



Middle-Mile Advisory Committee Meeting

October 17, 2025



Broadband for All



Agenda

Welcome & Introduction

Executive Report

CDT: Project Updates

Caltrans: Project Updates

GoldenStateNet: Project Updates

CPUC: Last-Mile Updates

Public Comments

Next Meeting Date and Adjourn



Mark Monroe

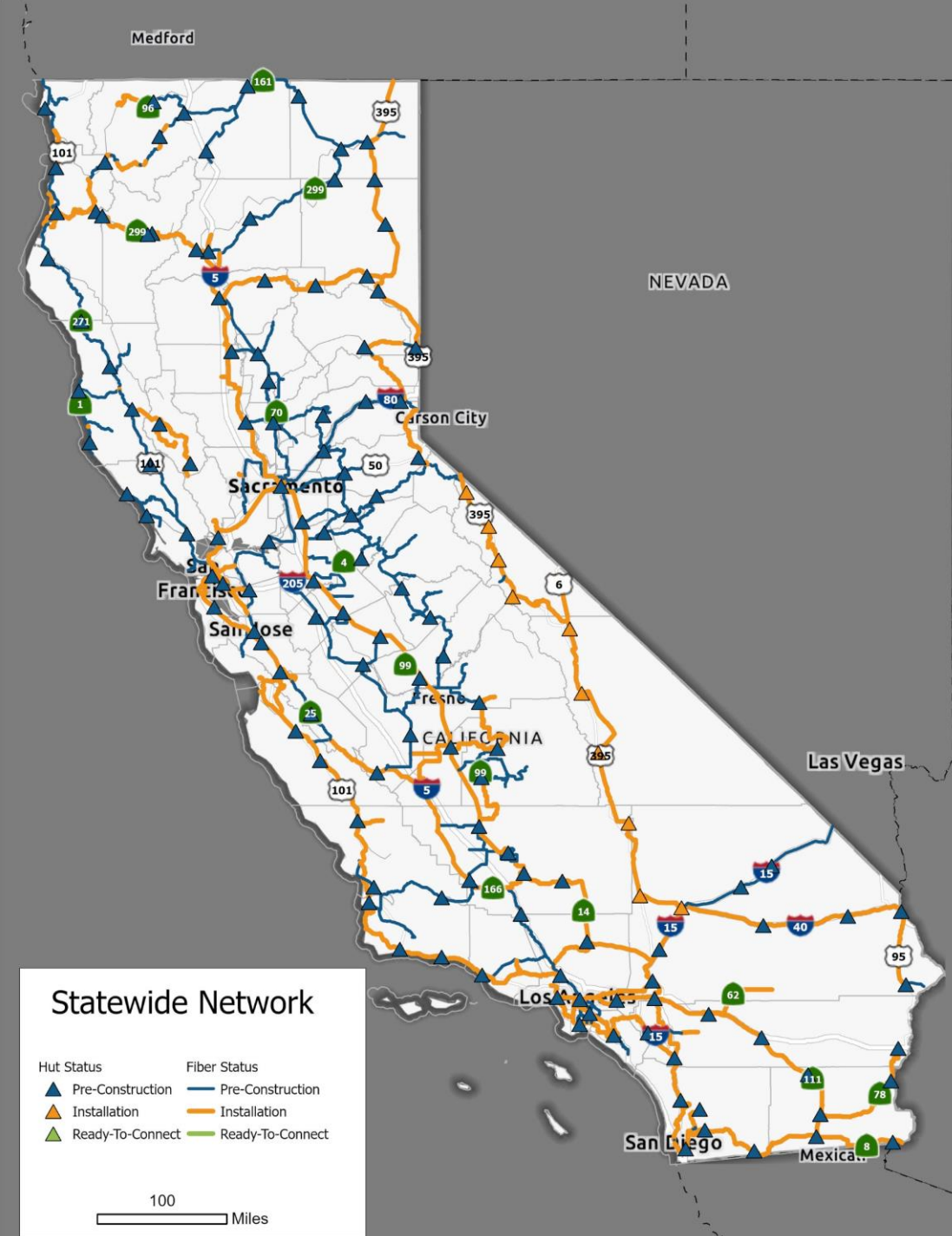
DEPUTY DIRECTOR

Middle-Mile Broadband Initiative
California Department of Technology

High Level Project Progress

4,351 Miles in Installation

- 1,387 miles of construction in progress
- 2,964 miles of construction completed
- 11 Huts Completed



Future Readiness & Operations

Early Operation by Q1 2026

- Digital 395

Request for Proposals (RFP) for Operator

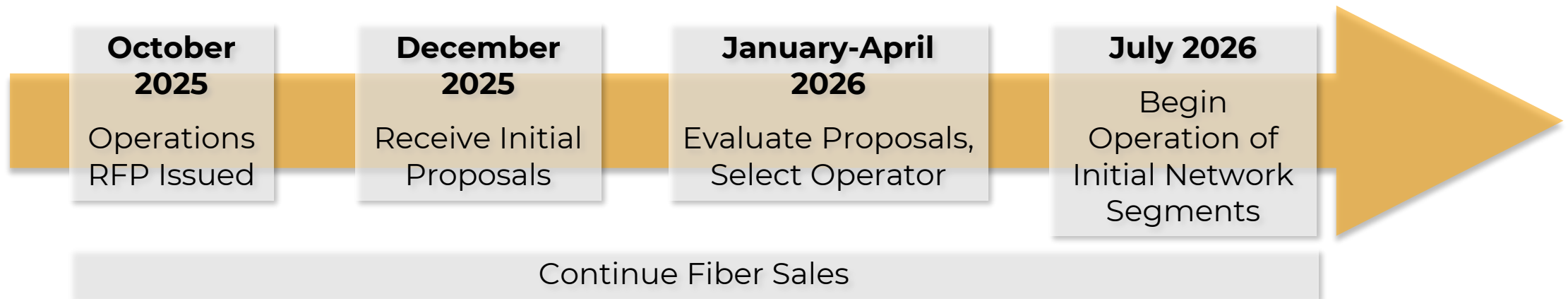
- Issued week of 10/13/25
- Operations scheduled to begin on initial segments in July 2026



Operations Look Ahead

Middle-Mile Broadband Network Operator Key Functions

- 24/7/365 network monitoring
- Provision customer services
- Network engineering
- Incident/problem resolution
- Maintain electronics
- Monitor fiber and huts



New or Expanded Partnerships



Signed

Joint Build Partnerships

- American Dark Fiber expanded for construction
 - Gateway Cities Council of Governments (74 Miles)
 - Fort Bragg (4 Miles)

Government-to-Government

- Tolowa Dee-ni' Nation (Smith River) IRU/Lease agreement
- Coyote Valley Band of Pomo Indians Hut/Hub placement



Negotiating

Actively negotiating with 3 additional tribes



Matt Rantanen

Vice President, Tribal Relations

CENIC, MMBI
Golden State Network

CDT: Project Update

Economic Opportunities and Development Tribal Relations and Ongoing Engagements

Higher bandwidth
at a **lower cost**
along D395 from
Barstow to
Nevada border.





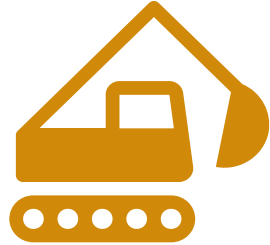
Mackenzie Shea

Regional Business Manager

Middle-Mile Broadband Initiative
California Department of Technology

CDT: Project Update

Installation Updates



- **4,351 Miles** have gone to installation.
- **Of this, 2,964 Miles** of fiber installation has been completed.

As of 10/13/25	Total Miles	%	Permitted	%	Constructed	%
On Caltrans ROW	4,026	50%	1,499	37%	977	24%
Off Caltrans ROW	4,002	50%	3,273	82%	1,987	50%
Total MMBI Miles	8,028	100%	4,772	59%	2,964	37%



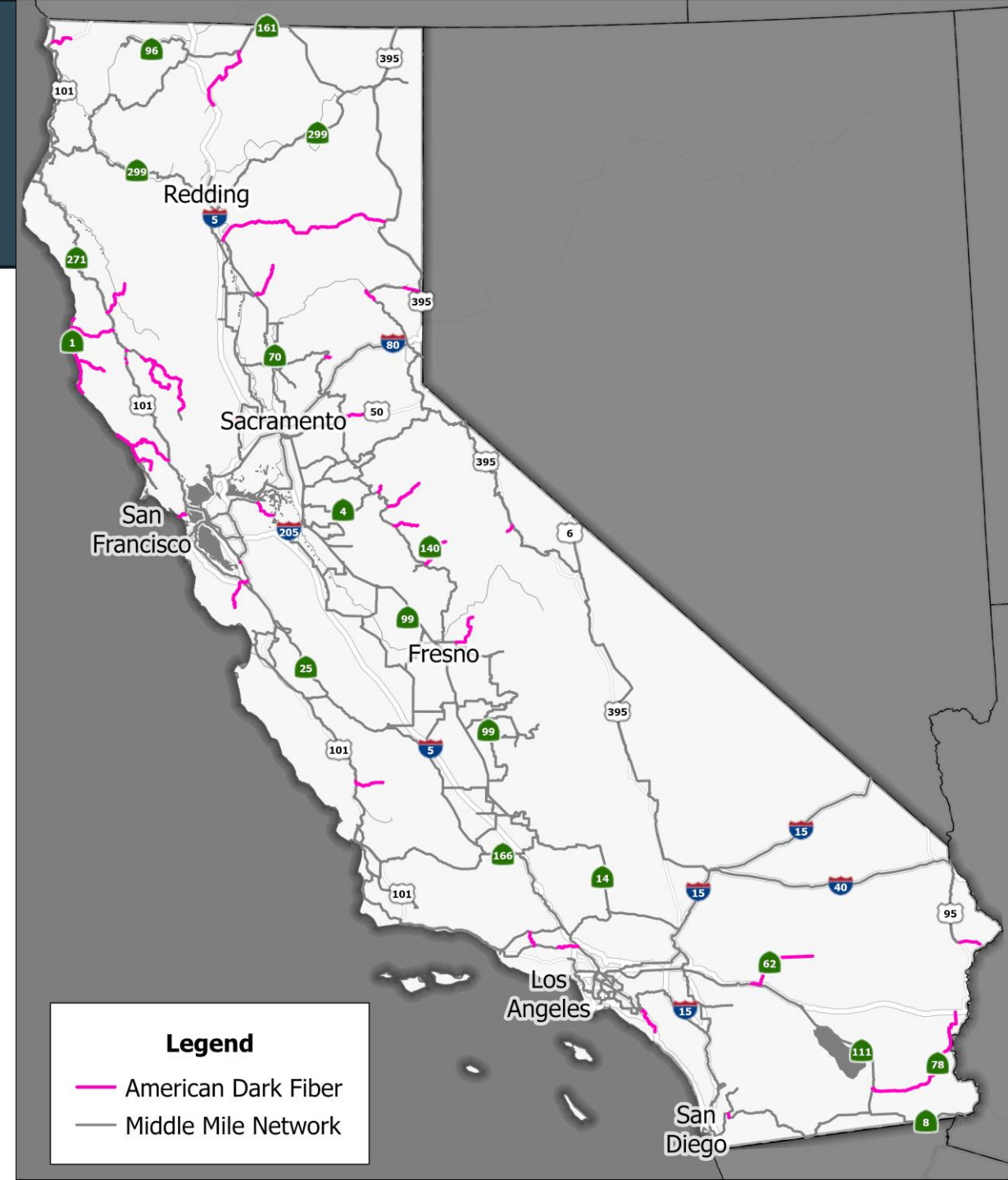
CDT: Project Update

Installation Partner

American Dark Fiber

Joint Build

- **901 Miles**
- Active Preconstruction: 411 miles
- Permitted/In Construction: 456 miles
- Construction Complete: 34 miles
- Estimated Completion: December 2026



