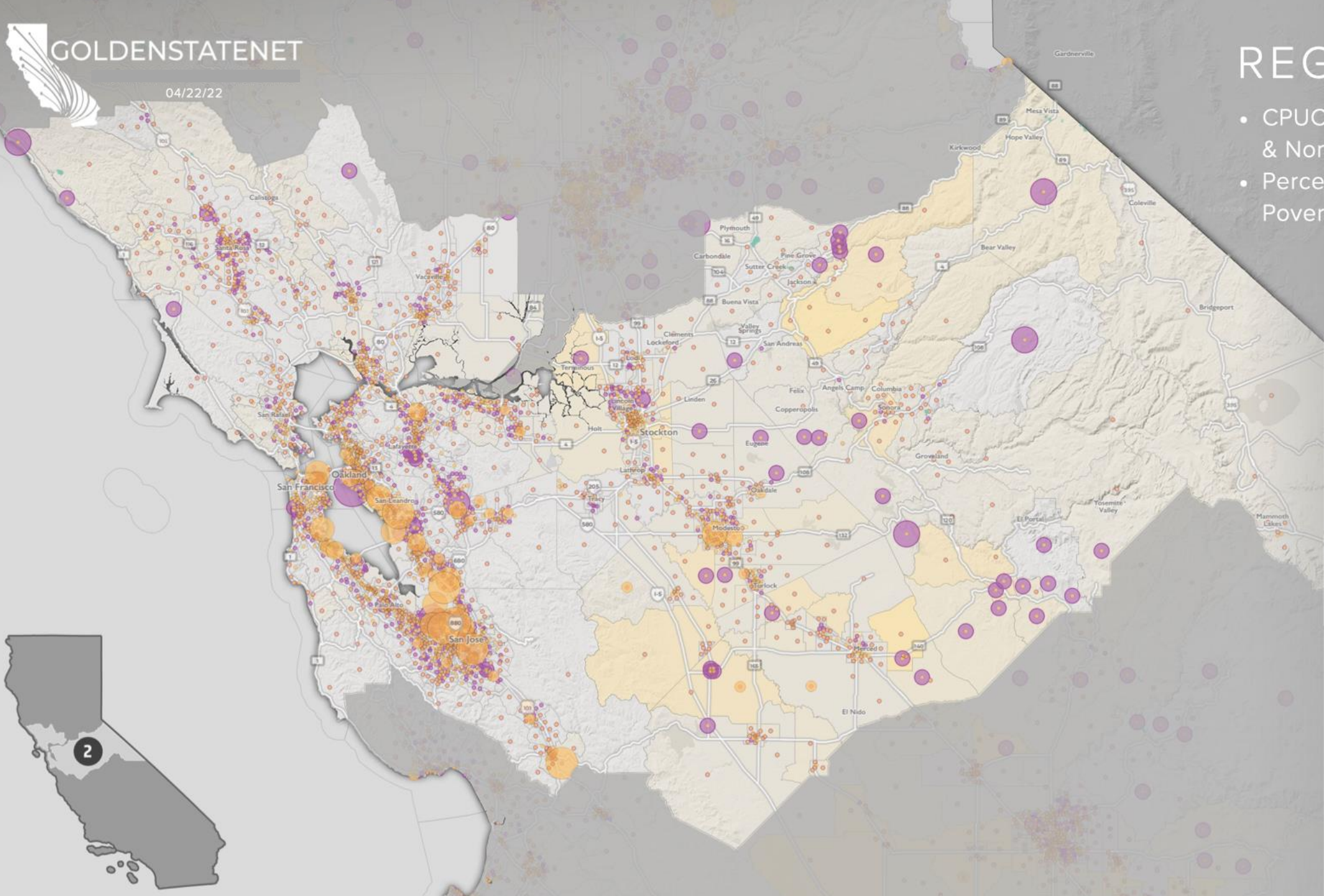


LEGEND

- State & National Highways
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- Initial 18 TPA Projects
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REGION 2

- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential

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- > 1,500 - 2,000
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Percent Households Below Poverty Line

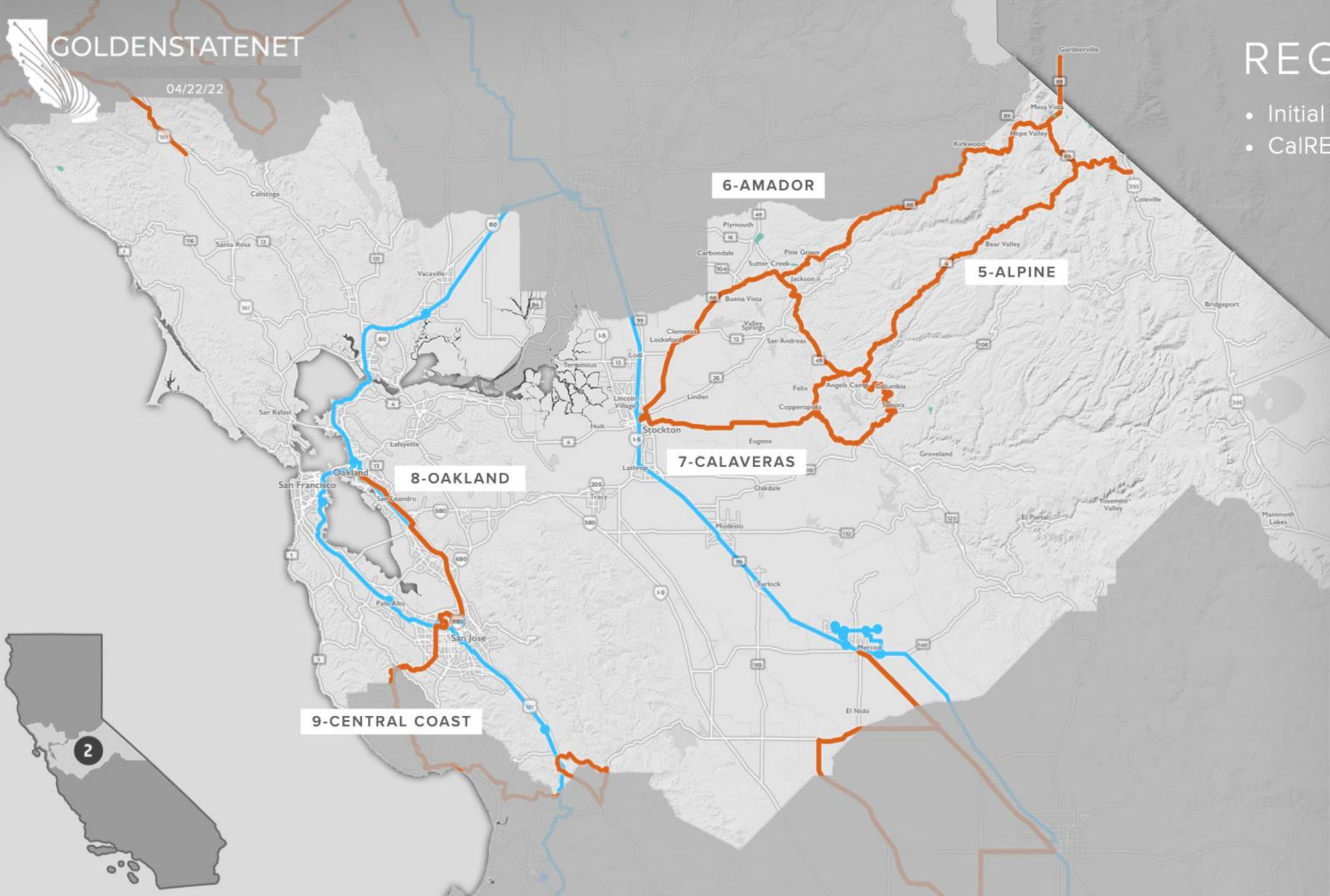
Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

LEGEND

- ▬ State & National Highways
- Tribal Nations
- ▬ Caltrans Districts
- ▬ Initial 18 TPA Projects
- ▬ CalREN Backbone
- ◆ Recommended Hut Locations
- ▬ TPA Proposed Network
- ▬ CPUC Anchor Builds

REGION 2

- Initial TPA Projects - 1/31/22
- CalREN Backbone



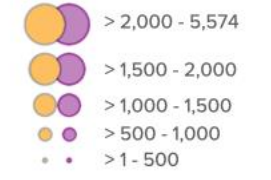
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REGION 2

- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line

Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

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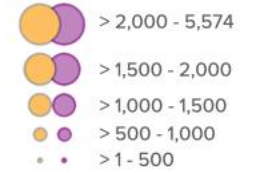
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REGION 2

- CPUC Anchor Builds
- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line

Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

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REGION 2: KEY HIGHLIGHTS

Geographic/Environmental:

- Includes densely populated urban areas and sparsely populated mountainous regions.
- Certain areas considered high risk fire hazard zones.

Population:

- Service affordability will be key due to socioeconomic factors in parts of the region.

Technical/Business-related:

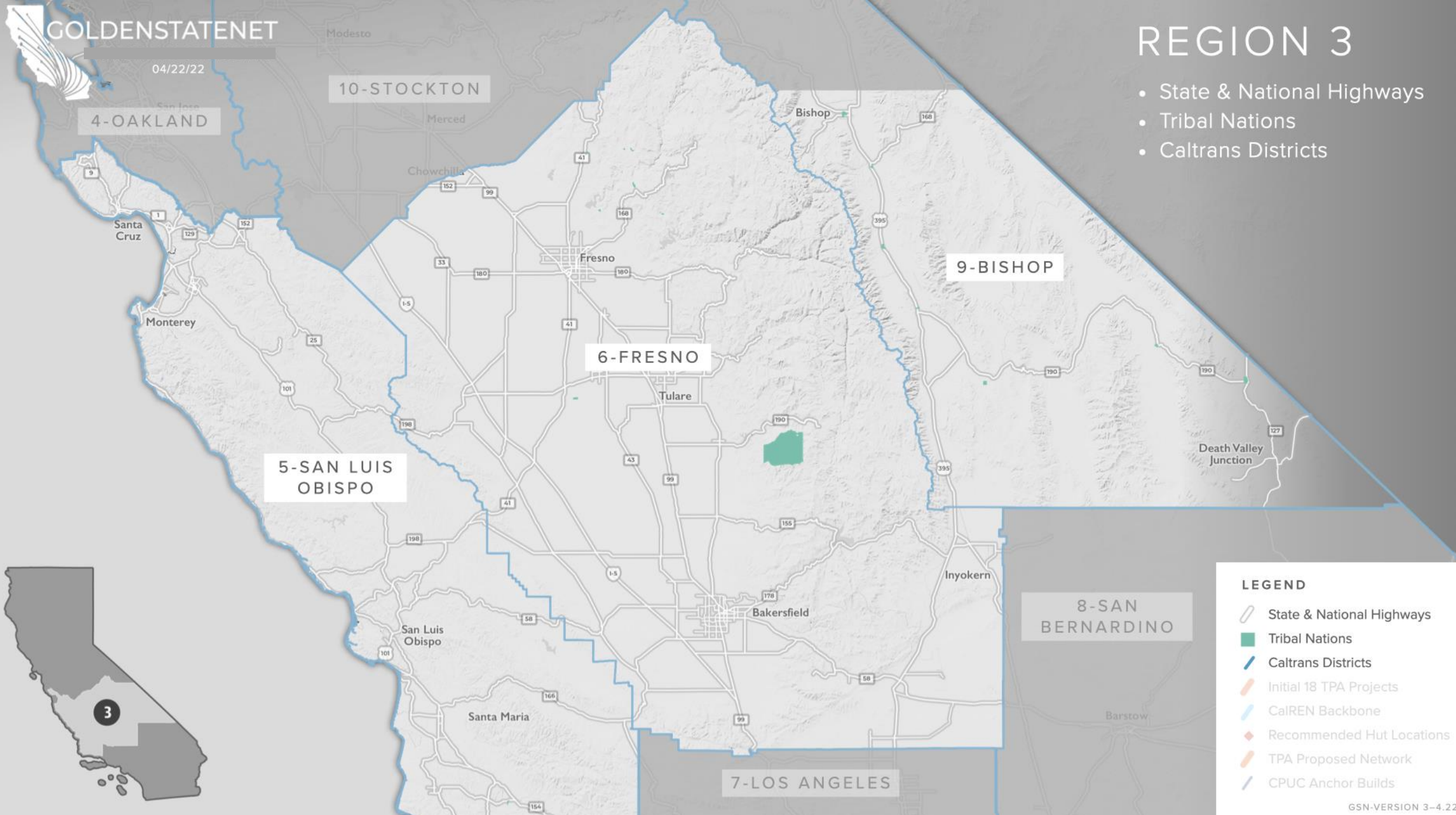
- Significant joint build opportunities.
- May require further analysis with federal partners on some routes.
- Varies from CPUC recommendations in a few locations.
- Eastern parts of the region lack Caltrans ROW and may require further evaluation.

