

Monterey County Broadband Strategic Plan

Project Status & Overview

Prepared for TAMC

June 28th, 2023





What does Broadband Have to Do with Transportation?

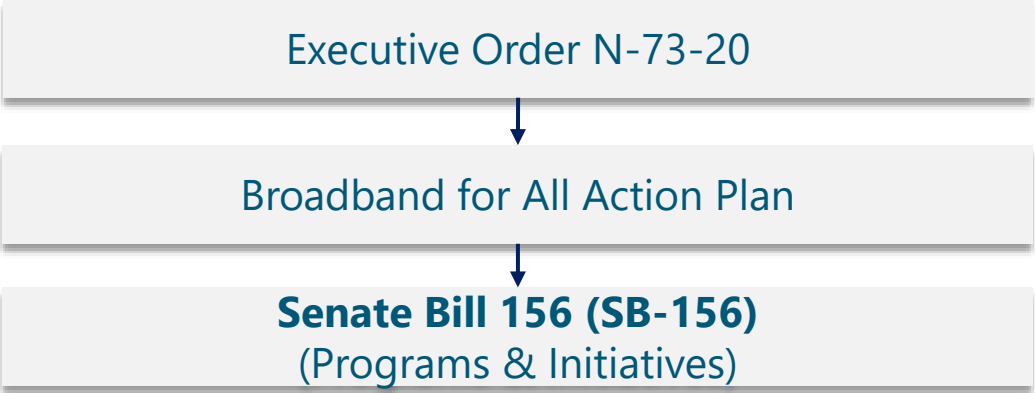
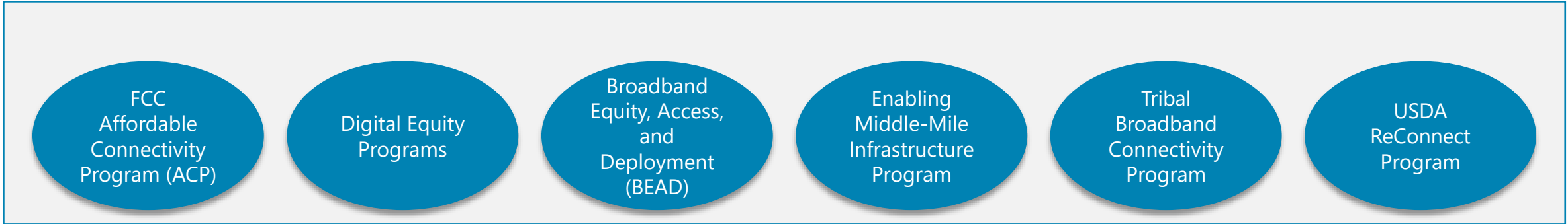
1. Telecommuting, website service, and virtual meetings reduce auto trips
 2. Most broadband infrastructure is installed in the right of way of our road network
 3. Broadband can lead to more efficient operations of the transportation system
 4. Adding broadband elements to a project increases grant opportunities
 5. Agencies need to support a “dig once” mentality
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Broadband Infrastructure Overview



Federal and State Legislation

Infrastructure Investment and Jobs Act (IIJA) (Programs & Initiatives)



CA Broadband for All as per Executive Order N-73-20

Action Plan Goals



Connectivity

Targets **100% connectivity** for all Californians at minimum speeds of 100 Mbps



Affordability

Access to affordable broadband and the devices to connect—closing the digital divide