CDT: Project Update

Installation Partner

Arcadian Joint-Build

- **1,004 Miles**
- Active Preconstruction: 881 miles
- Permitted/In Construction: 103 miles
- Construction Complete: 20 miles
- Estimated Completion: December 2026



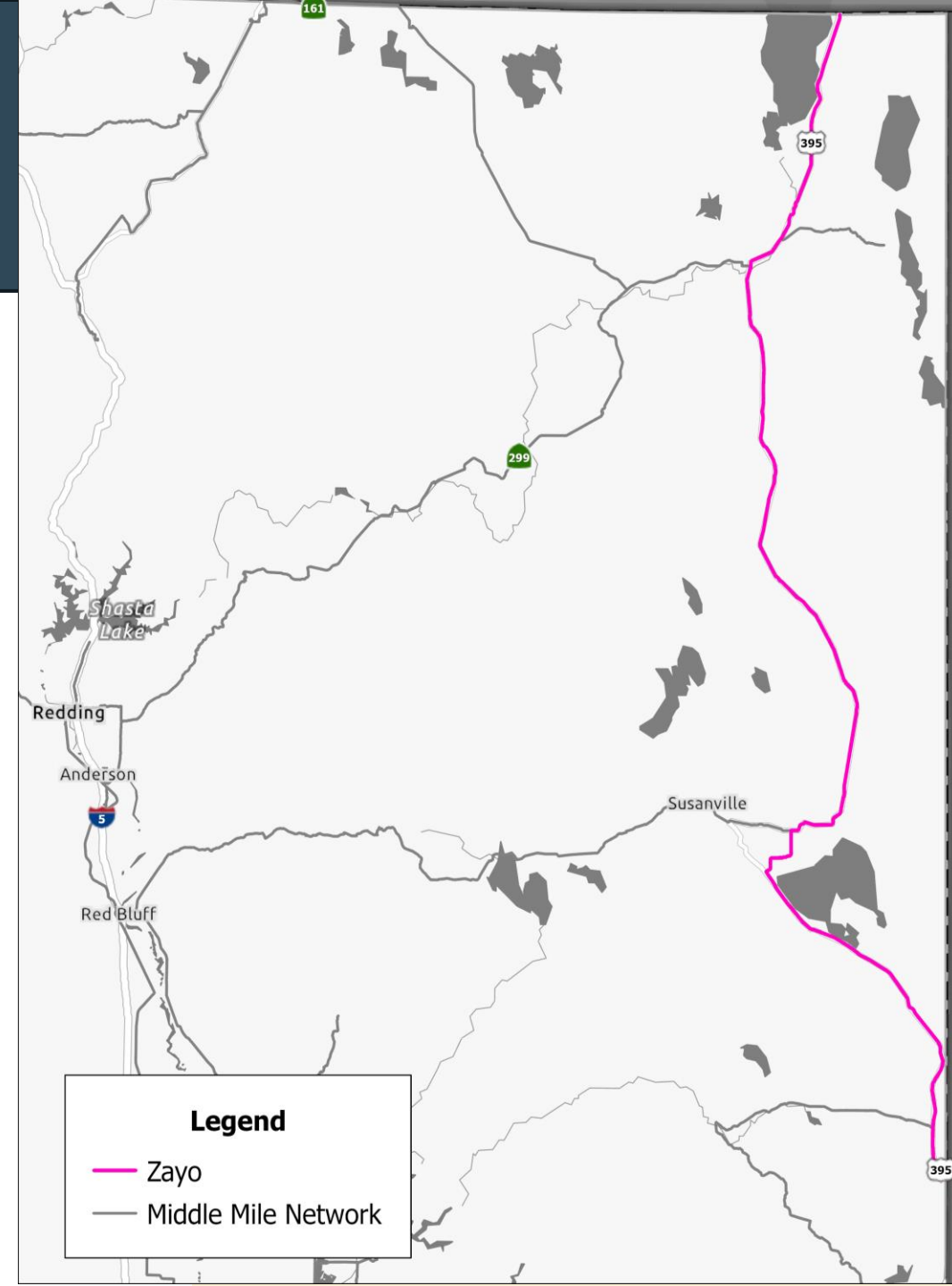
CDT: Project Update

Installation Partner

Zayo

Joint Build

- **194 Miles**
- Preconstruction: Completed
- Permitted/In Construction: 26 miles
- Construction Complete: 168 miles
- Estimated Completion: November 2025



CDT: Project Update

Installation Partner

Lumen

Joint-Build & IRU/Lease - 1,880 Miles

- **IRU/Lease 699 miles**
- **Joint-Build 1,181 miles**
- Active Preconstruction: 99 miles
- Permitted/In Construction: 318 miles
- Construction Complete: 1,463 miles
- Estimated Completion: September 2026



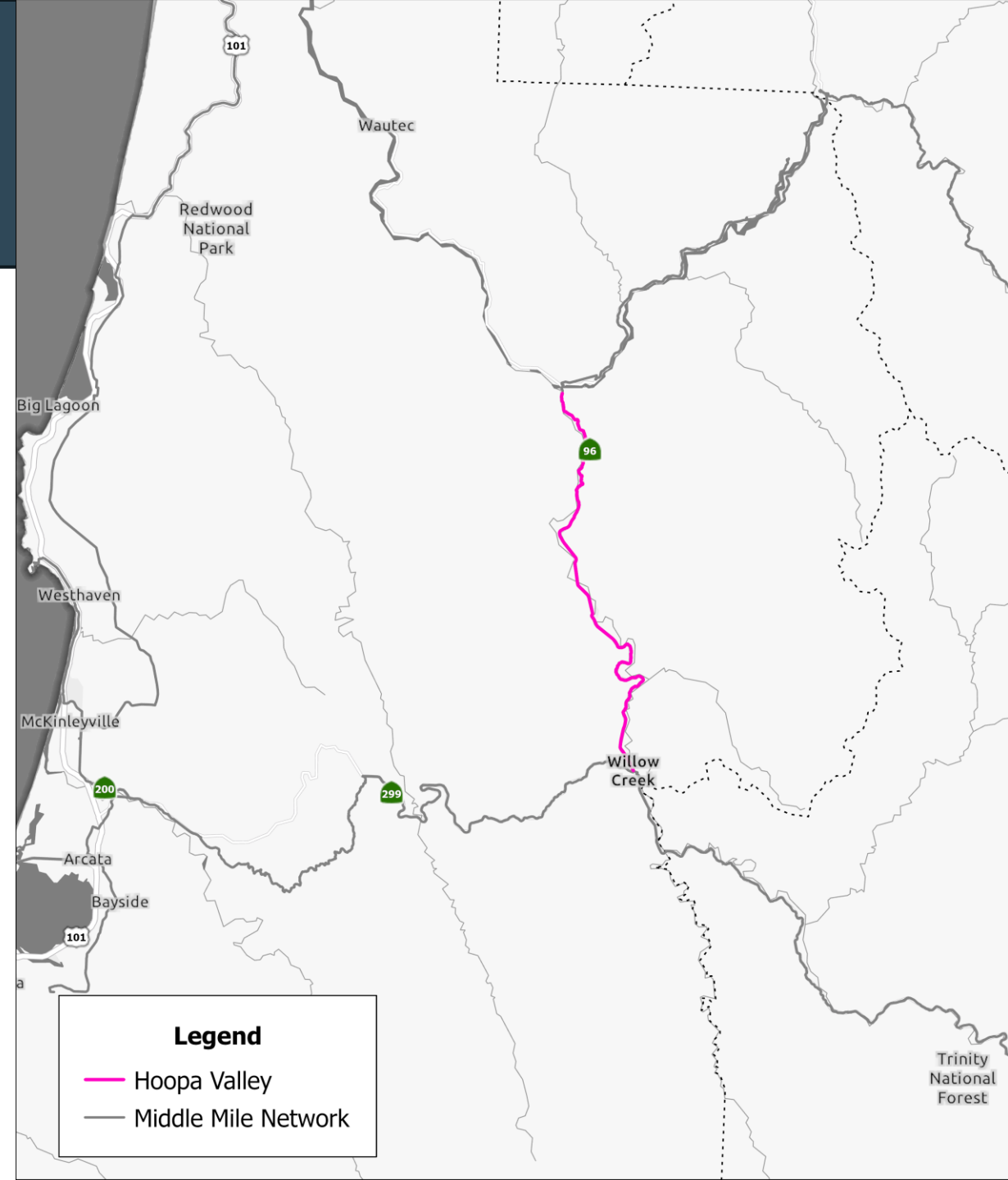
CDT: Project Update

Installation Partner

Hoopa Valley

Joint-Build

- **23 Miles**
- Preconstruction: Completed
- Permitted/In Construction: 18 miles
- Construction Complete: 5 miles
- Estimated Completion: November 2026