GOLDENSTATE NET

04/22/22

REGION 3

- State & National Highways
- Tribal Nations
- Caltrans Districts



4-OAKLAND

10-STOCKTON

9-BISHOP

6-FRESNO

5-SAN LUIS OBISPO

8-SAN BERNARDINO

7-Los Angeles



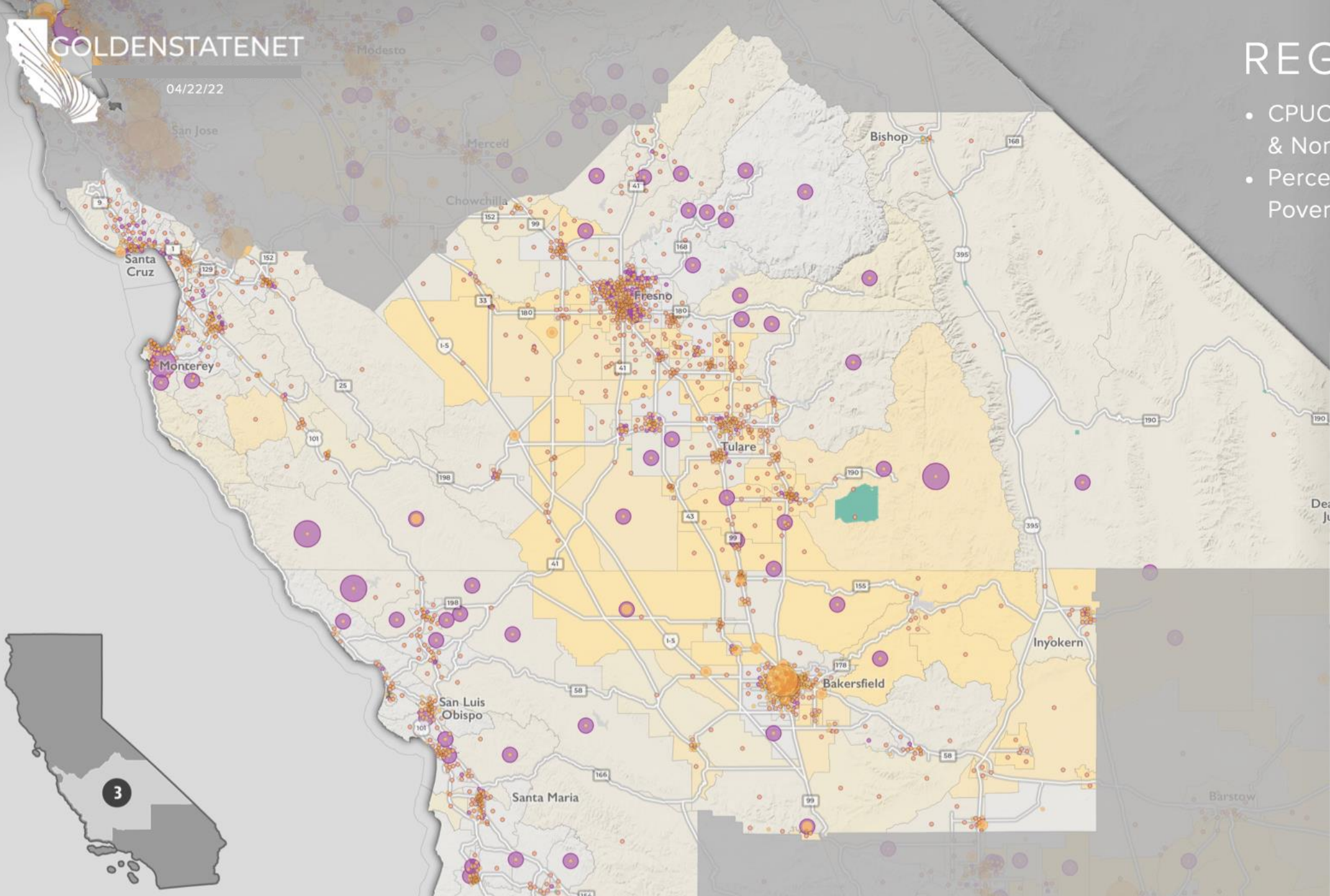
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04/22/22

REGION 3

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- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential

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Percent Households Below Poverty Line

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04/22/22

REGION 3

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9-CENTRAL COAST

10-WEST FRESNO

11-INYO

12-KERN

13-SAN LUIS OBISPO/KERN

LEGEND

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04/22/22

REGION 3

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- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential

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Percent Households Below Poverty Line

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- CPUC Anchor Builds
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REGION 3: KEY HIGHLIGHTS

Geographic/Environmental:

- Includes densely populated urban areas and sparsely populated mountainous regions.
- Certain areas considered high risk fire hazard zones.

Population:

- Forthcoming opportunities for Tule River Tribal Nation with ongoing engagement.
- Service affordability will be key due to socioeconomic factors in parts of the region.

Technical/Business-related:

- Significant joint build opportunities.
- Existing commercial infrastructure for IRU potential solutions.
- Eastern parts of the region lack Caltrans ROW and may require further evaluation.

6-FRESNO

5-SAN LUIS OBISPO

REGION 4

- State & National Highways
- Tribal Nations
- Caltrans Districts









7-LOS ANGELES

8-SAN BERNARDINO

12-IRVINE

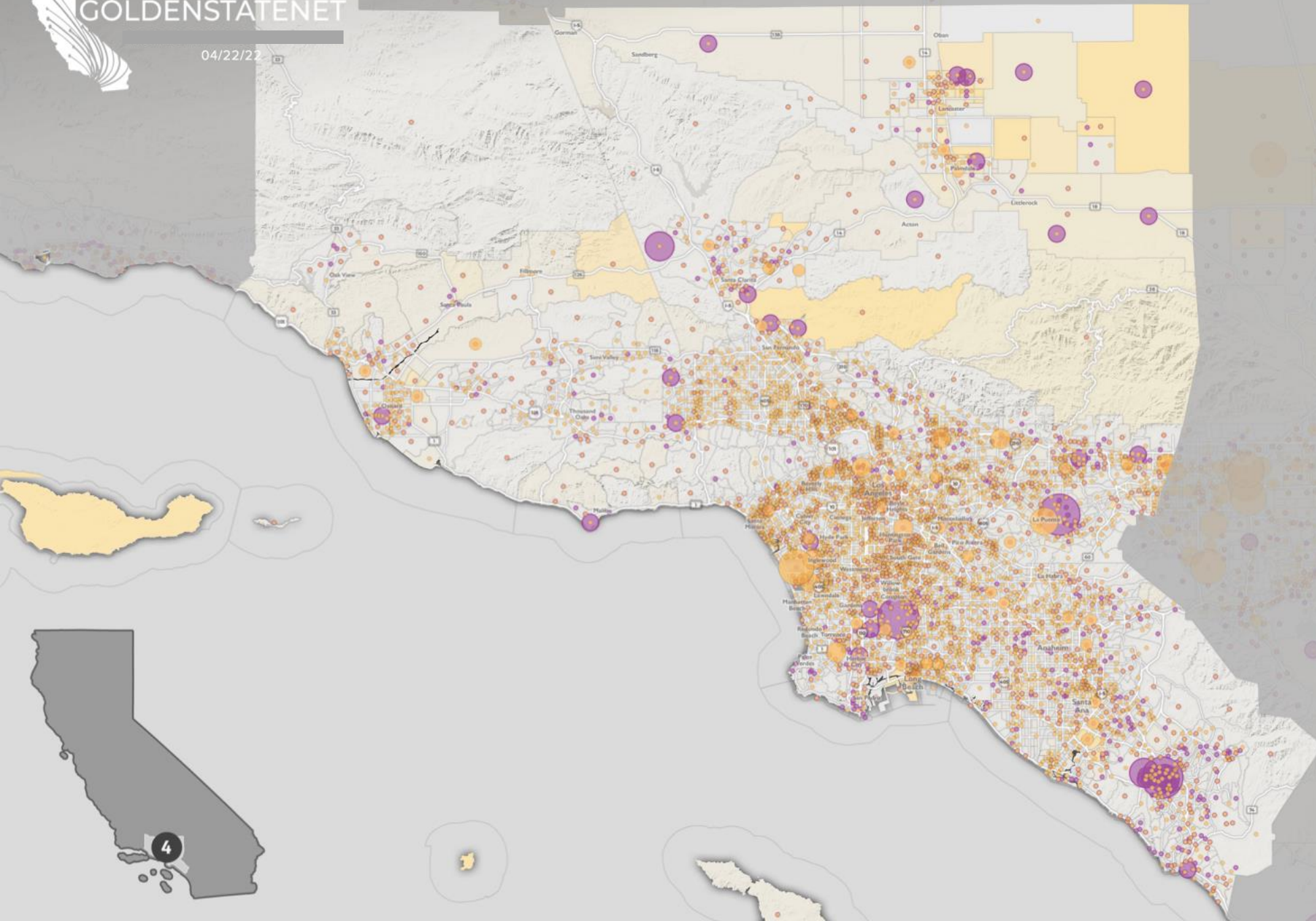
11-SAN DIEGO

LEGEND

-  State & National Highways
-  Tribal Nations
-  Caltrans Districts
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REGION 4

- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



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Percent Households Below Poverty Line