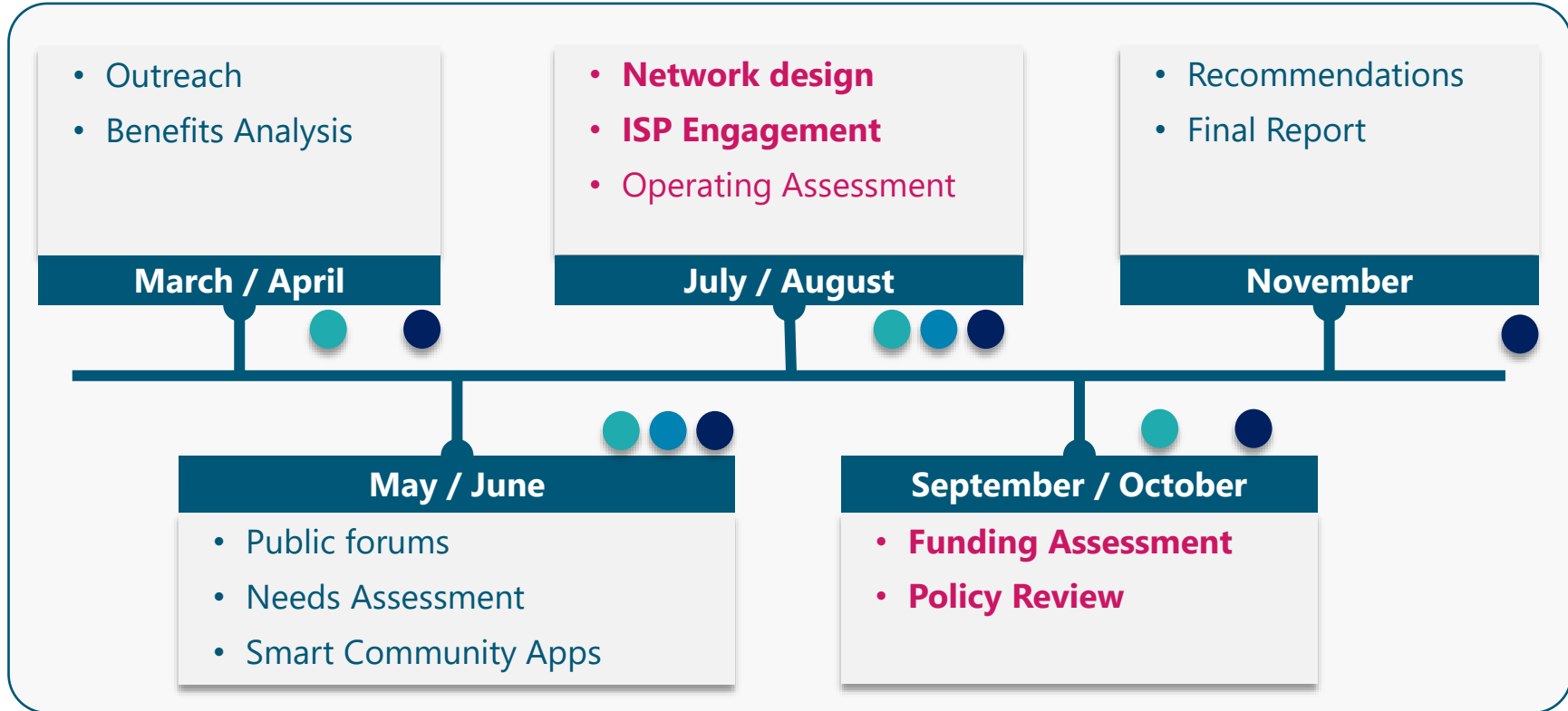
Training

Access to training, equipment and support to enable use of the internet – digital inclusion

Project Scope & Timeline View

Network Providers & Initiatives

Cities | County
JPA | MBEP
RCRC
CPUC | CBOs



TeleworX: Strategy
Tilson: Design

Countywide Broadband Strategy

Network Scenario Analysis

Identify Broadband Opportunity Zones

- Identify areas of need to be addressed by ISPs or PPP
- Establish the potential solution (Fiber, FWA, Satellite) for each area

Assess Ongoing Initiatives

- Identify broadband solutions that are in progress
 - ISP Plans
 - SSVBA / GSCA
 - City initiatives
 - CDT / GSN

Fill the Gaps

- Address gaps through conceptual designs
- Leverage existing infrastructure.
- Develop Operating Model(s)
- Assess Funding Sources