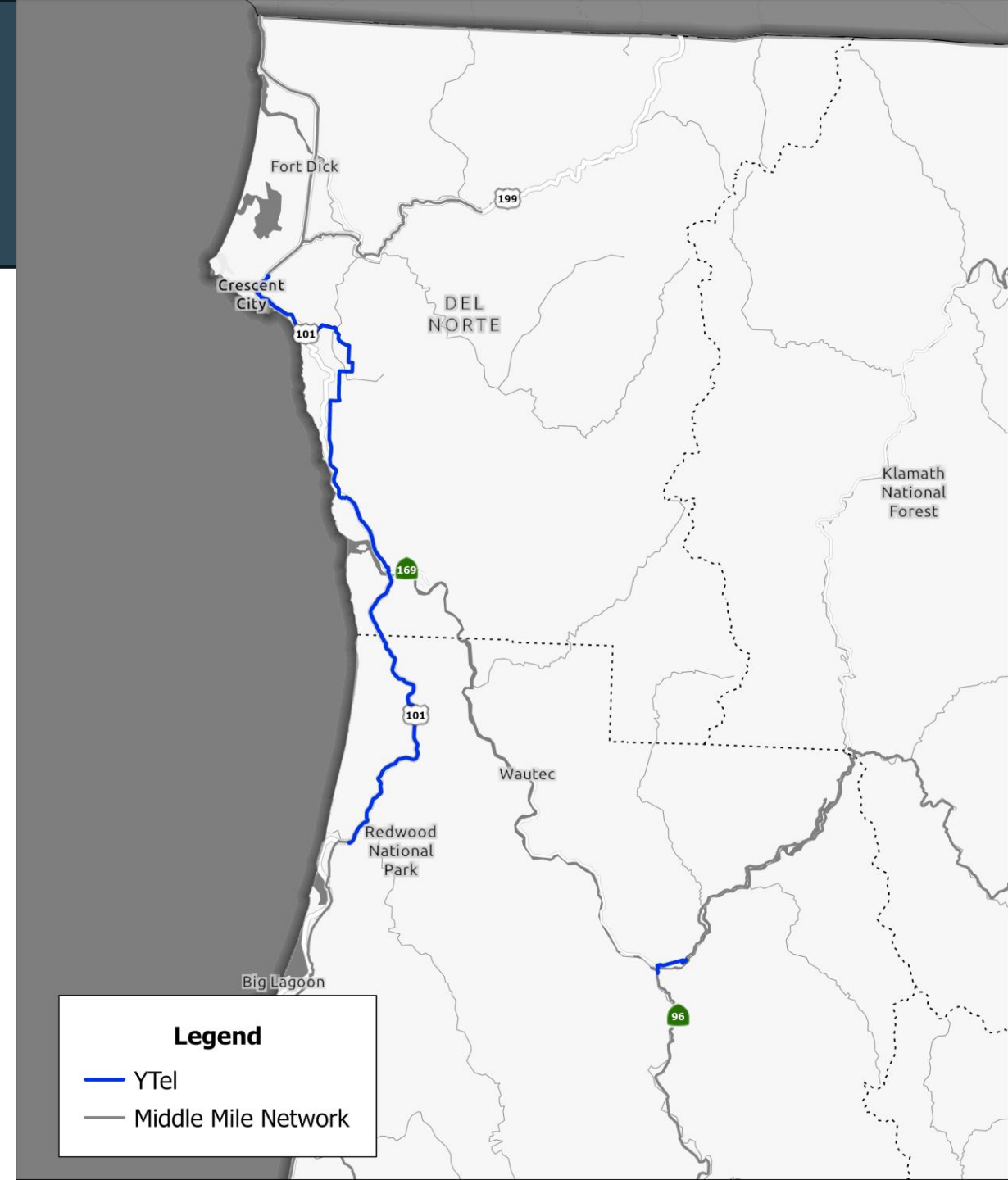
CDT: Project Update

Installation Partner

Y-Tel

IRU/Lease

- **50 Miles**
- Active Preconstruction: 20 miles
- Permitted/In Construction: 27 miles
- Construction Complete: 3 miles
- Estimated Completion: November 2026

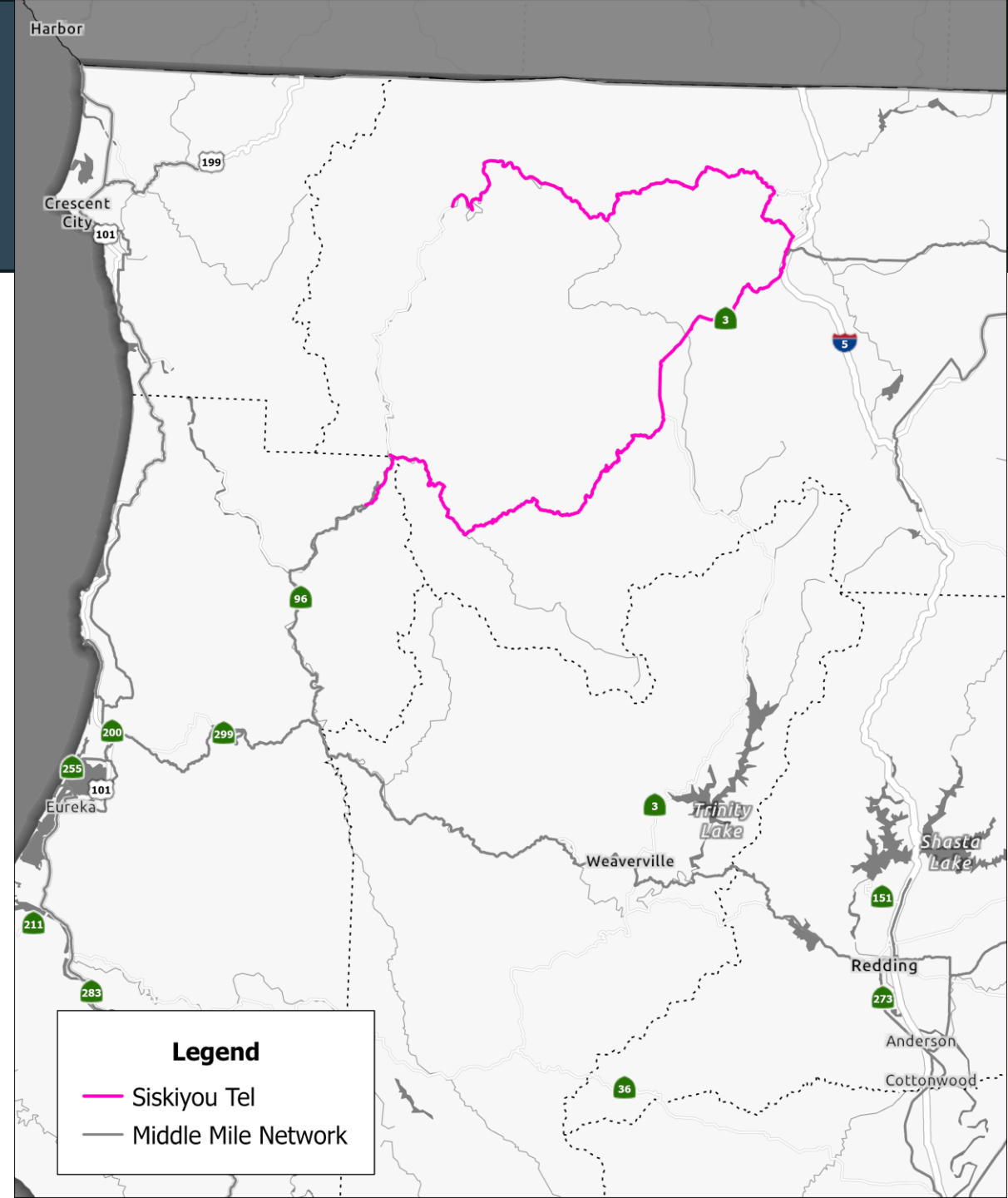


CDT: Project Update

Installation Partner

Siskiyou Tel Joint-Build

- **163 Miles**
- Active Preconstruction: 89 miles
- Permitted/In Construction: 61 miles
- Construction Complete: 13 miles
- Estimated Completion: December 2026



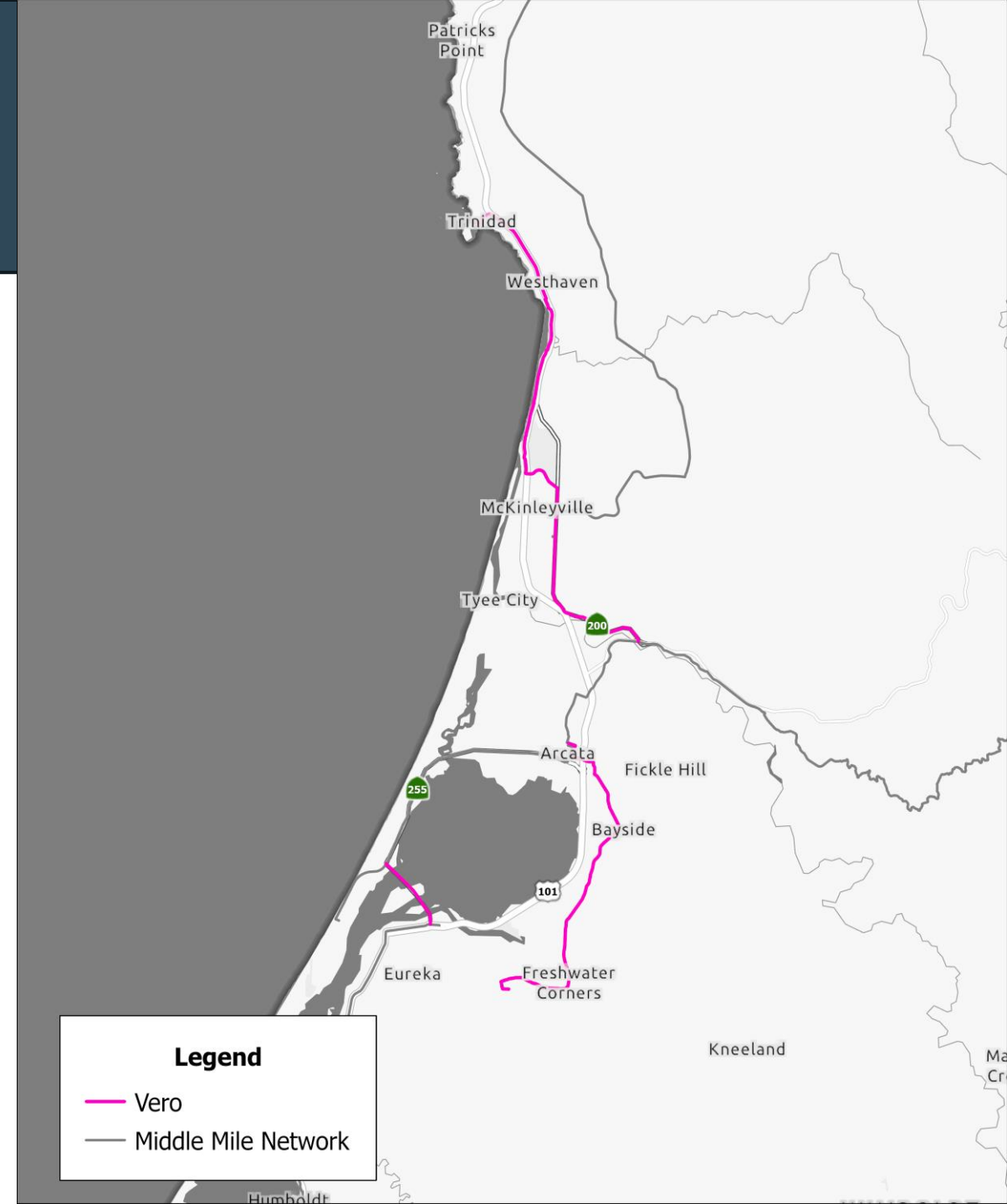
CDT: Project Update

Installation Partner

Vero

Joint-Build

- **26 Miles**
- Active Preconstruction: 2 miles
- Permitted/In Construction: all permitted construction is complete
- Construction Complete: 24 miles
- Estimated Completion: June 2026



CDT: Project Update

Installation Partner

CVIN

IRU/Lease

- **2,672 Miles**
- Active Preconstruction: 1,628 miles
- Permitted/In Construction: 607 miles
- Construction Complete: 437 miles
- Estimated Completion: December 2026