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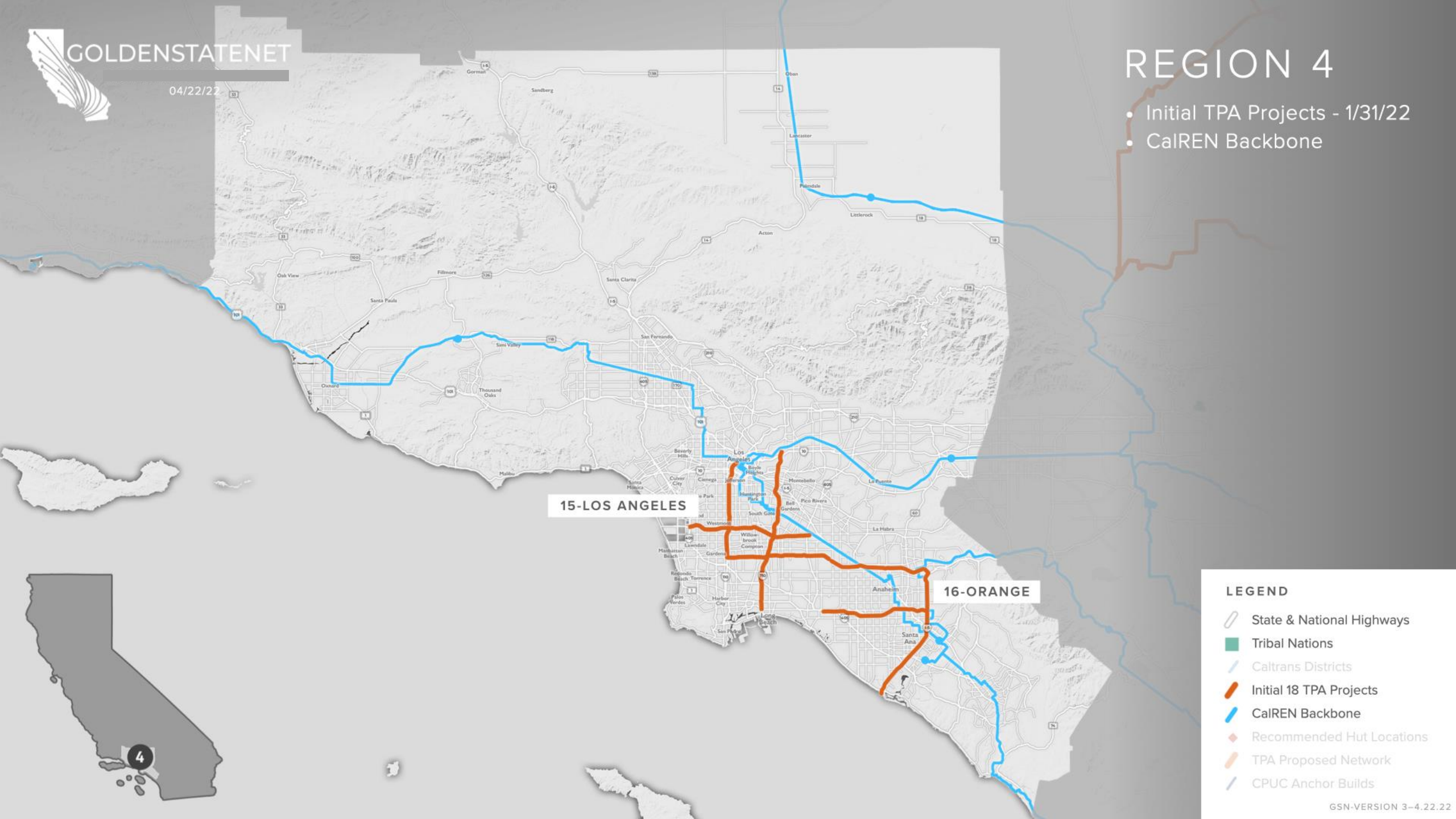
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REGION 4

- Initial TPA Projects - 1/31/22
- CalREN Backbone



15-LOS ANGELES

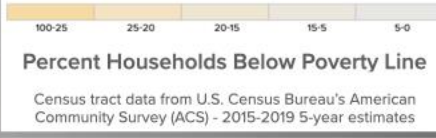
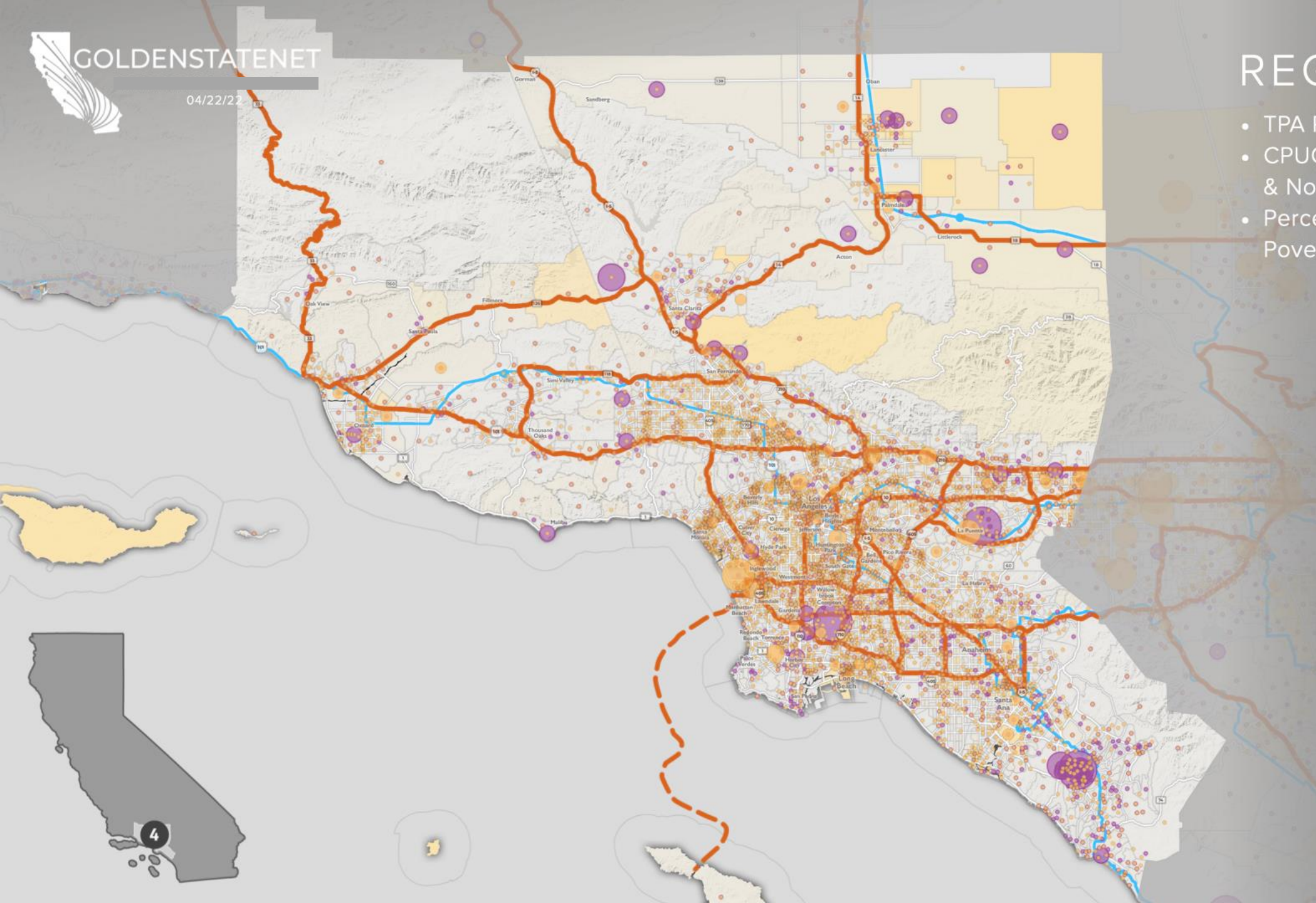
16-ORANGE

- LEGEND**
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REGION 4

- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



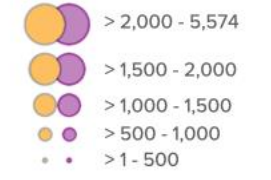
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REGION 4

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Unserved Residential & Unserved Non-Residential



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REGION 4: KEY HIGHLIGHTS

Geographic/Environmental:

- Portions of region are densely populated urban areas.
- Further analysis required for Catalina Island.

Population:

- Service affordability will be key due to socioeconomic factors in parts of the region.

Technical/Business-related:

- Significant joint build opportunities.
- Multiple telecom carriers and considerable existing fiber in some areas create opportunities for IRU alternatives.
- Northeast area of the region lacks Caltrans ROW and may require further evaluation.



9-BISHOP

6-FRESNO

7-LOS ANGELES

12-IRVINE

8-SAN BERNARDINO

11-SAN DIEGO

REGION 5

- State & National Highways
- Tribal Nations
- Caltrans Districts

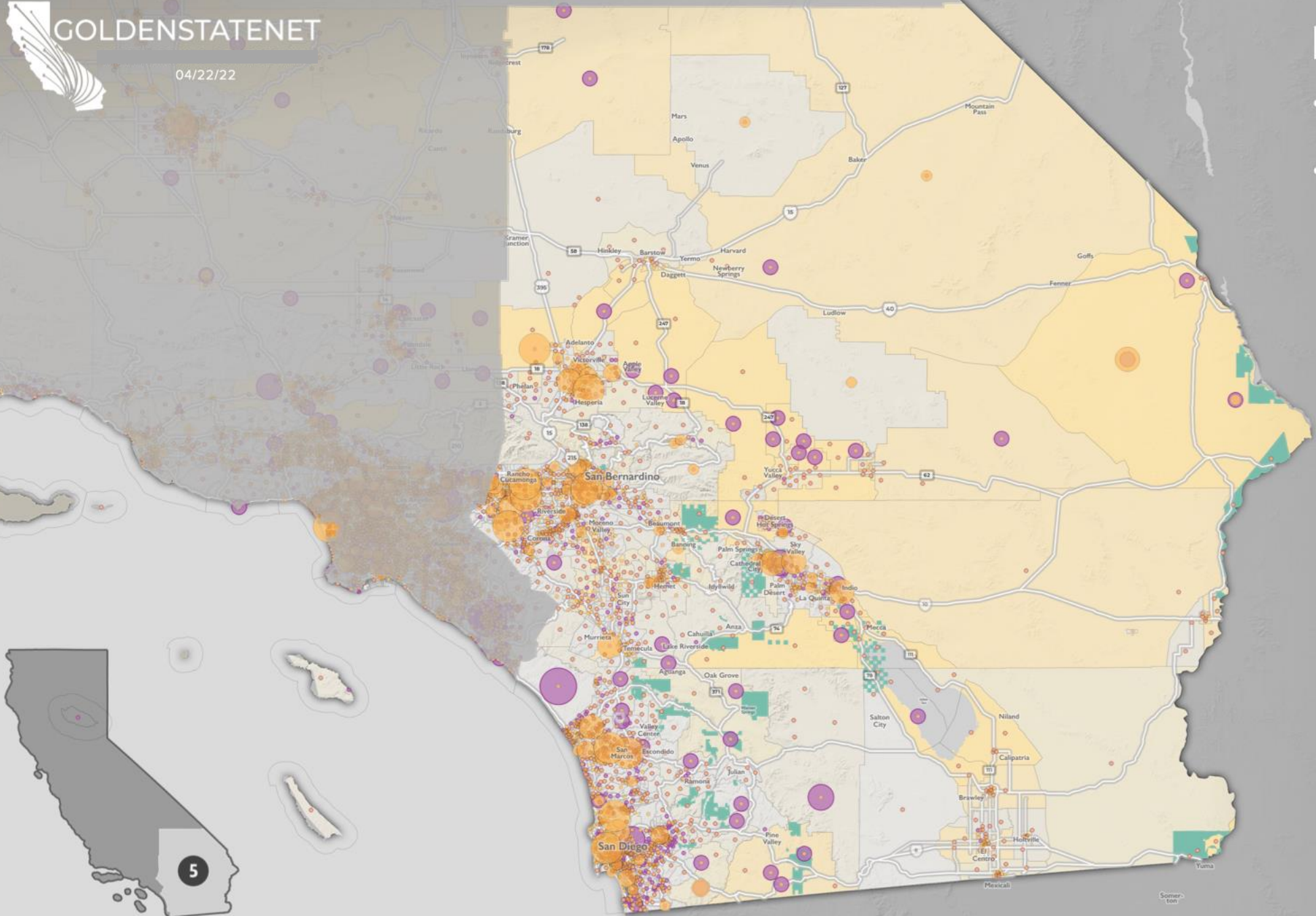


LEGEND

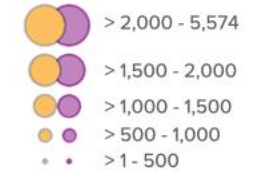
- State & National Highways
- Tribal Nations
- Caltrans Districts
- Initial 18 TPA Projects
- CalREN Backbone
- Recommended Hut Locations
- TPA Proposed Network
- CPUC Anchor Builds