Countywide Broadband Served Status

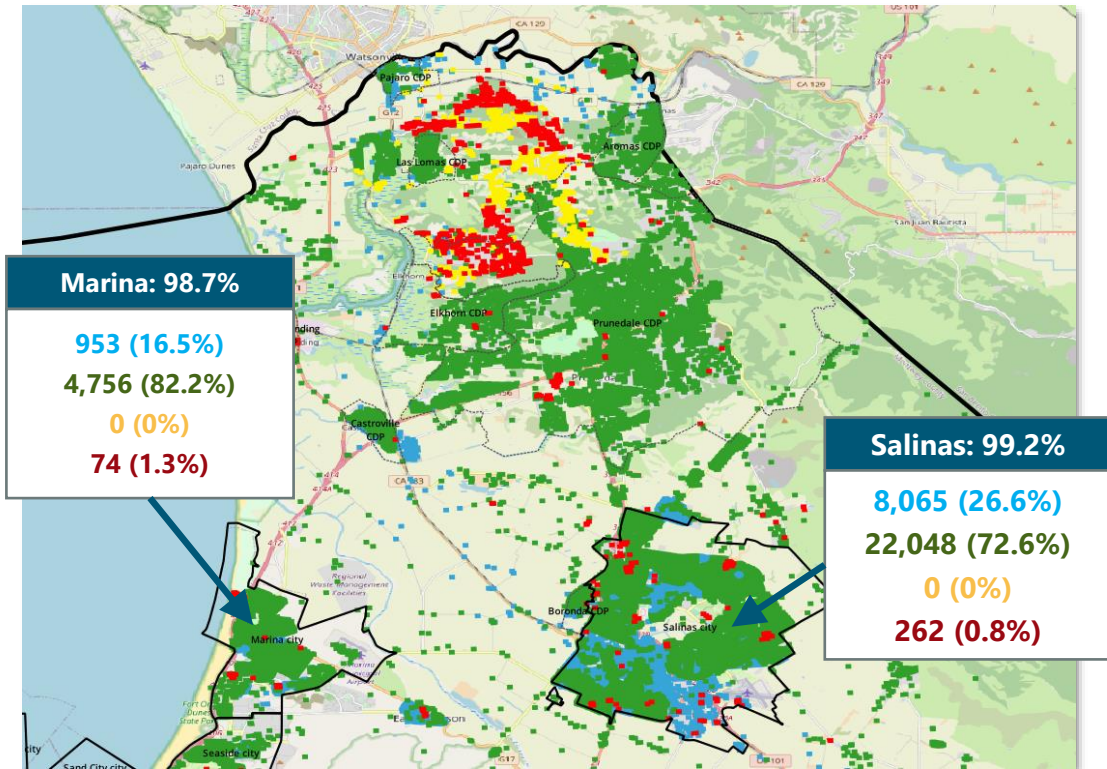
Serviceable Location Status (FCC Data)

		Marina	Salinas	Carmel by the Sea	Del Rey Oaks	Monterey	Pacific Grove	Sand City	Seaside	Gonzales	Soledad	Greenfield	King City	Un-Inc. Areas in Monterey
1G Served*	25,873 (23.3%)	953 (16.5%)	8,065 (26.6%)	240 (7.7%)	510 (80.1%)	4,139 (50%)	3,307 (55.4%)	25 (11.8%)	1,920 (23.1%)	168 (9.2%)	199 (4.9%)	0 (0%)	193 (7%)	6,154 (16.9%)
Served	81,054 (72.9%)	4,756 (82.2%)	22,048 (72.5%)	2,858 (92.3%)	127 (19.9%)	4,107 (49.6%)	2,577 (43.1%)	183 (86.7%)	6,394 (76.9%)	1,622 (89.1%)	3,700 (90.7%)	3,371 (99.4%)	2,561 (92.3%)	26,750 (73.4%)
Underserved	812 (0.7%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (0.1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	809 (2.2%)
Unservd	3,436 (3.1%)	74 (1.3%)	262 (0.9%)	0 (0%)	0 (0%)	36 (0.4%)	87 (1.5%)	3 (1.4%)	3 (0.04%)	30 (1.6%)	181 (4.4%)	19 (0.6%)	21 (0.8%)	2,720 (7.5%)
Total	111,175	5,783	30,375	3,098	637	8,282	5,974	211	8,317	1,820	4,080	3,390	2,775	36,433