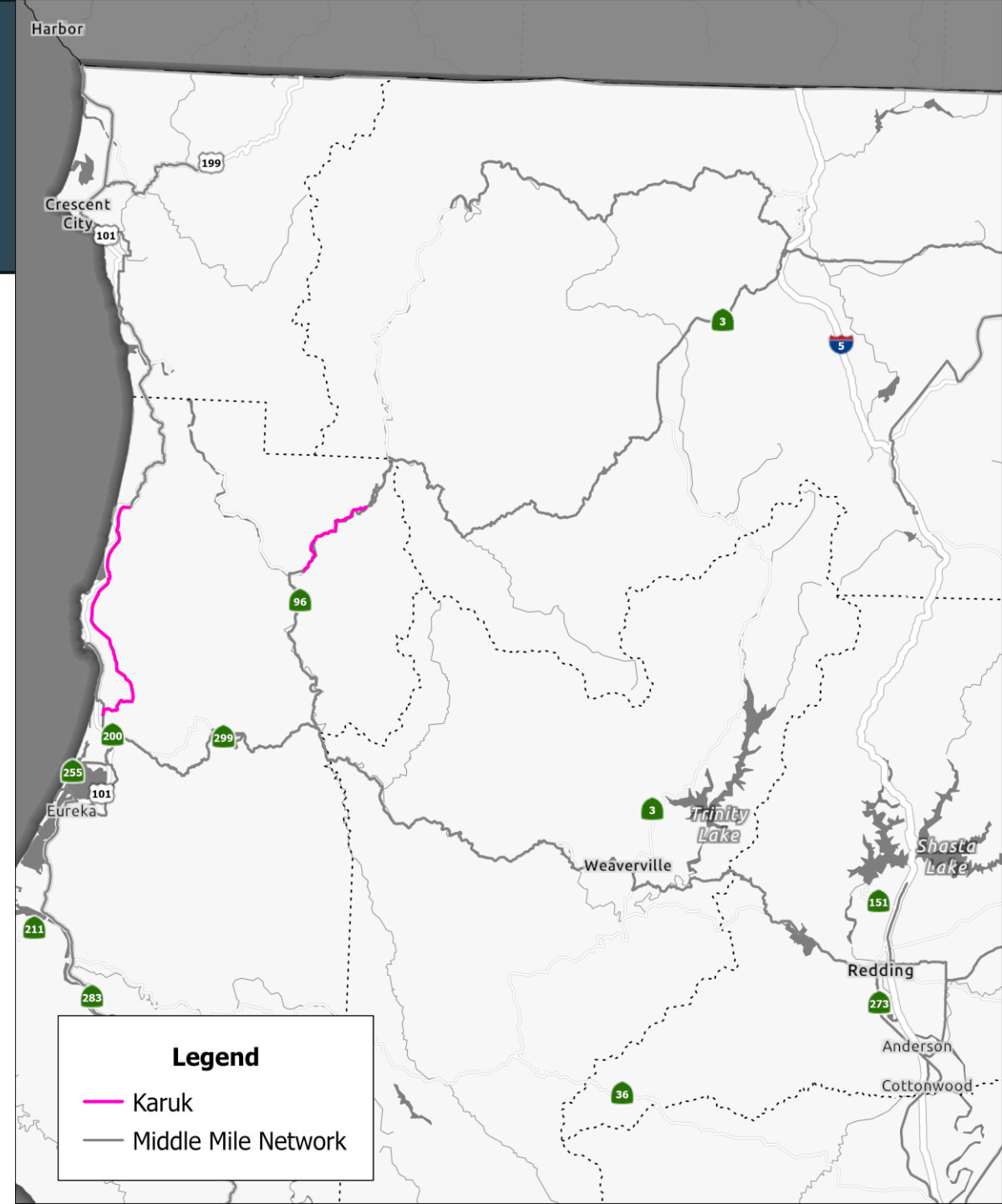
CDT: Project Update

Installation Partner

Karuk

Joint-Build

- **45 Miles**
- Active Preconstruction: 15 miles
- Permitted/In Construction: 30 miles
(Construction forecast to start January 2026)
- Construction Complete: none
- Estimated Completion: December 2026

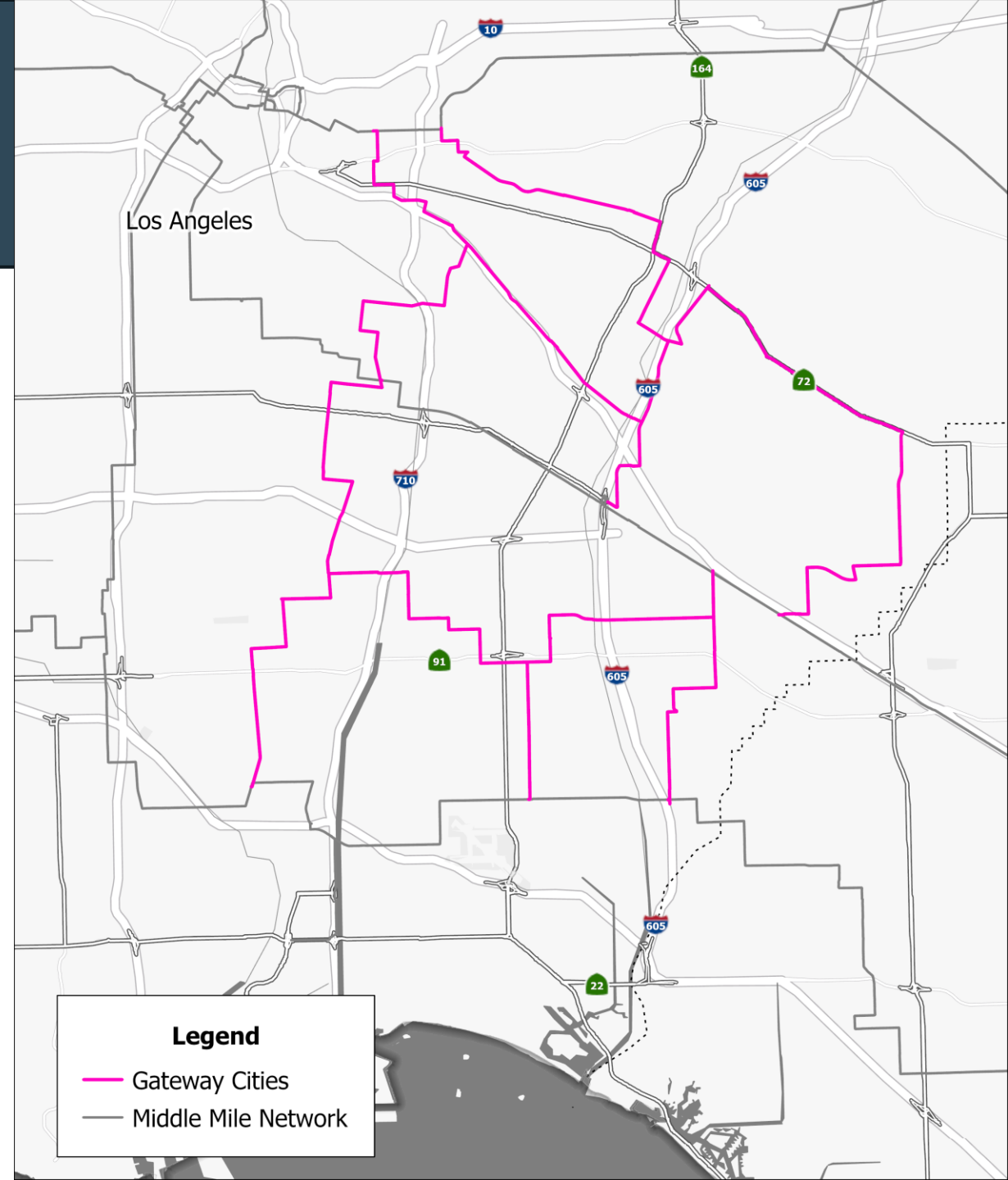


Installation Partner

Gateway Cities Council of Governments

Joint-Build

- **74 Miles**
- Active Preconstruction: 72 miles
- Permitted/In Construction: 2 miles
- Construction Complete: none
- Estimated Completion: December 2026



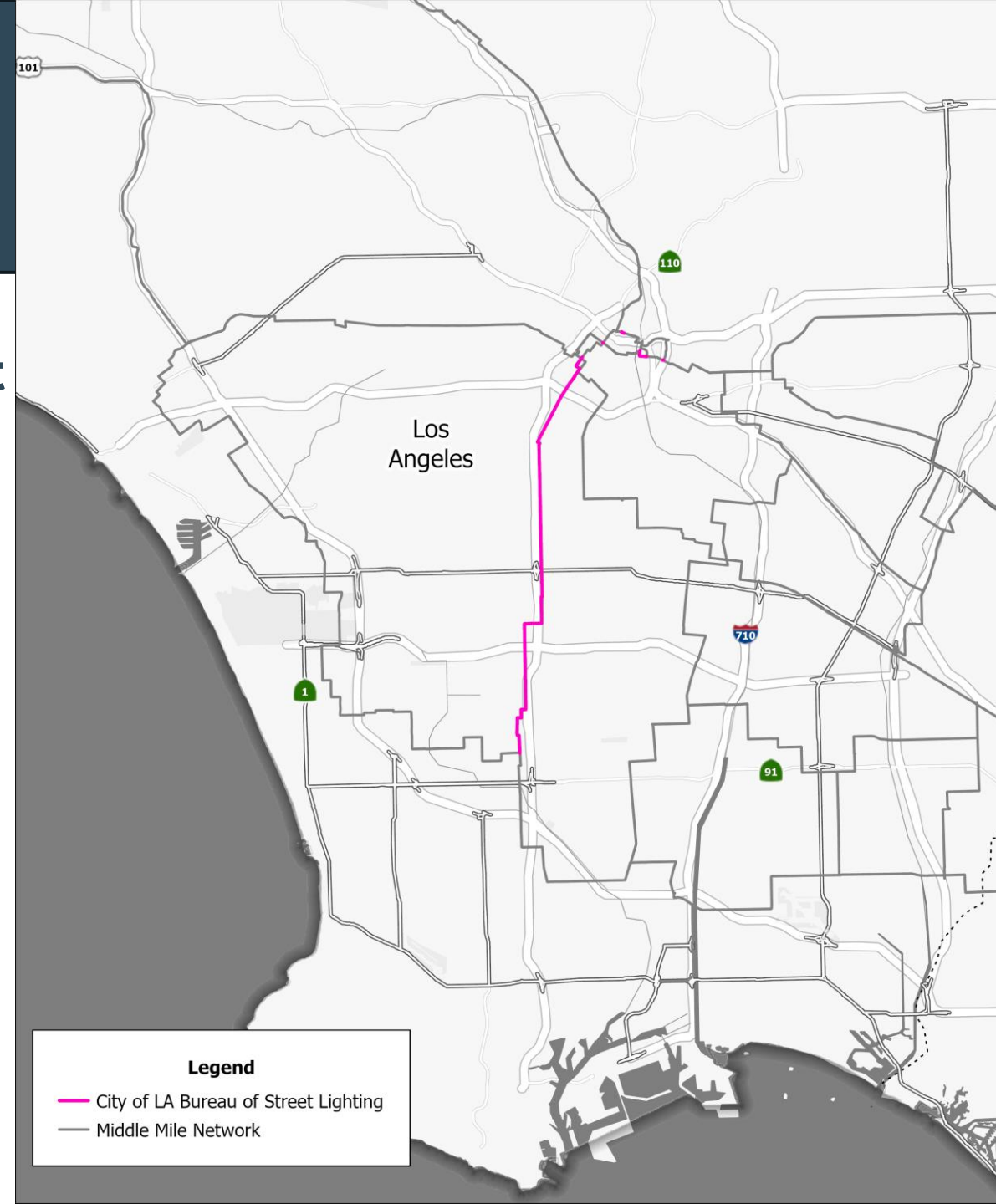
CDT: Project Update

Installation Partner

City of Los Angeles Bureau of Street Lighting

Joint-Build

- **13 Miles**
- Active Preconstruction: 1 mile
- Permitted/In Construction: 12 miles
- Construction Complete: none
- Estimated Completion: December 2026