REGION 5

- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line



Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

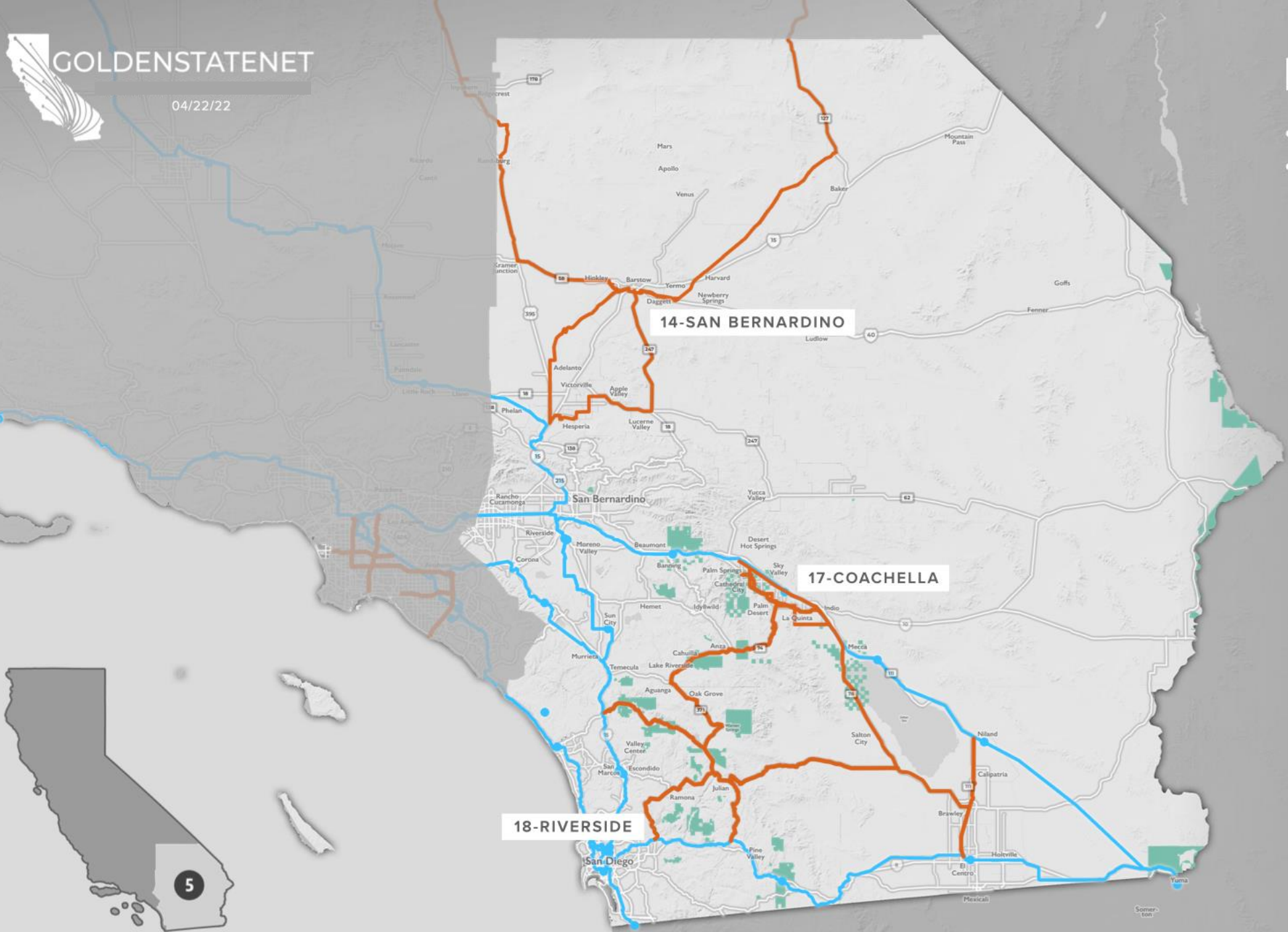
Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

LEGEND

- State & National Highways
- Tribal Nations
- Caltrans Districts
- Initial 18 TPA Projects
- CalREN Backbone
- Recommended Hut Locations
- TPA Proposed Network
- CPUC Anchor Builds

REGION 5

- Initial TPA Projects - 1/31/22
- CalREN Backbone



14-SAN BERNARDINO

17-COACHELLA

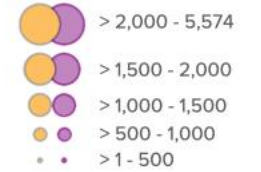
18-RIVERSIDE

- LEGEND**
- State & National Highways
 - Tribal Nations
 - Caltrans Districts
 - Initial 18 TPA Projects
 - CalREN Backbone
 - Recommended Hut Locations
 - TPA Proposed Network
 - CPUC Anchor Builds

REGION 5

- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line

Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

LEGEND

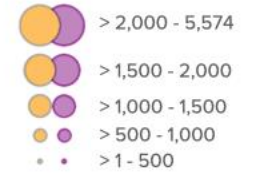
- State & National Highways
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REGION 5

- CPUC Anchor Builds
- TPA Proposed Network
- CPUC Unserved Residential & Non-Residential
- Percent Households Below Poverty Line

Unserved Residential & Unserved Non-Residential



Percent Households Below Poverty Line

Census tract data from U.S. Census Bureau's American Community Survey (ACS) - 2015-2019 5-year estimates

LEGEND

- State & National Highways
- Tribal Nations
- Caltrans Districts
- Initial 18 TPA Projects
- CalREN Backbone
- Recommended Hut Locations
- TPA Proposed Network
- CPUC Anchor Builds



REGION 5: KEY HIGHLIGHTS

Geographic/Environmental:

- Includes densely populated urban areas as well as desert regions prone to extreme heat.

Population:

- Significant number of Tribal Nations in the region will be positively impacted by suggested routes.
- Service affordability will be key due to socioeconomic factors in parts of the region.

Technical/Business-related:

- Significant opportunities to connect to other major Internet hubs in the West.
- Multiple telecom carriers and considerable existing fiber in some areas create opportunities for IRU alternatives.

OVERVIEW MAP

- TPA Proposed Network



Mark Monroe

Deputy Director, Middle-Mile Broadband Initiative
California Department of Technology

Important Next Step

- CDT plans to complete its review and analysis of this map.
- CDT will provide a final initial “build” map to Caltrans to begin its systemwide preconstruction work.

Benefits:

- Caltrans can start the clock on the 18-24 months of preconstruction work needed before construction can begin.
- Caltrans can develop and refine its cost estimates to inform build and lease decisions.

Going forward:

- GSN will continue developing a map of existing infrastructure that can be leased using IRUs.
- CDT will determine how much the state can afford to build and how much will need to be leased.

Eileen Odell

**Advisor to Commissioner Darcie L. Houck
California Public Utilities Commission**



Last Mile Initiatives and Supporting Programs

1. Broadband Technical Assistance - \$50 million total**

- Purpose: Help prepare local governments & Tribes for broadband infrastructure investments.

2. Loan Loss Reserve - \$750 million

- Purpose: enable local governments & nonprofits to secure financing for broadband infrastructure.

3. Federal Funding Account - \$ 2 billion

- Purpose: Funding for last-mile broadband infrastructure projects.

4. California Advanced Services Fund (CASF) ~up to \$150 million per year

- Purpose: assist with broadband infrastructure deployment & adoption in public housing, Tribes, & unserved areas.

Middle-Mile Locations

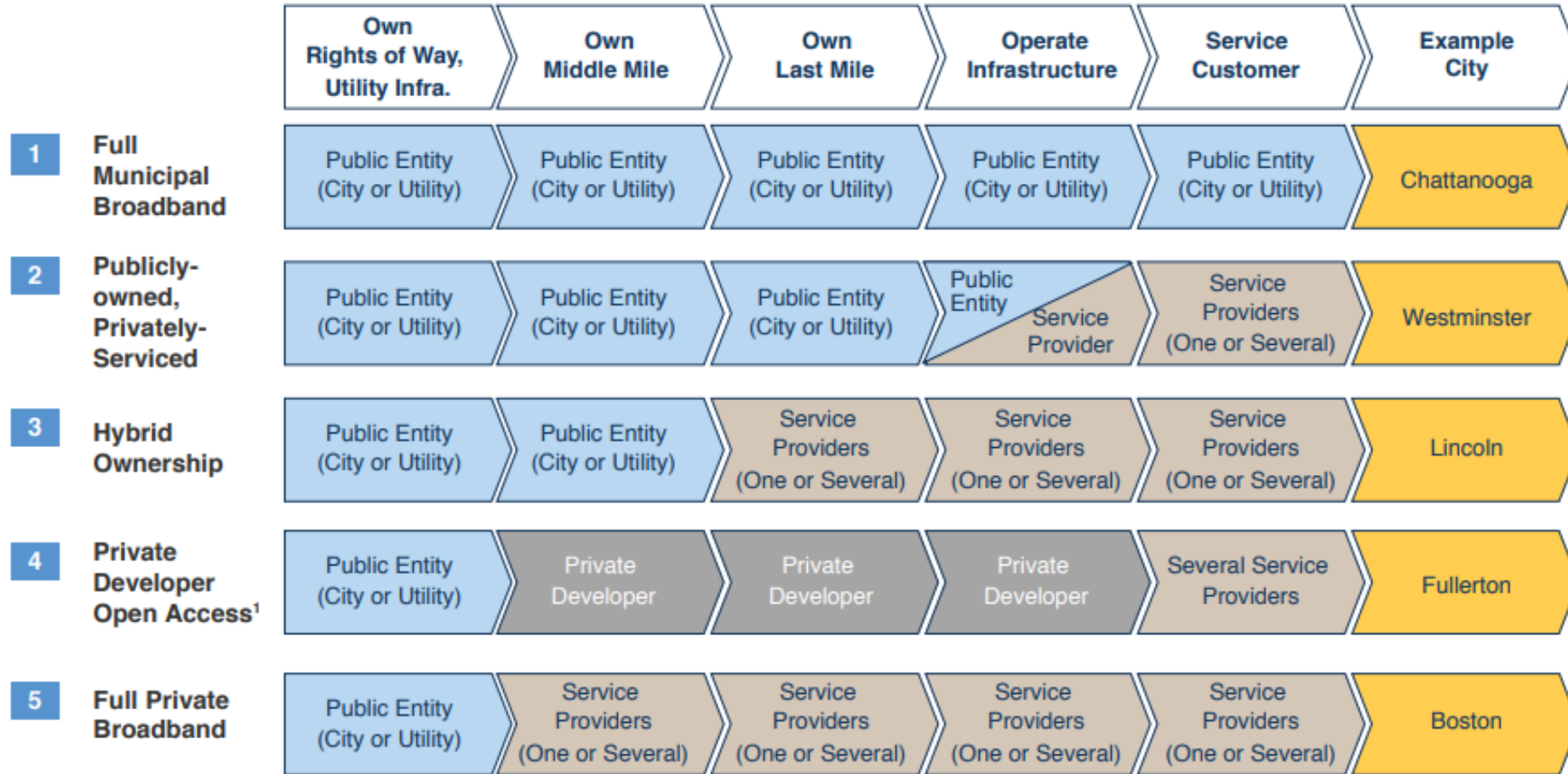
- Identify routes & priority areas using public process.
- Report mapping & analysis to the California Department of Technology for use in program implementation & project development.