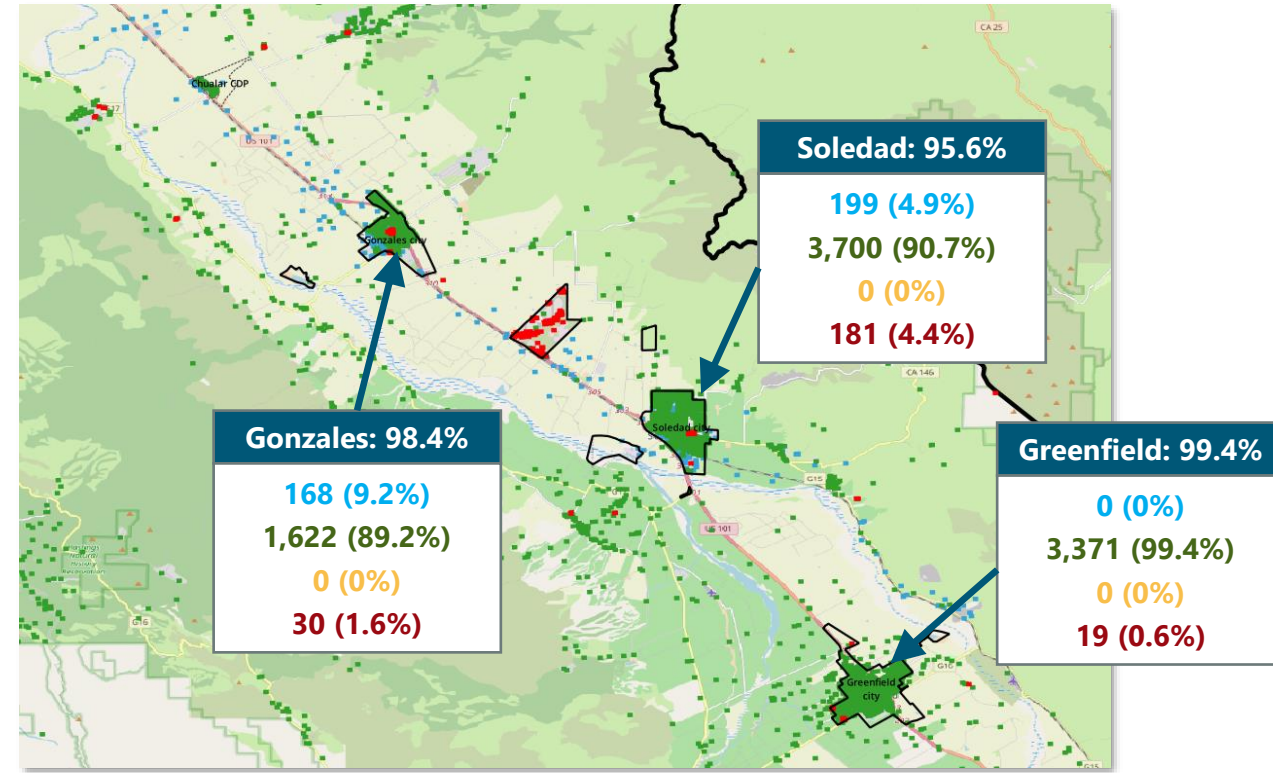
*On July 15, 2022 the FCC launched a "Notice of Inquiry" that proposes to set a separate national goal of 1 Gigabit per second (Gbps)/500 Mbps for the future

- Primary broadband challenges lie in the unincorporated areas

Service Availability Analysis: Map Views (1/3)