Installation Partner

Fort Bragg

Joint-Build

- **4 Miles**
- Preconstruction: Completed
- Permitted/In Construction: 4 miles
(Construction forecast to start November 2025)
- Construction Complete: none
- Estimated Completion: January 2026



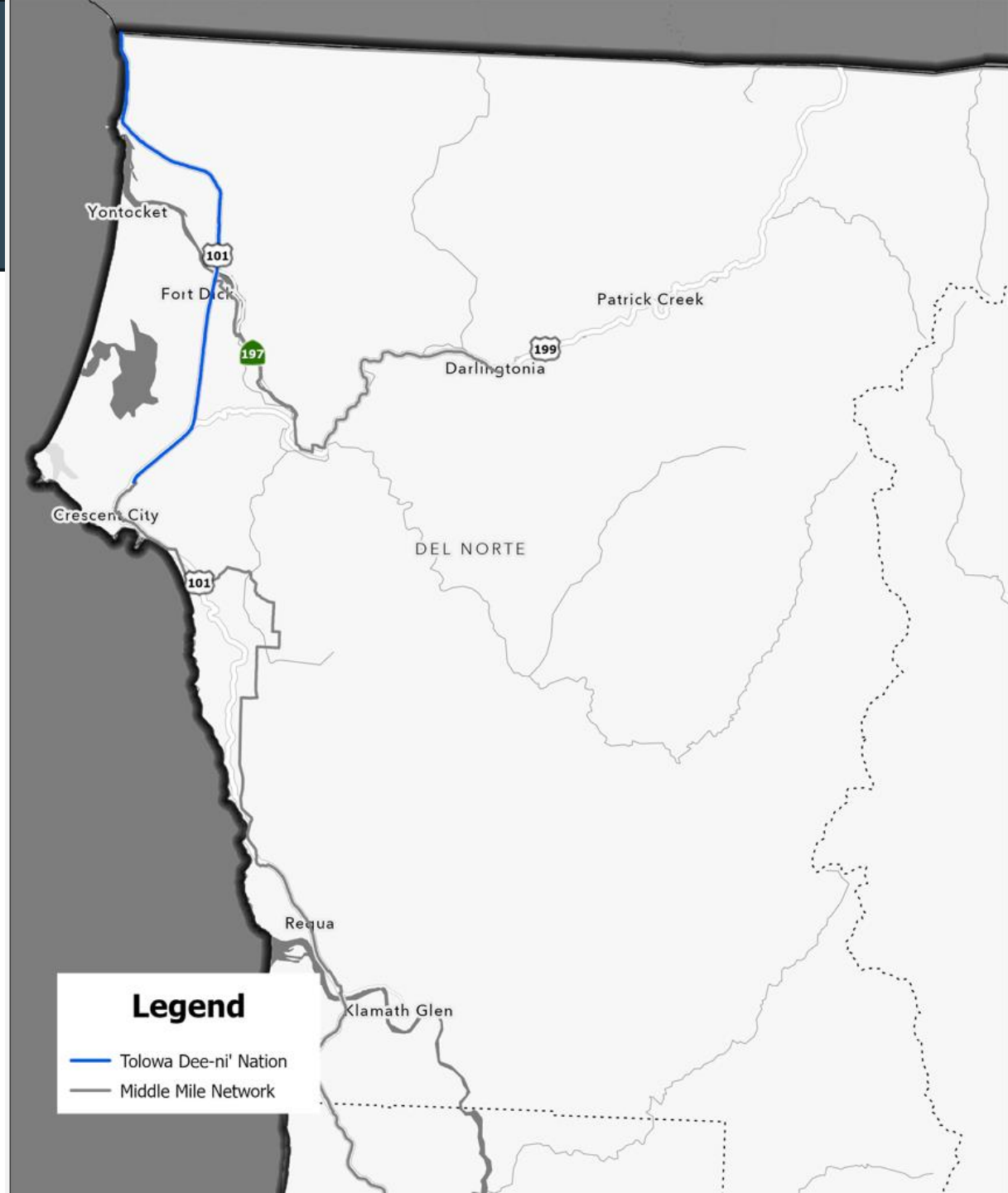
CDT: Project Update

Installation Partner

Tolowa Dee-ni' Nation

IRU/Lease

- **19 Miles**
- Active Preconstruction: 19 miles
- Permitted/In Construction: none
(Construction forecast to start March 2026)
- Construction Complete: none
- Estimated Completion: September 2026



CDT: Project Update

Installation Partner

Digital 395 Purchase

- **423 Miles**
- Purchase Finalized: October 2024
- Ready to Connect: Q1 2026



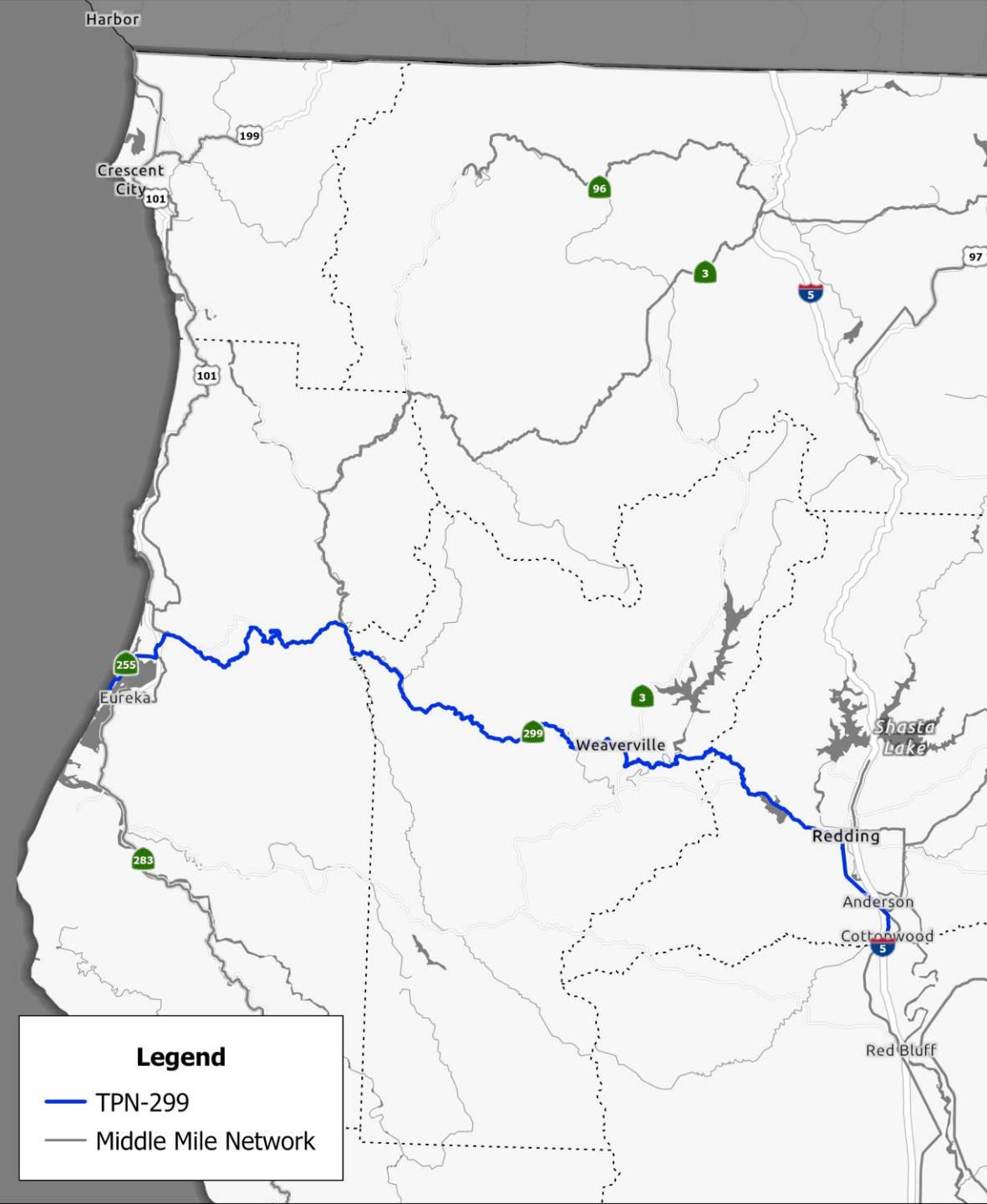
CDT: Project Update

Installation Partner

TPN-299

IRU/Lease

- **171 Miles**
- Preconstruction: done
- Permitted/In Construction: none remaining
- Construction Completed: 171 miles
- Construction completed May 2025