* May be increased pursuant to Public Utilities Code Section 281(d)(4)

** Included in \$2 billion Last-Mile Initiative

Public Broadband Models

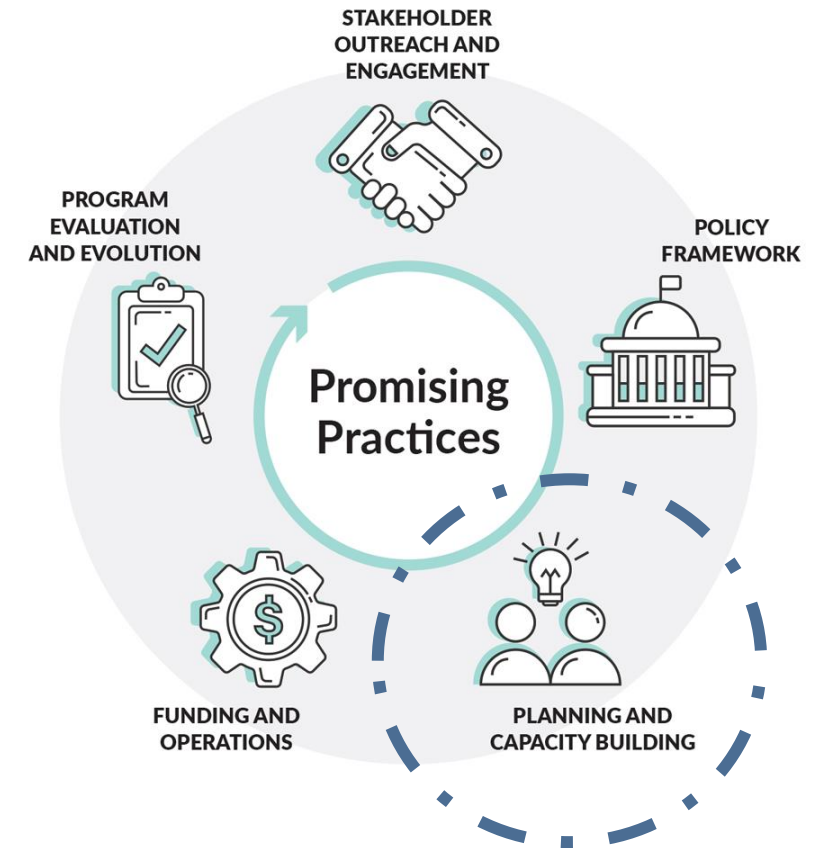
City Main Business Model Options for Broadband Expansion



Note: 1) Private Developer is defined as private company that builds, owns and operates the network infrastructure and offers open access to it to several retail SPs that provide service on the top

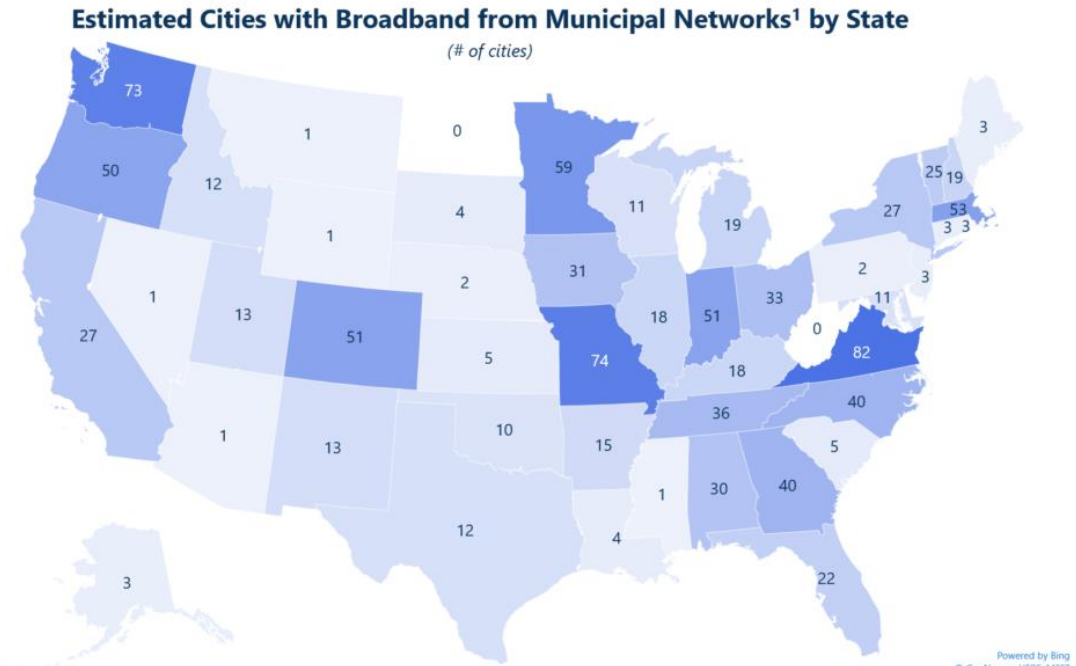
Local Agency Technical Assistance

- **\$50 million** for **technical assistance grants** to local agencies and Tribes.
- Funding can be used for public entity or consultant costs to create **Joint Powers Authorities**, and for other costs to prepare to deploy broadband infrastructure, including for **environmental** permitting, **engineering**, and **design** activities.
- **Timing** - Applications June-July 2022.
- **Actions** - identify your needs and prepare to apply May through July 2022.
- [More information](#)



Loan Loss Reserve Fund

- **\$750 million** Loan Loss Reserve Fund to support development of public broadband networks.
 - A form of **credit enhancement**, or a type of insurance, that helps lenders control for the risk that loans will not be repaid. This new funding will provide collateral to local governments for bond financing.
 - [The US Department of Energy operates a similar loan loss reserve program.](#)
- CPUC [Rulemaking 20-08-021](#)
- **Timing** – proposal for input by August 2022, comments and workshops to follow.
- **Actions** – engage in the implementation and consider becoming a party to the proceeding to inform program rules that meet your needs.

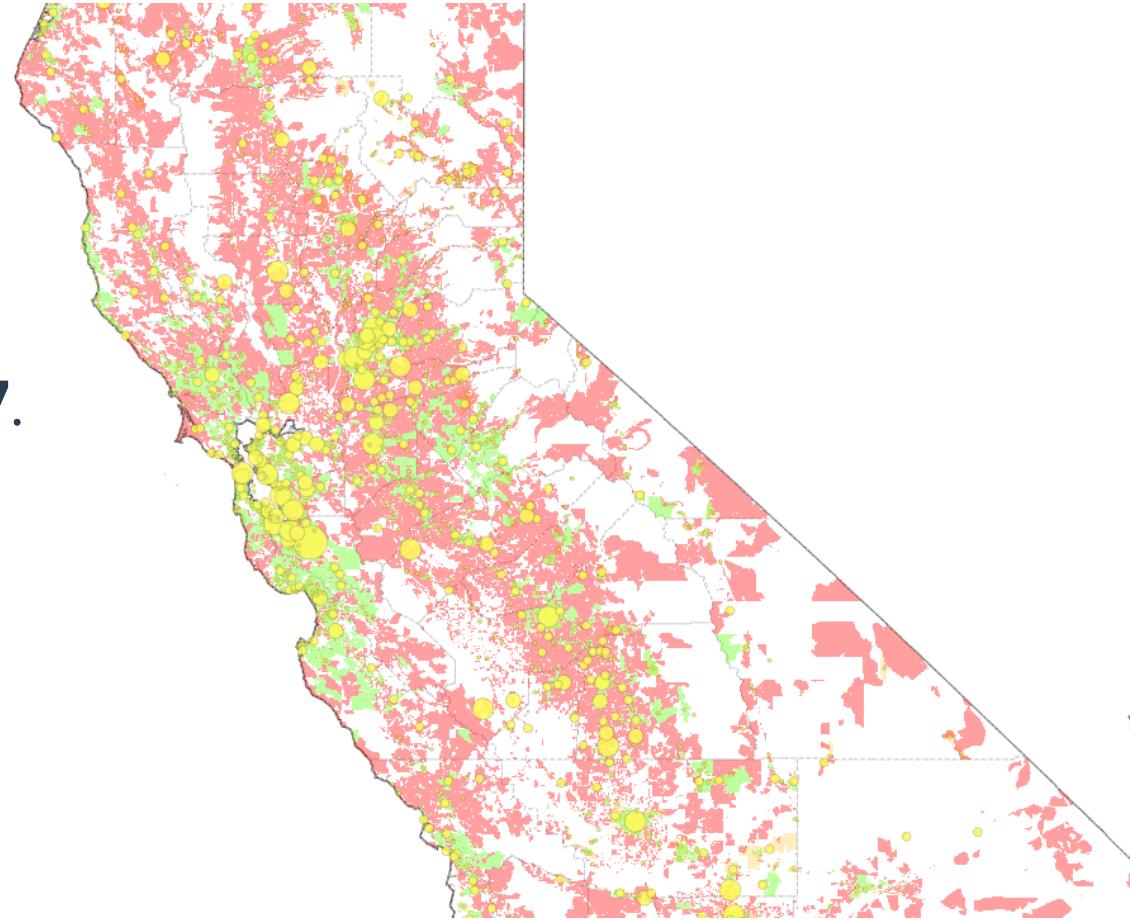


Sources: Form 477, US Census Data, Muninetworks.org Expert Interviews, AV&Co. Research & Analysis

Source: [Altman Solon](#)

Last Mile Federal Funding Account

- The new \$2 billion [Federal Funding Account](#) is for last-mile broadband infrastructure grants.
- These funds must be encumbered by the **2025** federal deadline, and spent (i.e., projects built) before **2027**.
- **Timing** – Targeting applications before July 2022.
- **Action** – get ready to apply or to support those who will apply to provide service to your constituencies.

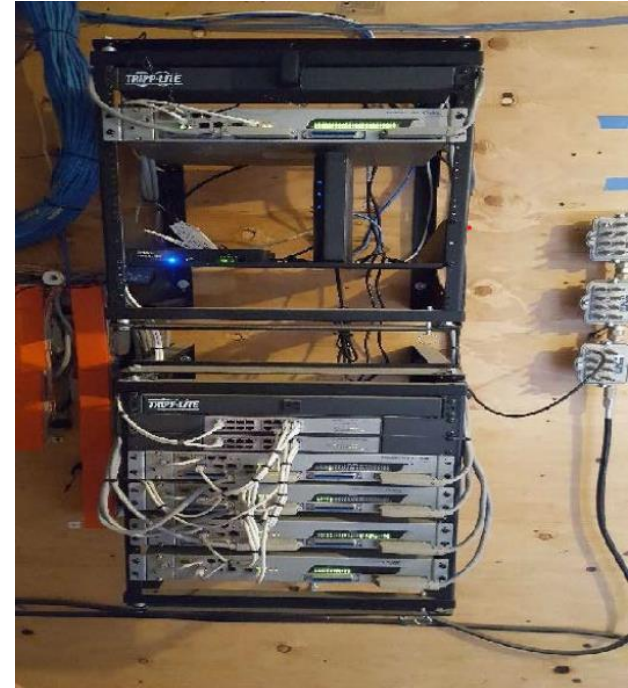


Adoption, Consortia, & Infrastructure Broadband Grants

- Broadband Adoption, Consortia, and Infrastructure grants are supported by the [California Advanced Services Fund \(CASF\)](#) broadband grant program. Up to **\$150 million** a year funded by a surcharge on telephone bills
 - Broadband Adoption Grants
 - Broadband Consortia Grants
 - Broadband Infrastructure Grants
- **Timing** - updated rules for Adoption, Consortia, and Housing as soon as May 19; applications in June/July. Proposal on Infrastructure expected before end of second quarter 2022.
- **Action**
 - Engage on the implementation of the Broadband **Adoption, Consortia**, and **Public Housing** Program Updates in Rulemaking 20-08-021.
 - [Become a party](#) to the Rulemaking.
 - Join the mailing list for funding availability (email CASF_Adoption@cpuc.ca.gov)
 - Watch for the CASF budget allocation of amounts across the subaccounts (Adoption, Consortia, Infrastructure, and Public Housing)

Broadband Public Housing Account

- The revamped [Broadband Public Housing Account Grants](#) will provide grants to connect qualifying low-income housing, such as publicly supported housing communities, with infrastructure to provide free internet service.
- **Timing** – Targeting applications in June/July 2022.
- **Action** – Assess broadband needs of publicly support housing communities. Prepare applications or support entities that will apply.