North Zone

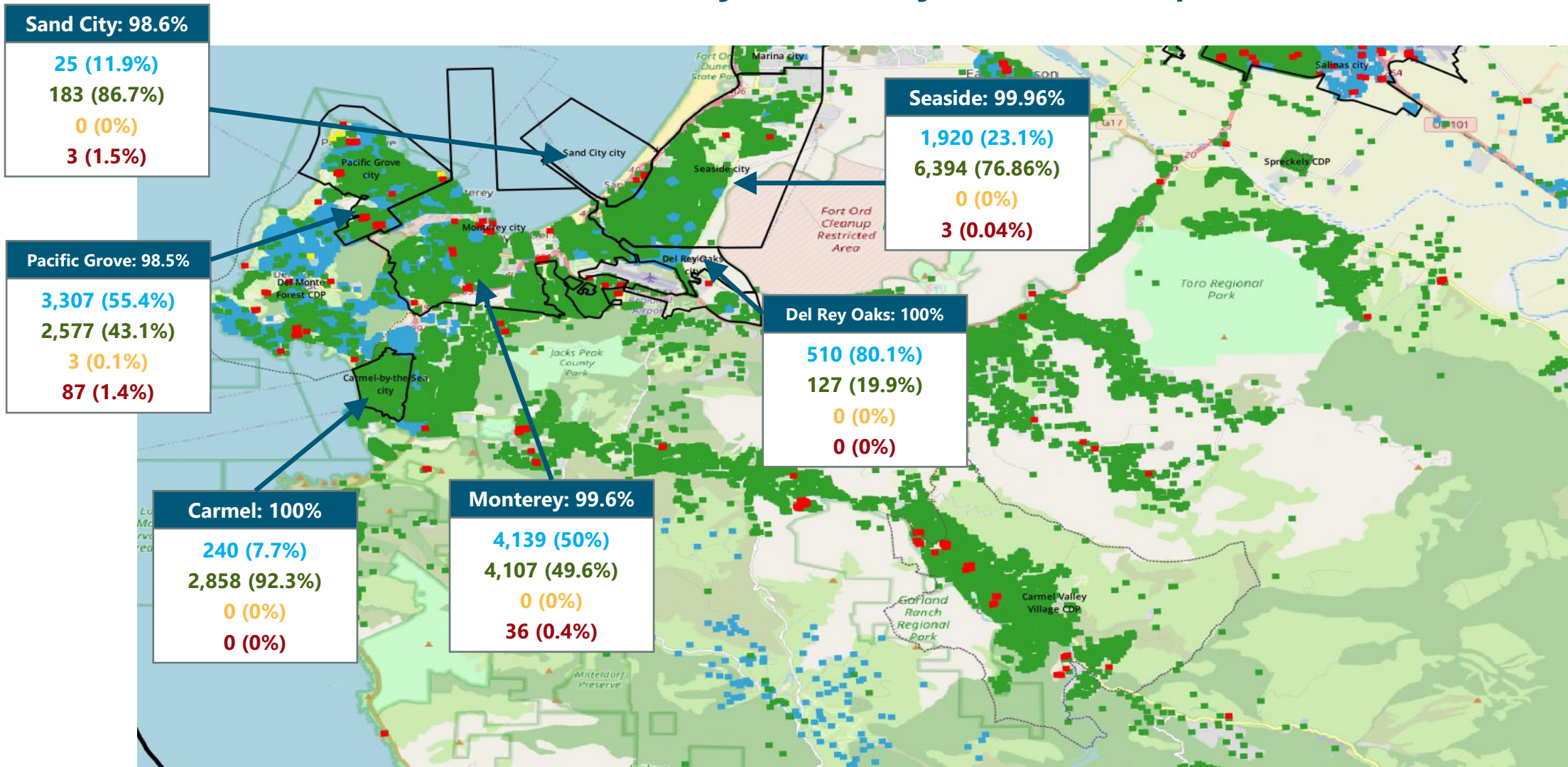


Central Zone

Serviceable Locations:

- 1G Served (>1000/500)
- Served (100/20 to 1000/500)
- Underserved (25/3 to 100/20)
- Unserved (<25/3)