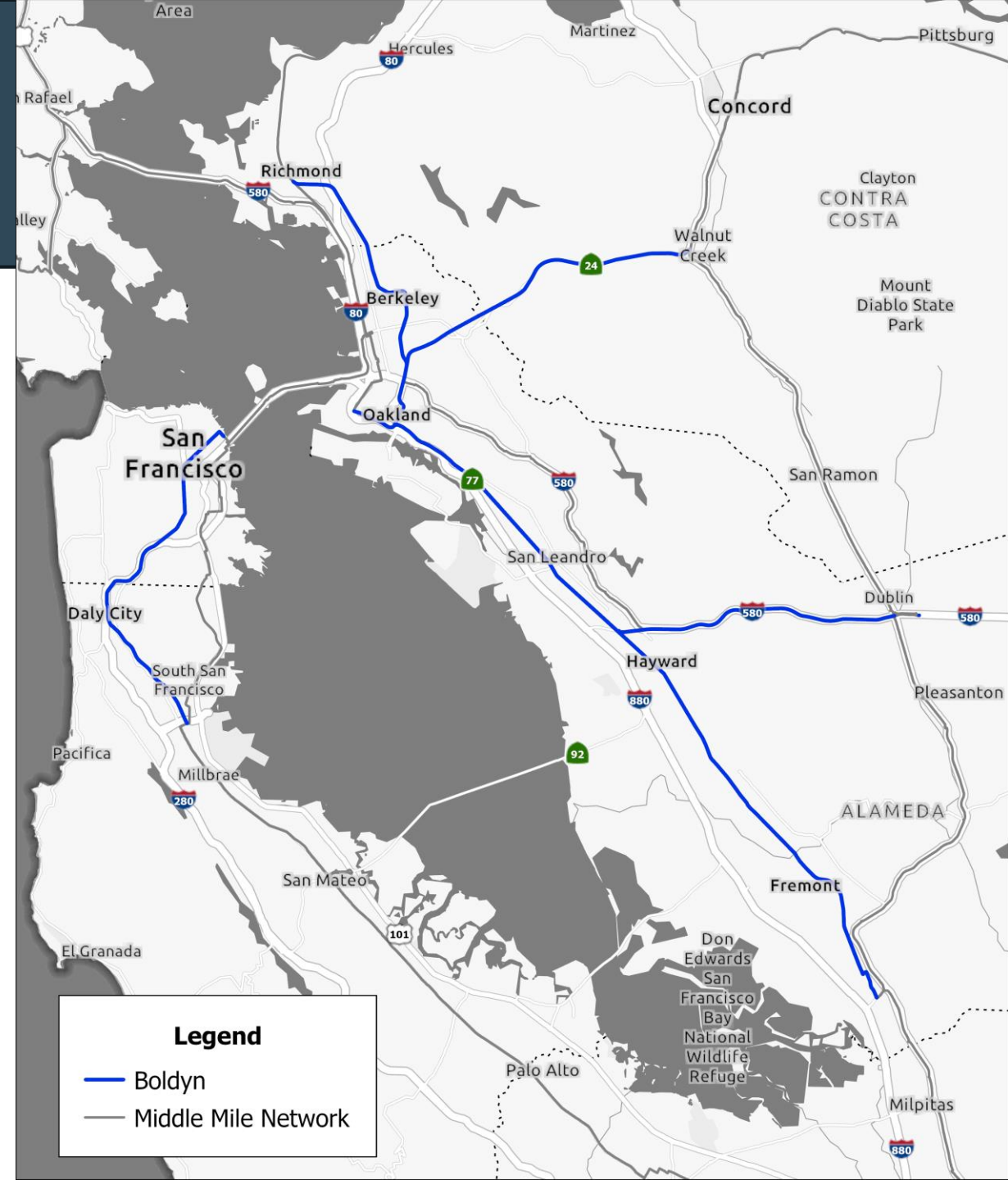
CDT: Project Update

Installation Partner

Boldyn

IRU/Lease

- **81 Miles**
- Preconstruction: done
- Permitted/In Construction: none remaining
- Construction Complete: 81 miles
- Construction completed June 2025



MMBN Hub Progress

MMBN HUBs

- Total: 139 hubs
- Total Installed: 11 hubs
- Planned Hubs to start construction in Q4 2025: 18



Federal Shutdown

Potential Impacts:

- Federal Permitting Still Needed for 693 Miles
- Working in limited capacity





Parisa Soultani

Public Information Officer

Middle-Mile Broadband Initiative
California Department of Technology

CDT: Project Update

2025 MMBI Stakeholder Engagement Schedule

Virtual Meetings

10:00-11:00 a.m.

~~Friday, January 31~~

~~Friday, May 2~~

~~Friday, August 1~~

Friday, October 31



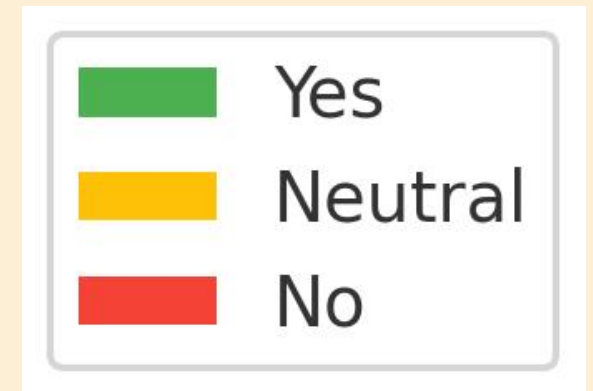
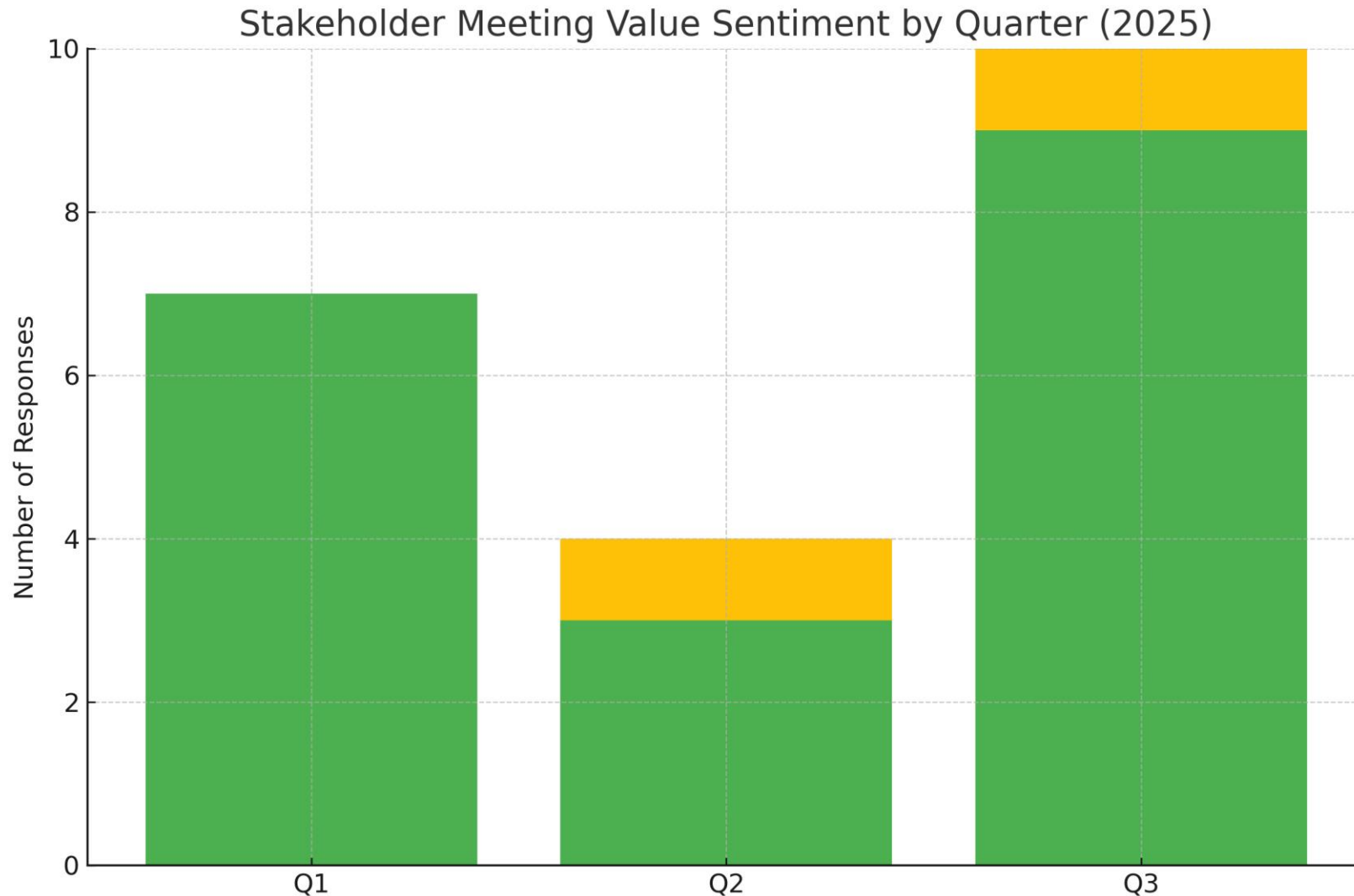
Last Stakeholder Meeting Summary

August 1, 2025

- 107** Invites
- 49** Registrations
- 44** Attendees
- 10** Evaluation Responses