CASF Public Housing Account project
Housing Authority of the County of Kern –
Green Gardens Main Distribution Frame
room

Thank You

contact: statewidebroadband@cpuc.ca.gov



California Public
Utilities Commission

Deployment of Anza Electric's CASF Connect Anza
project, Riverside County

Sunne McPeak

President & CEO

Susan E. Walters

Senior Vice President

California Emerging Technology Fund

ACP Presentation

- Overview
- California Broadband Council Plan of Action
- Tracking Enrollment by County and Zip Code
- Call to Action

Affordable Connectivity Program Overview

Benefit: \$30 per month,

Or \$75 per month if the HH is on Tribal Land

Eligibility for a member of the Household: Lifeline, Medi-Cal, CalFresh, CEP/NSLP, Veterans Benefits, WIC, Tribal TANF, Pell Grant

Application: Everyone except Lifeline participants

California Broadband Council Plan of Action

Goal: 5 Million Households Enrolled

- 90% by 2025 4,500,000
- 95% by 2027 4,750,000

Households Enrolled As of 4/18: 1,407,718

Plan of Action

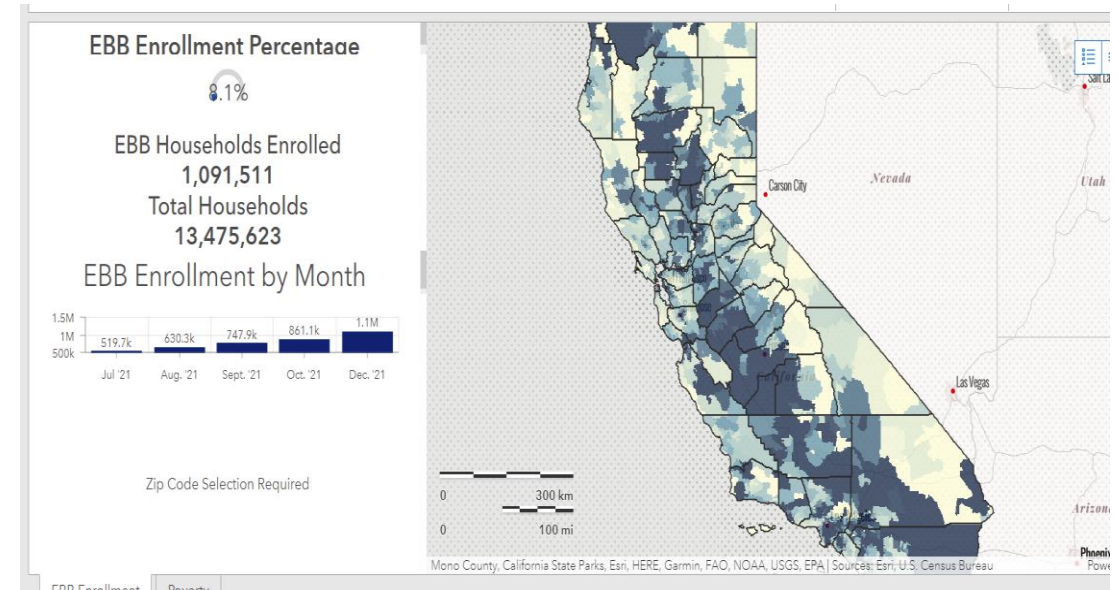
- Review Goals During Roundtables on the Broadband Plan
- Engage and Mobilize ISPs to Promote ACP in Ads (Raise Awareness)
- Enlist Qualifying State Agencies to Promote to Participants (Credible Source)
- Distribute ACP Info to Local Governments (Credible Source)
- Partner with CBOs (Trusted Messengers)
- Provide Information with Legislators to Share with Constituents

Performance for Emergency Broadband Benefit (EBB) and ACP

Key Observations

- 1M HHs enrolled in EBB December 2021
 - 30% for Home Internet (estimate)
 - More are eligible but paying market rate
 - 5 months of EBB sign-ups equaled the number of people on Lifeline (subsidy for mobile Internet)
-
- US 11,587,052 April 18 Enrollment
 - CA 1,407,718 April 18 Enrollment
 - 12% of U.S. Sign Ups
 - 28% of CA 5M Goal Set by CBC

California Enrollment Map from CSU Chico and CETF



Conduct Awareness Campaigns with a Call to Action

Speakers will Discuss ACP Promotion Options

- San Diego Organizing All Hands on Deck
- Oakland Undivided Connecting Everyone
- Fresno State's Call Center Supporting the State
- Los Angeles Boosted Enrollment by 44%

Themes

- Use Paid and Earned Media, Social Media, County Depts, Printed Collateral
- Engage Partners: CBOs and Local Government Partners
- Multiple Languages In All Media
- Virtual Training for Department Staff
- Call Center Support

Call to Action from Today

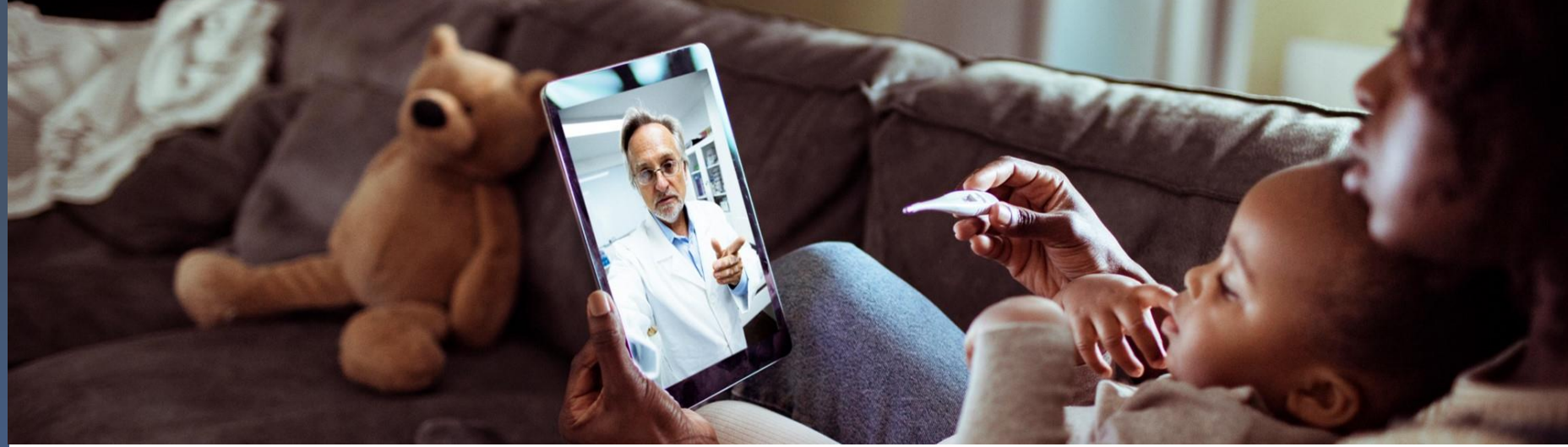
- Collaborate Regionally to Increase Awareness With a Concerted Plan (by all means)
- Advertise as Creditable Source (state/county agencies)
- Engage Community with Trusted Messengers

Krystal Ayala

Senior Partnerships Strategist

SANDAG

Get Connected Campaign



AFFORDABLE, RELIABLE INTERNET ACCESS CAN HELP YOU CONNECT

WITH:

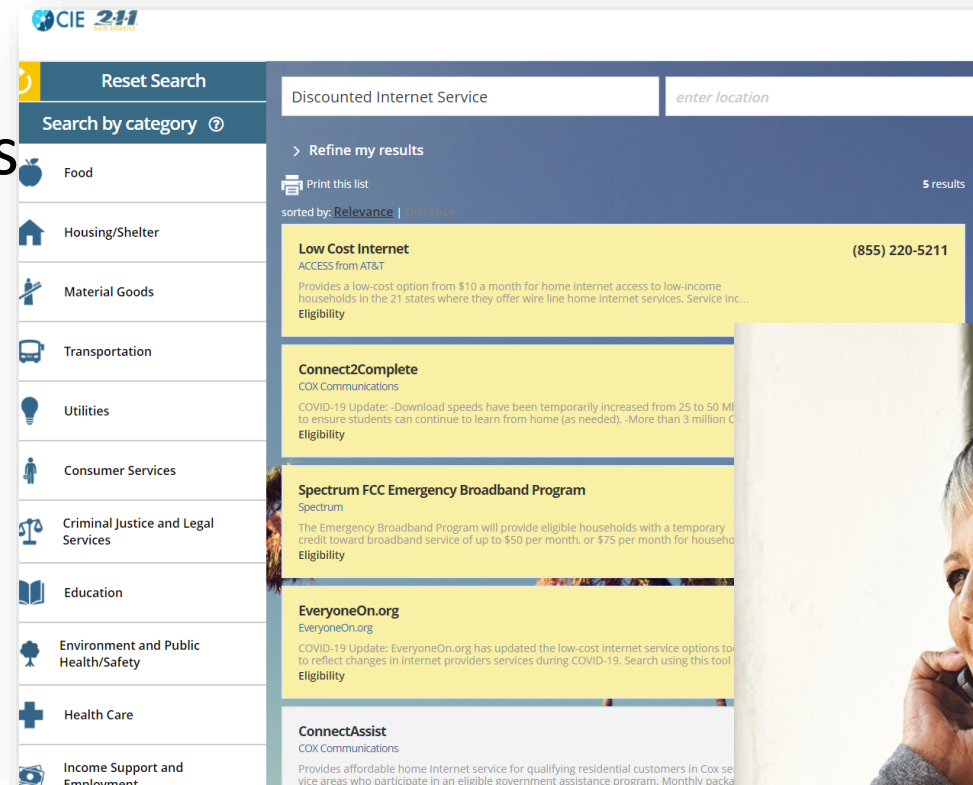
- Job opportunities
- Education resources
- Banking services
- Virtual healthcare appointments
- Community resources
- Transportation services
- Friends and family

LEARN HOW TO CONNECT:

- Learn about a monthly internet discount through the federal Affordable Connectivity Program.
- Access free Wi-Fi at hundreds of locations across the region.
- Check out a laptop from your local library to get connected today.
- Purchase a low-cost computer or get free digital training from the San Diego Futures Foundation.
- Explore resources to connect to the internet by visiting GetConnected.SANDAG.org or calling 2-1-1.