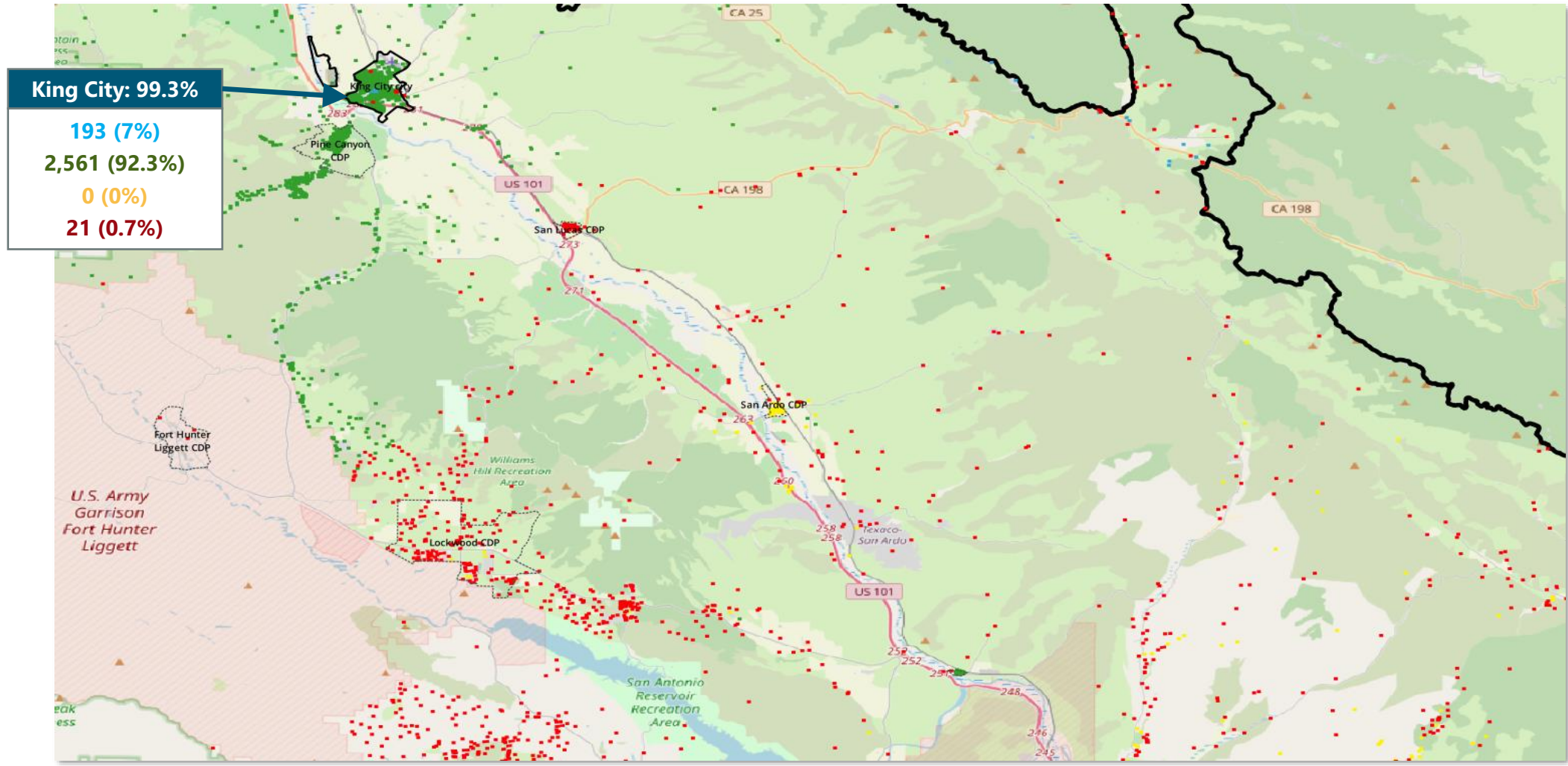
Service Availability Analysis: Map Views (2/3)



Coastal Zone

Serviceable Locations: ● 1G Served (>1000/500) ● Served (100/20 to 1000/500) ● Underserved (25/3 to 100/20) ● Unserved (<25/3)

Service Availability Analysis: Map Views (3/3)



South Zone

Serviceable Locations: ● 1G Served (>1000/500) ● Served (100/20 to 1000/500) ● Underserved (25/3 to 100/20) ● Unserviced (<25/3)

What's Next?