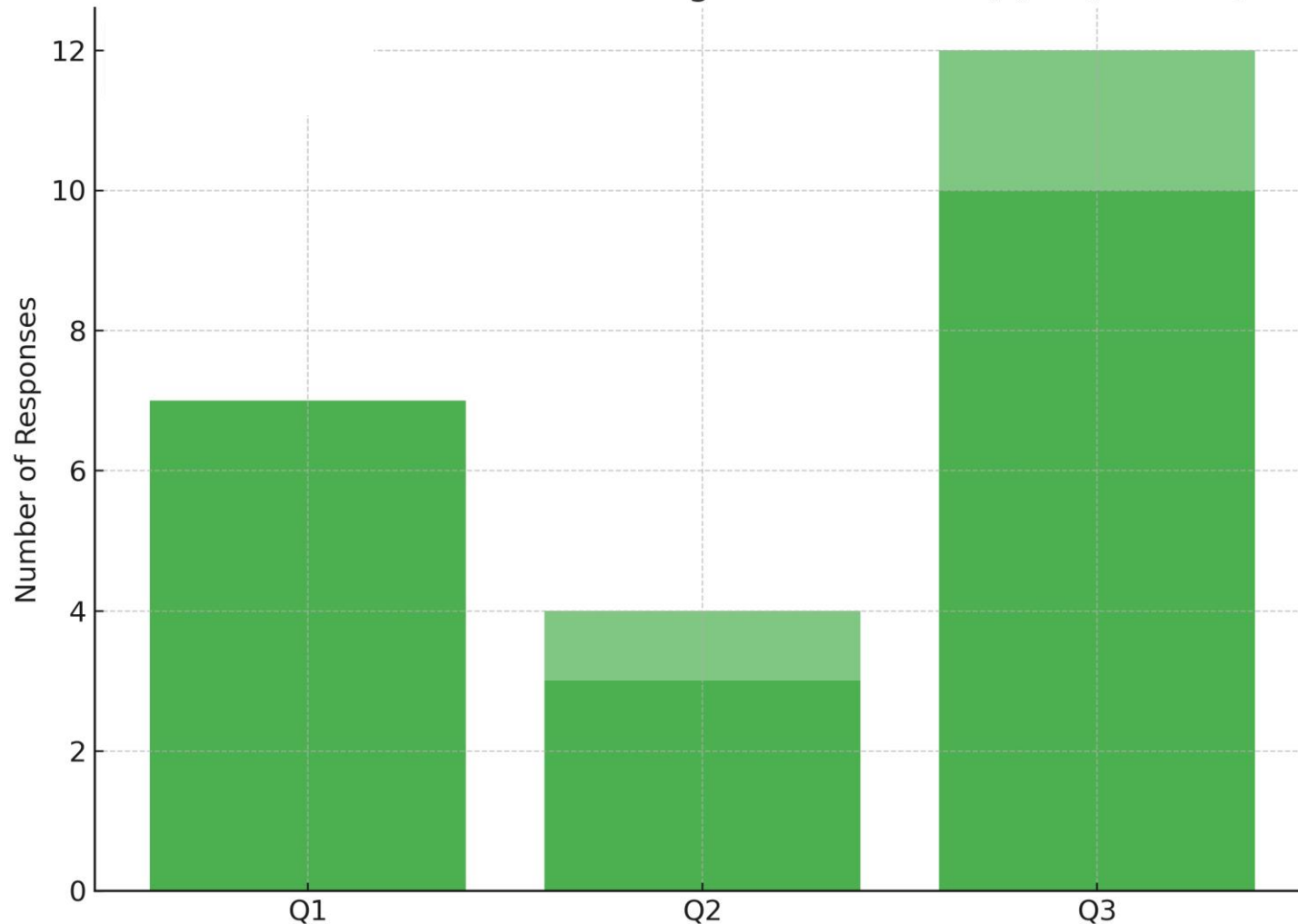


Stakeholder Perspectives 2025



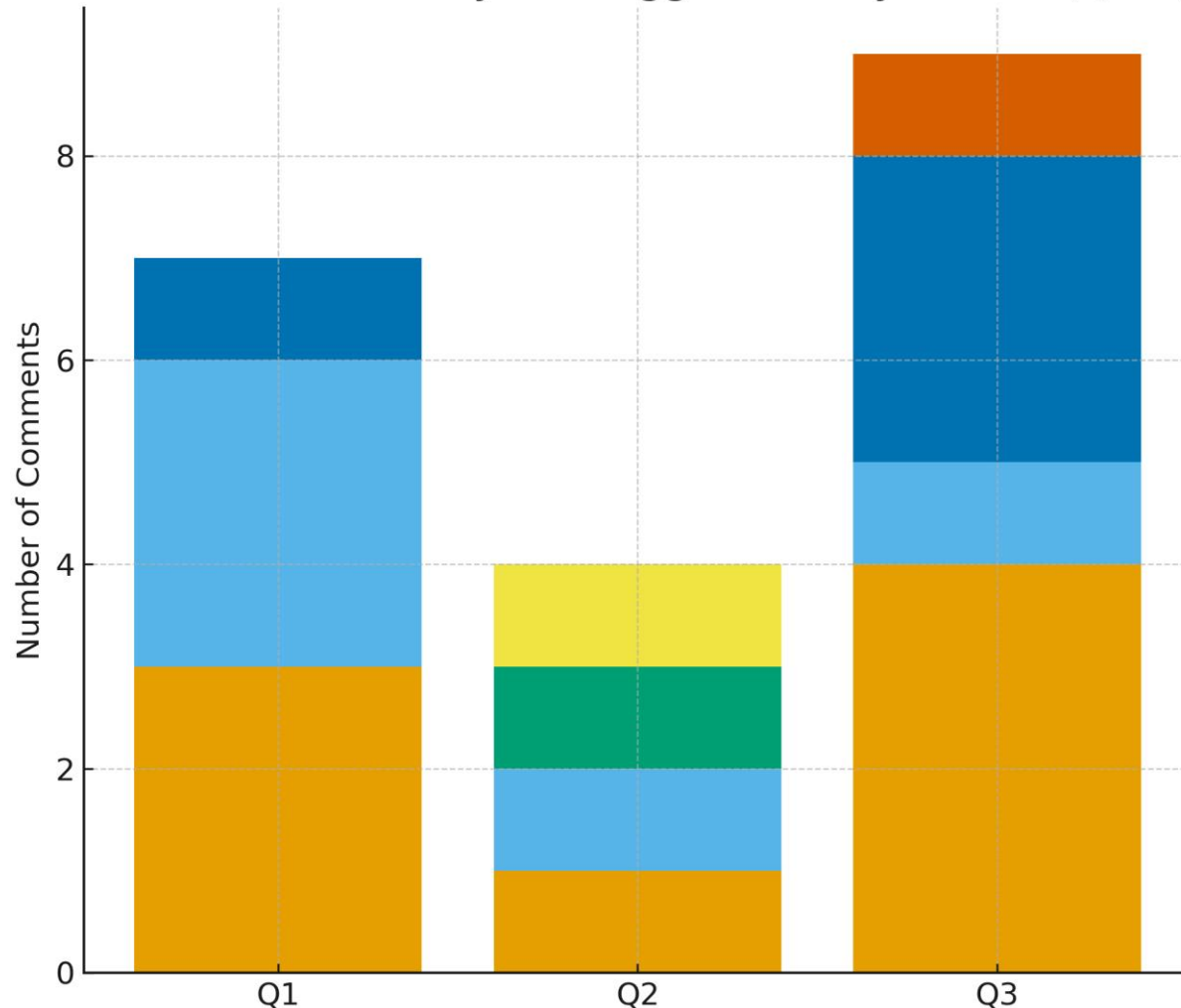
Stakeholder Perspectives 2025

Would you like these meetings to continue? (Q1-Q3 2025)



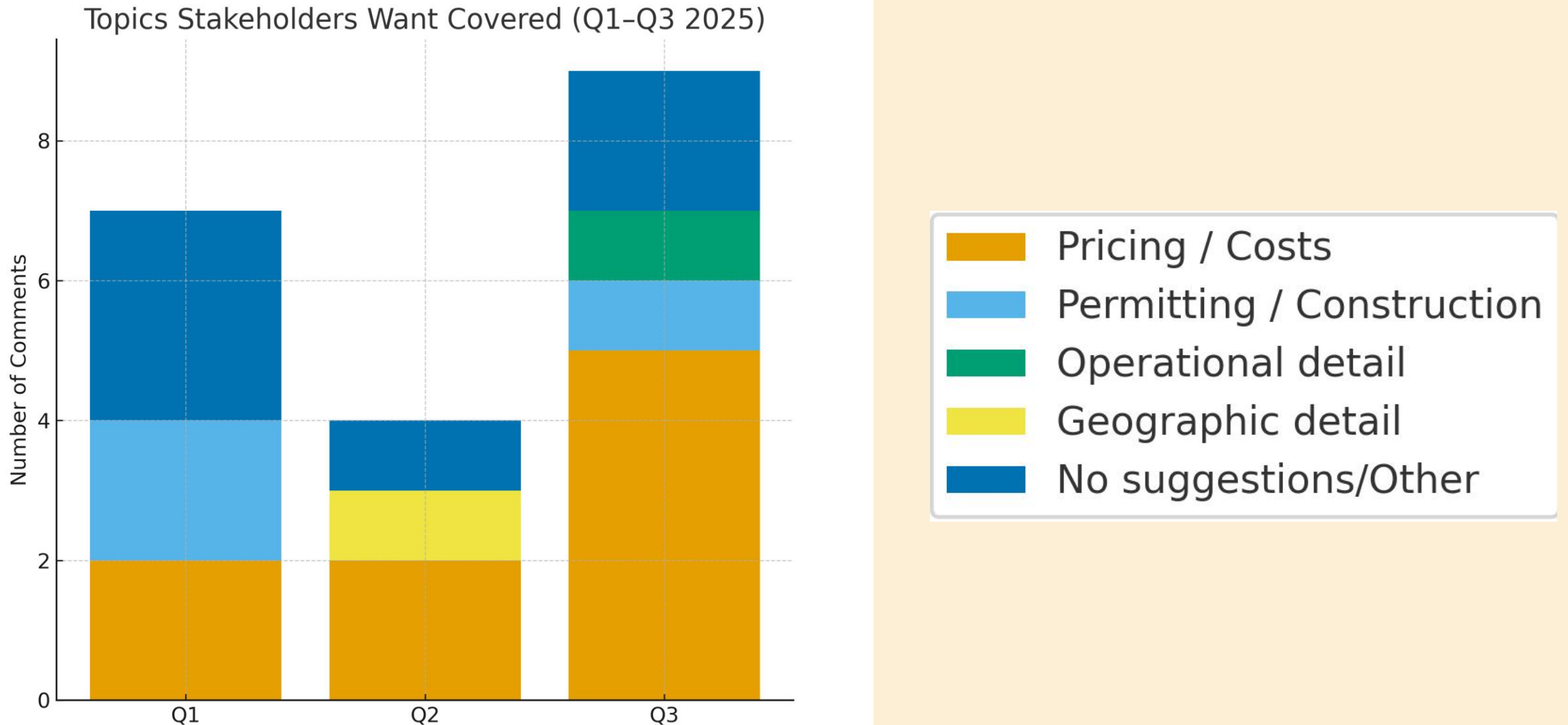
Stakeholder Perspectives 2025

What Can We Do Differently? — Suggestions by Theme (Q1-Q3 2025)



- No changes needed
- More detail/metrics
- Transparency
- Audio/technical quality
- Interactivity/Dialogue
- Stakeholder outreach

Stakeholder Perspectives 2025



CDT Project Update

Milestone Events

Vero Networks

Yurok Tribe

Hoopla Valley Tribe

Gateway Cities
Council of Governments

LA Bureau of Streetlighting



Middle-Mile Stakeholder Engagement

From Tribal Lands to Urban Centers



Video



Elias Karam

ASSISTANT DEPUTY DIRECTOR

Middle-Mile Broadband Initiative
California Department of Transportation

Caltrans Update



Caltrans Build



**Partner Builds:
Encroachment Permits**

Caltrans Update



Caltrans Build



Partner Builds:
Encroachment Permits



Caltrans Build

Fiber Miles

Construction Status Based on **305-mile** Caltrans Build

Ready to Construct	305 miles
In Construction	195 miles
Dig Smart Opportunities	7 miles
Construction Complete	103 miles