211 San Diego

- 211 San Diego is the region's trusted source for information and connections to community, health, and disaster resources
- Free, 24/7 service, 3-digit dialing code
- Provides referrals to specific resources
 - Internet services
 - Public WiFi sites
 - Discounted computers
 - Technology education and training



Outreach Strategy



Print Distribution



Community Event Participation

<p>EVERYONE COUNTS. EVERYONE BELONGS.</p> <p>The government uses census data to decide how \$15 billion is distributed every year to fund education, transportation, health care, social services and housing.</p>	<p>TODOS SOMOS PARTE DE LA COMUNIDAD.</p> <p>El gobierno utiliza los datos del censo para decidir cómo se distribuyen en el país \$15,000 millones de dólares cada año para financiar escuelas, transporte, atención médica, servicios sociales y vivienda.</p>	<p>人人参与，人人受益。</p> <p>政府需要使用人口普查数据来决定每年 1.5 万亿资金的用途，从而为教育、交通、医疗健康、社会服务和住房提供资助。</p>
<p>YOUR PERSONAL INFORMATION IS 100% CONFIDENTIAL.</p> <p>Every person living at your address should be counted on the same census form regardless of their age or relationship to you. Don't forget children under five or the people living in accessory dwelling units!</p>	<p>SU INFORMACIÓN PERSONAL ES 100% CONFIDENCIAL.</p> <p>Cada persona que viva en su domicilio debe incluirse en el mismo formulario de censo, independientemente de su edad o relación con usted. No se olvide de los bebés o las personas que viven en unidades separadas de la casa!</p>	<p>您的个人信息将被完全保密。</p> <p>与您居住在同一地址的每个人都应计入同一份人口普查表而不受年龄或与您关系的限制。五岁以下儿童或居住配套住宅 (ADU) 的人员也包括在内!</p>

Direct Mail



Advertising

SANDAG Youth Opportunity Pass
¡Jóvenes de hasta 18 años viajan gratis con PRONTO!

Toolkit Instructions - Read First!
SANDAG has teamed up with MTS, NCTD, and the County of San Diego to connect youth to school, jobs, entertainment, and more!

Jóvenes Toman Raite de fácil como contar

1. Consiga PRONTO
2. Alistase
3. Toma Su Raite

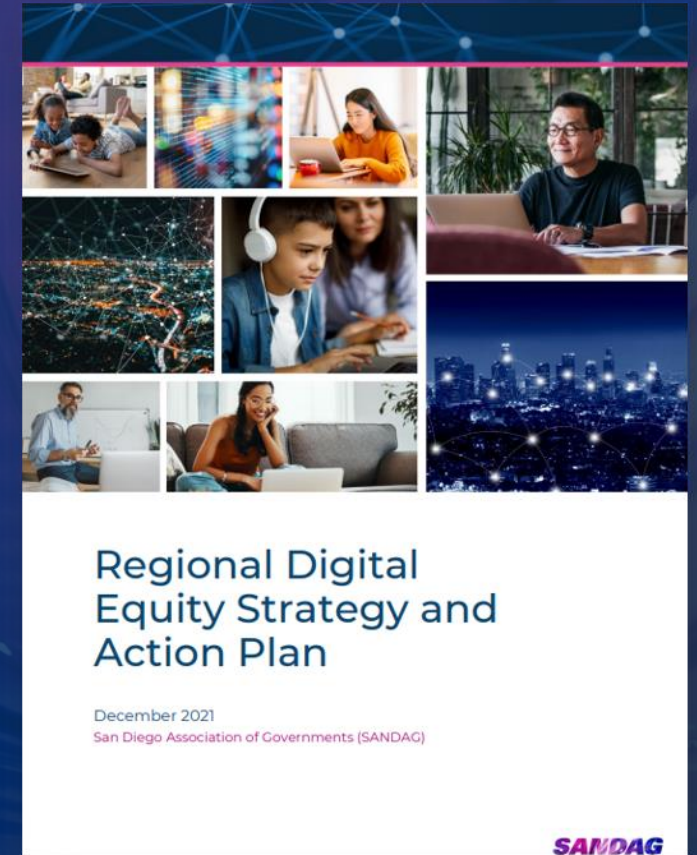
Partner Resource Toolkit

Stay connected with SANDAG

➤ Explore our website
[SANDAG.org/digitalequity](https://sandag.org/digitalequity)

🔍 Follow us on social media:
[@SANDAGregion](#) [@SANDAG](#)

✉ Email: krystal.ayala@sandag.org



SANDAG

Patrick Messac

Project Director

#OaklandUndivided

#OaklandUndivided Founding Partners



**OAKLAND UNIFIED
SCHOOL DISTRICT**
Community Schools, Thriving Students



Tech
Exchange



**CITY OF
OAKLAND**



Leadership Partners

All City Council • BlocPower • Clever • Common Sense Education • East Oakland Youth Development Center • Education for Change • EducationSuperHighway • Families in Action • Greenlining Institute • Homies Empowerment • Kapor Center • La Clínica de la Raza • Latino Education Network • Leadership Public Schools • Lighthouse Community Public Schools • NAACP • Oakland Housing Authority • OakWifi • OUSD Office of Equity • The Oakland REACH • Oakland Youth Advisory Commission • Scientific Adventures for Girls • Youth Uprising • 100 Black Men Bay Area

Community Endorsers

- **Elected Leaders:** Mayor Libby Schaaf, Council President Pro Tempore Sheng Thao, Councilmembers Loren Taylor, Treva Reid, Noel Gallo, and Dan Kalb, Alameda County Supervisor Nate Miley, OUSD School Board Directors Dr. Gary Yee and Dr. Cliff Thompson
- **Community Leaders:** Oakland Housing Authority Executive Director Patricia Wells, Former Student School Board Member Jessica Ramos, Unity Council CEO Chris Iglesias and Chief of Staff Karely Ordaz, Latino Education Network leader Jorge Lerma, Oakland NAACP President George Holland, Oakland Promise Senior Manager Dulce Torres-Petty, BlocPower CEO Donnel Baird, Homies Empowerment Co-Founder Dr. Cesar Cruz, The Oakland REACH Chief Program Officer Michael De Sousa, Tech Exchange Executive Director Seth Hubbert, Black Joy Parade CEO Elisha Greenwell, Nehanda Imara of the Black Cultural Zone, OUSD CTO Susan Beltz, and Kapor Center CTO Lili Gangas

Leverage Data & Funding through Trusted Institutions

Tech Check Survey

Simple Survey (Aeries Compatible)

Home Technology Access	
Household Computer Does your household own a computer? <i>(This does NOT include tablets, iPads, readers, Kindles, smartphones, etc.)</i>	<input type="radio"/> Yes <input type="radio"/> No
Student Computer for Schoolwork Does your student always have access to a computer at home for schoolwork? "Yes" means your student has their own computer, or always has access to a home computer. "No" means your student does not have their own computer, or does not always have access to a home computer.	<input type="radio"/> Yes <input type="radio"/> No
Home Internet Access for Schoolwork Does your student have internet at home that is fast enough to attend Zoom meetings for parent conferences and stream educational videos without interruption?	<input type="radio"/> Yes <input type="radio"/> No

Tech Check Link

TownLink Digital Access Survey

Thank you so much for participating in The Operating System's Digital Access Survey. As part of an effort to expand the digital divide, The Operating System is looking for ways to better serve the needs of all students, which includes access to essential, non-curricular devices and digital skills. The answers to these questions will help us determine the best ways to provide devices and digital skills training to our students.

If you have any questions, please reach out to Christine Phan at christine.phan@operating.org

Basic Information

1. Age

Below 10
 10-14
 15-19
 20-24
 25-29
 30-34
 35-39
 40 or older

2. What neighborhood do you live in?

Lake Merritt
 Lakeside District
 Fremont
 Grand Lake
 Grand Central
 East Oakland
 West Oakland
 Downtown
 Other

3. What is your gender?

4. What is your gender identity?

5. Which of the following describes you? Check all that apply.

Asian Native or American Indian
 Asian



TownLink Survey

URGENT: Apply for ROUND 3 of the Emergency Connectivity Fund (ECF)
 Due: **Friday, May 13th**

What is the Emergency Connectivity Fund?
 The Emergency Connectivity Fund provides funding for schools to bulk purchase

- laptops or tablets for home use, and
- reliable, at-home internet connection

for students who do not have sufficient access to learn from home. In Round 1 and 2, #OU supported Oakland charters gain access to **\$632,777 in funding**, and we're here to help again!

IMPORTANT: TWO YEARS OF BENEFIT in ECF Round 3! Applying for ECF could allow you to secure computers and internet for all unmet needs for the 22-'23 AND '23-24 school year and fulfill the pledge for two more years!

When is the application due?
 The third funding window will open from **Thursday, April 28, 2022**, through **Friday, May 13, 2022**. This might be the last round - don't delay!

ECF Promotional Collateral Example

CONGRATULATIONS! You have been selected to receive a FREE, family-owned, refurbished laptop from #OaklandUndivided and Tech Exchange.
This computer is for you to keep and use how you like!

¡Felicidades! Ha sido seleccionada para recibir una computadora portátil restaurada GRATIS de #Oakland Undivided y Tech Exchange. **¡Esta computadora es suya y la puede usar como guste!**

恭喜! 您被选中获得由 #Oakland Undivided 和 Tech Exchange 提供的免费家用翻新笔记本电脑。这台电脑将送给您，您想怎么用就怎么用。

"Xin chúc mừng! Quý vị đã được chọn để nhận một máy tính xách tay MIỄN PHÍ, do gia đình sở hữu, đã được tân trang lại từ #Oakland Undivided and Tech Exchange. **Quý vị có thể giữ máy tính này và tùy ý sử dụng!**

恭喜! 您被选中获得由 #Oakland Undivided 和 Tech Exchange 提供的免费家用翻新笔记本电脑。这台电脑将是您的，您可随意使用!

تھانیا! لقد تم اختيارك لتلقي آتني بشكل مجاني، كمبيوتر محمول "مجدد مملوك عائلتي من #OaklandUndivided". هذا الكمبيوتر مخصص لك لتحتفظ به وتستخدمه بالطريقة التي تتردها!

FREE SERVICES DỊCH VỤ MIỄN PHÍ 免费客服
 مجانية خدمات 免費客戶支援 SERVICIOS GRATUITOS

510-866-2260

TECH SUPPORT Soporte técnico 免費的技術支援
 دعم فني مجاني 免費的技術支持
 hỗ trợ kỹ thuật MIỄN PHÍ

Help connecting to FREE or low-cost, high-speed home internet
 Ayuda para conectarse a internet residencial GRATIS o de bajo costo
 協助您連接到免費或費用低廉的高速家庭網路
 لتلقى مساعدة في الاتصال بالإنترنت المجاني أو المنخفض التكلفة وبالعالي السرعة
 Trợ giúp kết nối với mạng internet
 協助連接至免費或低價的高速家庭互聯網

Refurbished Devices

Affordable Connectivity Plan - A Phased Approach

OAKLAND HOUSEHOLDS
**SAVE \$30
EVERY MONTH**
ON INTERNET AT HOME



Education SUPERHIGHWAY #Oakland Undivided

QUALIFYING HOUSEHOLDS RECEIVE:
FREE home internet (speeds up to 100MBPS!) OR \$30 per month to pay for current home internet service

TWO WAYS TO SIGN UP:

1. Apply on your own at ACPbenefit.org.

2. Scan here to get FREE support.



Call 877-384-2575 for support

The Affordable Connectivity Program (ACP) helps families pay for faster and more reliable internet at home and for connected devices.

[Flyer](#)
[Link](#)



AWARENESS



TRUST



ENROLLMENT

Increase Awareness through CBOs & Schools

Broadband Adoption Hubs:

- Oakland partnering with Education Superhighway & Greenlining to train CBO partners on ACP Enrollment
- Launching Outbound Call Center



Streamline Eligibility:

- Stipend school-site staff for trusted outreach
- Provide digital student ID and CEP letter to streamline enrollment through dependent

[School District Letterhead]

Dear Parent or Guardian, Date _____

[District] would like to make you aware of the Affordable Connectivity Program (ACP), a federal government program that provides:

- Up to \$30 a month in off-invoice discounts for qualifying Title I eligible households.
- A one-time up to \$100 discount for a connected device such as a laptop, desktop computer or tablet that is used through a participating provider. Each participating household is limited to a single device discount.