1

Further promotion of needs assessment survey and speed testing

2

Closeout of Data Collection & Stakeholder Engagement

3

Develop Broadband Strategic Plan Draft

4

Scheduling presentation to Board of Supervisors

5

Go for Funding!

Funding Sources & Options

State and Federal funding programs for infrastructure and digital equity will be assessed to match the proposed broadband projects with funding programs.



Infrastructure Programs

CPUC	Last-Mile Federal Funding Account (\$2B)	Summer 2023
	CASF Broadband Infrastructure Account (\$150 M)	April 1, 2024
	CASF Public Housing Account (\$15 M)	Jan 1, 2024 July 1, 2024
NTIA	Broadband Equity, Access, and Deployment (\$42.5 B)	2024-2025
USDA	Community Connect Grants (\$79 M)	TBD*
	ReConnect Grants (\$350 M)	TBD*



Digital Equity Programs

CPUC	Broadband Adoption Account (\$20 M)	Jan 1, 2024 July 1, 2024
	Digital Equity Capacity Grant (\$1.44 B)	2024-2025
NTIA	Digital Equity Competitive Grant (\$1.25 B)	2025

*The most recent rounds of Community Connect and ReConnect Grants have been closed but it is expected that additional rounds will be announced in the future.

QUESTIONS

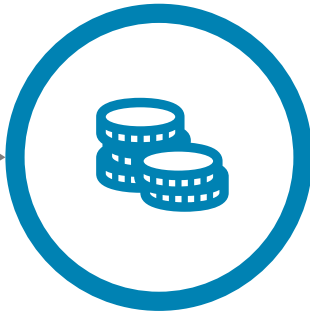


The Broadband Strategic Plan for Monterey County



GSFA & Monterey County MoU

- Golden State Finance Authority (GSFA) is a JPA that develops economic development programs in 36 counties in California.
- In June 2021, Monterey County signed a MoU, supporting GSFA Application to the U.S. Department of Commerce **Economic Development Administration** (EDA) for funding to support a **Broadband Strategic Plan**.



EDA Grant

- In August 2022, the EDA awarded \$2.7M in grant funding for the development of broadband strategic plans in 27 rural California counties, including Monterey County.
- **TeleworX** selected as the **consultant** to develop the Strategic Plan for Monterey County



Monterey County Broadband Strategic Plan

- Identify **broadband needs, barriers and assets**
- Develop **solution scenarios** and strategies in alignment with ongoing initiatives and CEDS
- Alignment with **California Broadband for All** and statewide planning efforts

Monterey County Aggregate View

- Future activity is directed at developing solutions for the unserved and underserved and areas that can attract new market entrance – broadband dynamic
- Subsequent analysis will fortify thresholds and assumptions and may alter the distribution

Broadband Static (21,465) serviceable locations	
2+ Fiber Providers	1,953
Served & long-term static	19,512

- *Cluster attributes will not attract new fiber entrant.*
- *Service upgrades are dependent on incumbent(s) ISP(s)*

Broadband Dynamic (89,710) serviceable locations	
Fiber Attractive Zones (served, unserved, underserved)	85,544
FWA Attractive Zones (unserved, underserved)	2,687
Satellite Zone (unserved, underserved)	1,479

Significant effort will be required to transform viable broadband solutions into deployment

Broadband Policy Assessment



**1. Enhancing permitting
processes**



**2. Facilitating Access to Key
Assets**



**3. Creating equitable access to
information**