Internet access has become an important part of fully participating in school and we want to make sure that every student is able to access it. We are excited to announce that we are a school that qualifies for the U.S. Department of Agriculture's Community Eligibility Provision (CEP). Your household is automatically eligible to receive the ACP benefit.

This letter confirms that the following student(s) in your household attend(s) [School Name] during the [School Year] school year.

Student Name: _____ School Name: _____
 Student Name: _____ School Name: _____
 Student Name: _____ School Name: _____

If you are interested in applying for this benefit, you may find more information and apply online at ACPbenefit.org. For more information, please contact the ACP Support Center at 877-384-2575. You may also call 877-384-2575 for support. The report card will show your student's name, school name, and the academic year.

If you need assistance, contact the ACP Support Center directly at ACPbenefit.org or 877-384-2575, or email ACP@ed.gov.

#OU ACADEMY

HINTER NET
 School Year: 2021-2022
 Birthday: 5/09/1988
 Grade: 4

Eduardo Gonzalez

Director

**Fresno State University / SJV Regional Broadband
Consortia**

Selwyn Hollins

Director

**County of Los Angeles, Internal Services
Department**

DELETE THE DIVIDE

Emergency Broadband Benefit Program

CAMPAIGN RECAP

Countywide Promotional Campaign

The CEO (LA County) identified **\$3 million** in one-time funding to promote EBB and ACP adoption; phase one launched in December 2021 and included:

- Media buys
- Press releases
- Virtual training sessions
- Print and digital marketing
- Text messaging, telephone calls, and email marketing
- Call center



INTERNET EN EL HOGAR
Indispensable para su familia

Aplicar antes del 31 de Dic. \$50 de descuento con EBB

La Comisión Federal de Comunicaciones (FCC, por sus siglas en inglés) empezó un programa temporal para ayudar a las familias elegibles a pagar por el servicio de Internet en el hogar durante la pandemia del COVID-19. El beneficio de Emergencia Para Internet (EBB), por sus siglas en inglés, incluye hasta \$50 al mes de descuento en el servicio de Internet hasta febrero de 2022. A partir de marzo de 2022, el servicio de Internet en el hogar.

APLIQUE AHORA HASTA EL 31 DE DICIEMBRE

Nota 1: Verifique si usted califica para el Servicio de Emergencia Para Internet (EBB) en su hogar antes en cualquier de las categorías de a continuación.

Nota 2: Aplique el programa de Beneficio de Emergencia Para Internet (EBB) en línea.

Nota 3: Como usted desea aplicar y enviar todos los documentos necesarios.

Nota 4: Encuentre un proveedor de Internet cercano a su hogar. Use la herramienta de búsqueda para encontrar una compañía que ofrezca descuentos de EBB.

Nota 5: Tome una decisión antes de que finalice el EBB. Su proveedor de Servicio de Internet (ISP) por sus siglas en inglés le notificará unos 30 días antes de que expire el EBB. Una vez que expire el EBB, la subsidiación se detiene por un año de los 30 días.

Elegibilidad para recibir servicio de Internet en el hogar a un precio económico si su hogar cumple con uno de los siguientes requisitos:

- Participante en el programa de Lifeline. Participante en una cuenta de internet en el hogar asociada existente.
- Sus hijos están inscritos en el Programa Nacional de Almuerzo Gratis Escolar (NBSL) por sus siglas en inglés).
- Programa de estampillas de comida (CashEen o Programa de Asistencia de Nutrición Suplementaria (SNAP), por sus siglas en inglés).
- Medi-Cal o Seguridad de Ingreso Suplementario (SIL), por sus siglas en inglés).
- Estudiante universitario con una beca Pell.

Nota: El proveedor de servicios de Internet no puede cobrar un puntaje de equidad antes de aplicar al descuento. Usted puede cambiar su beneficio de Lifeline para un teléfono móvil y obtener el EBB para un descuento en su servicio de Internet en el hogar.

www.internetforallnow.org/applytoday o llame al 866-696-8748 para aplicar hoy mismo!

Delete The Divide
Sponsored

El programa federal de Beneficio de Emergencia Para Internet (EBB) le dará un descuento de hasta \$50 al mes. ...See more

INSCRIBASE ANTES DEL 31 DE DIC.

Internet en el Hogar con un descuento de \$50 al mes

INTERNETFORALLNOW.ORG
Descuento de hasta \$50 al mes si califica

LEARN MORE

LA카운티 인터넷 서비스 월 \$50 할인혜택 홍보
'차이를 없애자' 캠페인 팜파르

에 최대 혜택을 받는 것이 좋다. 이 카운티의 모든 주민은 저소득 소비자를 위한 연방 자금 지원 프로그램인 긴급 확대형 혜택 (Emergency Broadband Benefit)을 받을 수 있다. 요금 혜택은 소비자를 위한 인터넷 청구서에 할인된 금액으로 표시된다. 미국 의회와 조 바이든 대통령은 COVID-19 팬데믹 비상 사태로 인해 이 혜택을 제공하려는 데 최근에는 이 혜택을 적극적으로 만들었다. 연방 자금 지원 혜택은 가구가 온라인에 접속하고 비용을 줄임에 귀중한 디지털 서비스에 액세스하는 수단, 교육 지원 및 원격 의료와 같은 중요한 인터넷 자원을 할당하는 데 도움을 주게 된다. EBB를 신청하려면 LA 카운티 주민들은 866-696-8748로 전화하거나 https://www.internetforallnow.org/applytoday에서 온라인으로 신청할 수 있다. LA 카운티의 위원회와 LA 카운티의 모든 주민은 저소득 주민에게 지원하고 지속적인 인터넷 서비스 제공을 위해 '차이를 없애자' 캠페인 (Delete The Divide) 캠페인의 새로운 통령을 만들고 있는 데, 자금을 조달, 단계별 시차한다. 현재 대략 822,000이 카운티 가구가 자격이 있는 데, 내년 초 프로그램에 비공개로 되고 말했다.

Multi-media and multi-language campaign to drive awareness and enrollment

- Advertisements and collateral materials were produced in multiple languages
 - English, Spanish, Chinese, Korean and Vietnamese
- Utilized a mix of broad scale awareness media, community publications, and digital media to reach the target audience
 - English, Spanish and Chinese TV
 - English and African American community Radio
 - Community Newspapers/Op-Ed placement
 - Social Media
- Incorporated highest density of target audience into media choices
 - Television programming that is local, and covers “need to know” community information
 - Radio stations with mass reach, playing music that appeals to the target
 - Social media with zip codes, look-a-like, and demographic targeting
 - Tailor Google Ad Network placements to coincide with high density of the target audience

Summary of Results



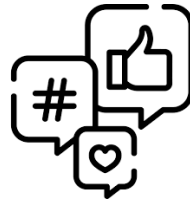
TV

1,630



Print

133



Social Media

887



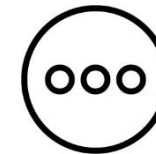
Google Search

32



Radio

508



Other*

1,837

Total Calls/leads generated to CETF CBO Call Center = 5,018

Calls are still coming in as a result of the campaign

Summary of Results

Visits to IFAN EBB
Application Landing page
significantly increased
in December

Visits increased **400%**

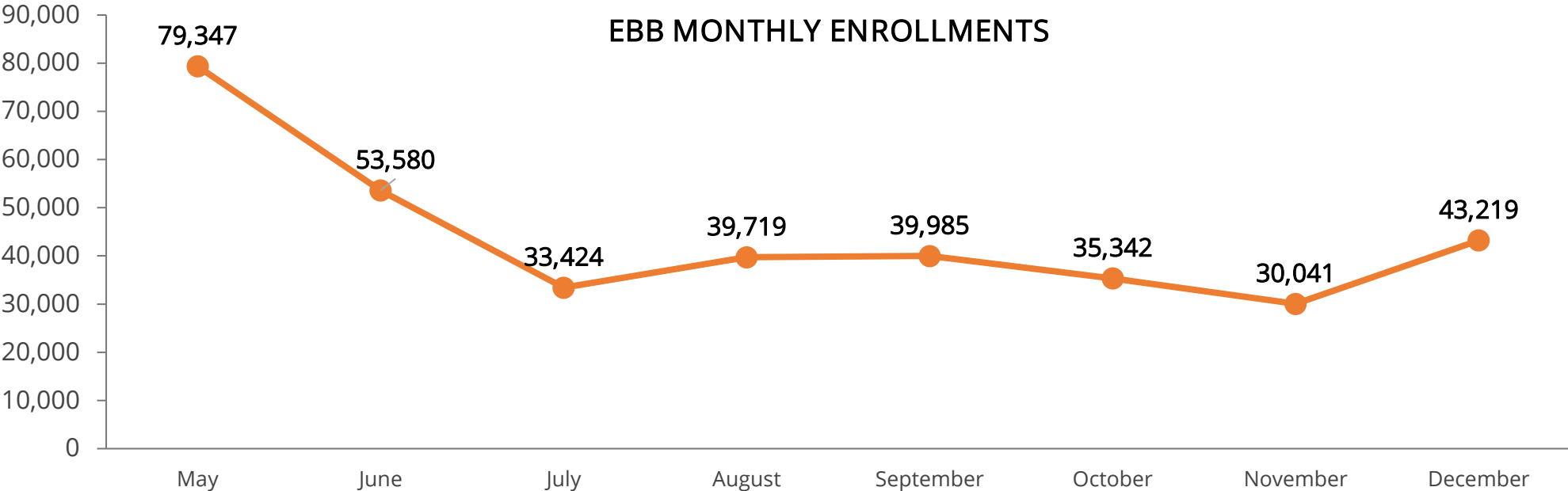
Nearly **50,000** views and

21,150 applications

The screenshot shows the IFAN EBB website landing page. At the top, there is a logo for "INTERNET FOR ALL NOW" and a search bar with "Email address" and a "JOIN" button. Below the logo is a navigation menu with "HOME", "ABOUT", "AFFORDABLE OFFERS / EMERGENCY BROADBAND BENEFIT", "BROADBAND MAPS", and "MEDIA". The main content area features a headline in Spanish: "haga clic aquí para español" followed by "Having An Affordable Home Internet Connection Is Critical To Stay Informed During the COVID-19 Emergency Emergency Broadband Benefit (EBB)". A prominent yellow button labeled "Apply Today" is centered below the headline. Below the button, there is a link to "https://www.internetforallnow.org/devices" for information on low-cost computers. The page also contains a paragraph explaining the Emergency Broadband Benefit (EBB) and another paragraph defining broadband. At the bottom, there is a section titled "Eligible Consumers Can Receive" with a bullet point: "• Up to \$50 per month on Home Internet service".

December 2021 Results

The FCC reported a **44% increase** in EBB enrollments during the month of December. Los Angeles now has the most enrolled households among counties within California.



2021 LA County Total Enrollment: 354,657

Scott Adams

**Deputy Director, Broadband & Digital Literacy
California Department of Technology**

Digital Equity Look Ahead

The **Infrastructure Investment and Jobs Act (IIJA)** designates \$65 billion to close the digital divide and invest in broadband.

Includes:

- **Broadband Equity, Access, and Deployment** Program to support broadband infrastructure and deployment.
- **State Digital Equity Planning and Capacity Grants** for states to promote the achievement of digital equity and inclusion.

Notice of Funding Opportunities to be released in May.

California's State Digital Equity Planning begins this summer. More to come soon!





Post-Roundtable Follow-ups

- Post-event questionnaire
- Permitting survey
- Event recording, slides presentation, and transcript will be posted on the BB4All portal:
broadbandforall.cdt.ca.gov/events/

Upcoming Events

- Middle-Mile Advisory Committee Meeting – May 20
- Broadband Council Meeting – May 25

THANK YOU!



**BROADBAND
FOR ALL**