Network Hubs

Caltrans Responsibility: Design of **107 Shelter Network Hubs**



*Data as of 10/06/2025



Janice Benton

Deputy Director

Maintenance & Operations
California Department of Transportation

Caltrans Update



Caltrans Build



**Partner Builds:
Encroachment Permits**



Partner Builds: Caltrans Encroachment Permits

MMBN Encroachment Permits Status

**CDT Partners Submitted Applications for
2,708 miles (of a total estimated 3,337 miles)**



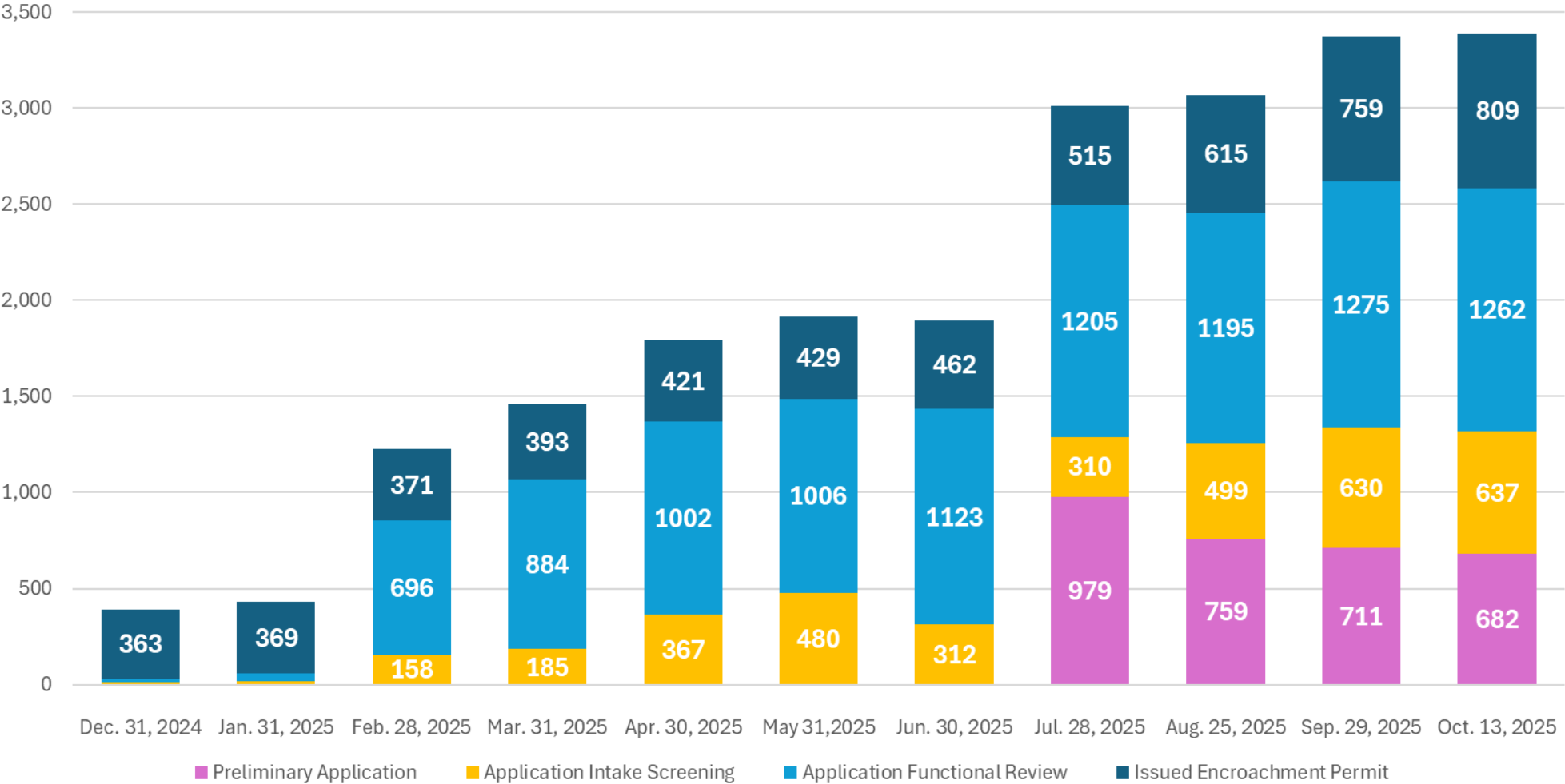
Note 1: Data as of 10/13/2025

Note 2: Miles reported in the Caltrans Encroachment Permit System (CEPS) are different from the CDT estimate as CDT partners are refining project scope.



MMBN Encroachment Permits Status

Encroachment Permit (Build Miles) by Month





Partner Builds: Caltrans Encroachment Permits

Miles by Partner

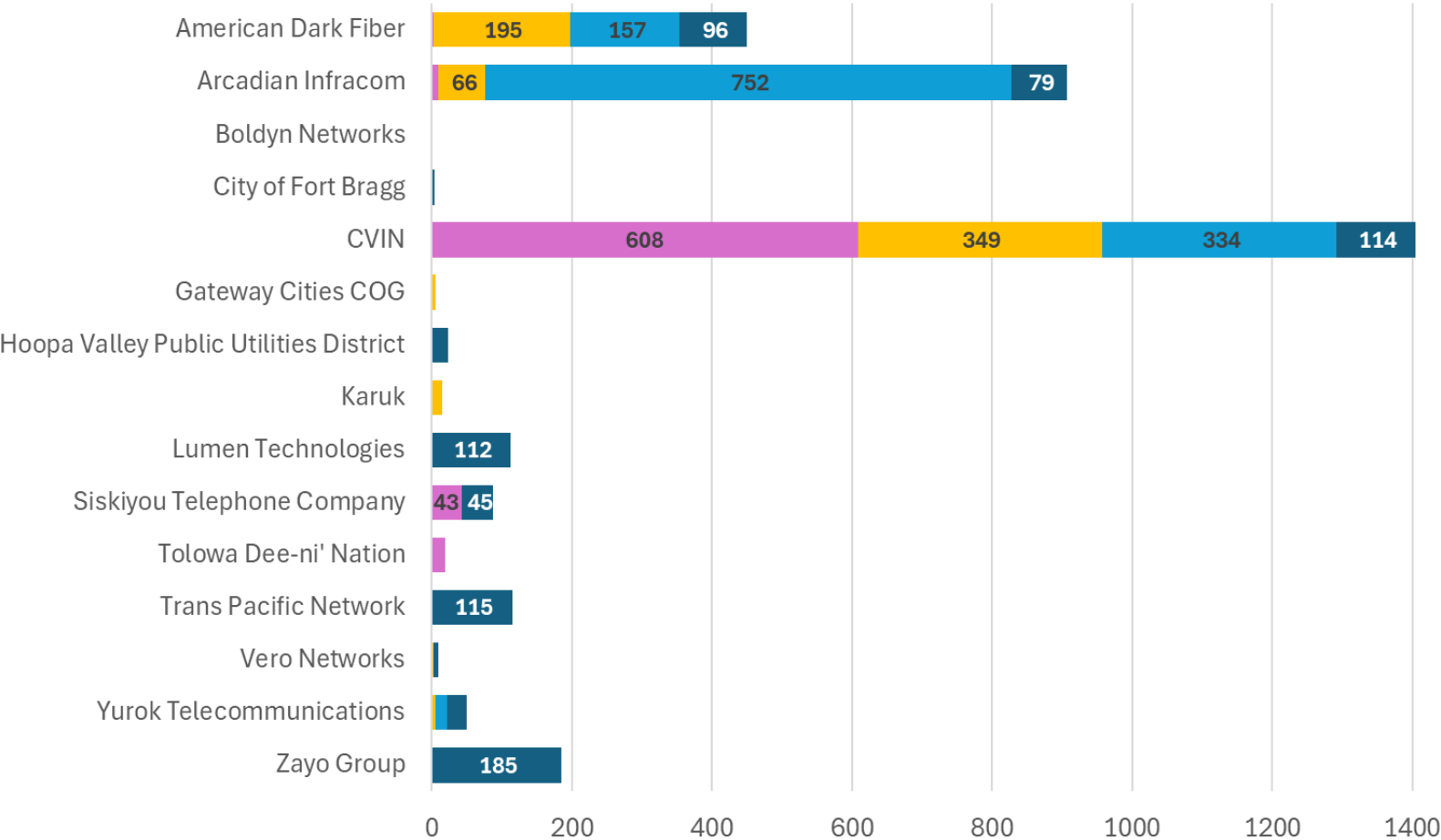
■ Preliminary Application ■ Application Intake Screening ■ Application Functional Review ■ Issued Encroachment Permit

Permit by Mile



Status	Miles
Preliminary Application	682
App Intake Screening	637
App Functional Review	1,262
Issued Encroachment Permit	809
Total	3,390

Miles by Partner & Status



* Total excludes Digital 395, which preceded MMBI



Partner Builds: Caltrans Encroachment Permits

Application Count by Partner

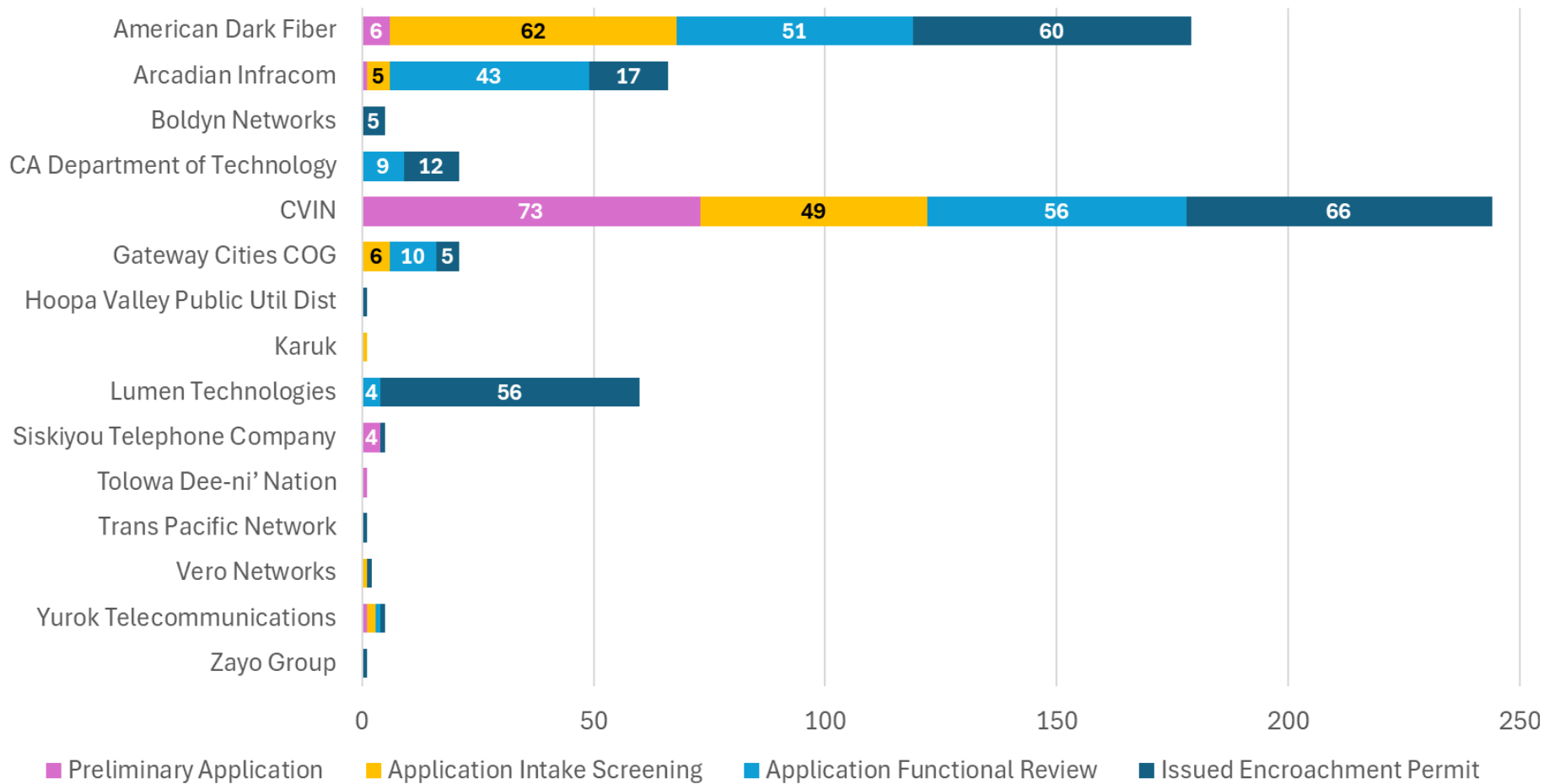
Permit Count by Status



- Preliminary Application (86)
- Application Intake Screening (126)
- Application Functional Review (174)
- Issued Encroachment Permit (227)

613 Total Permits

Partner Count by Partner & Status

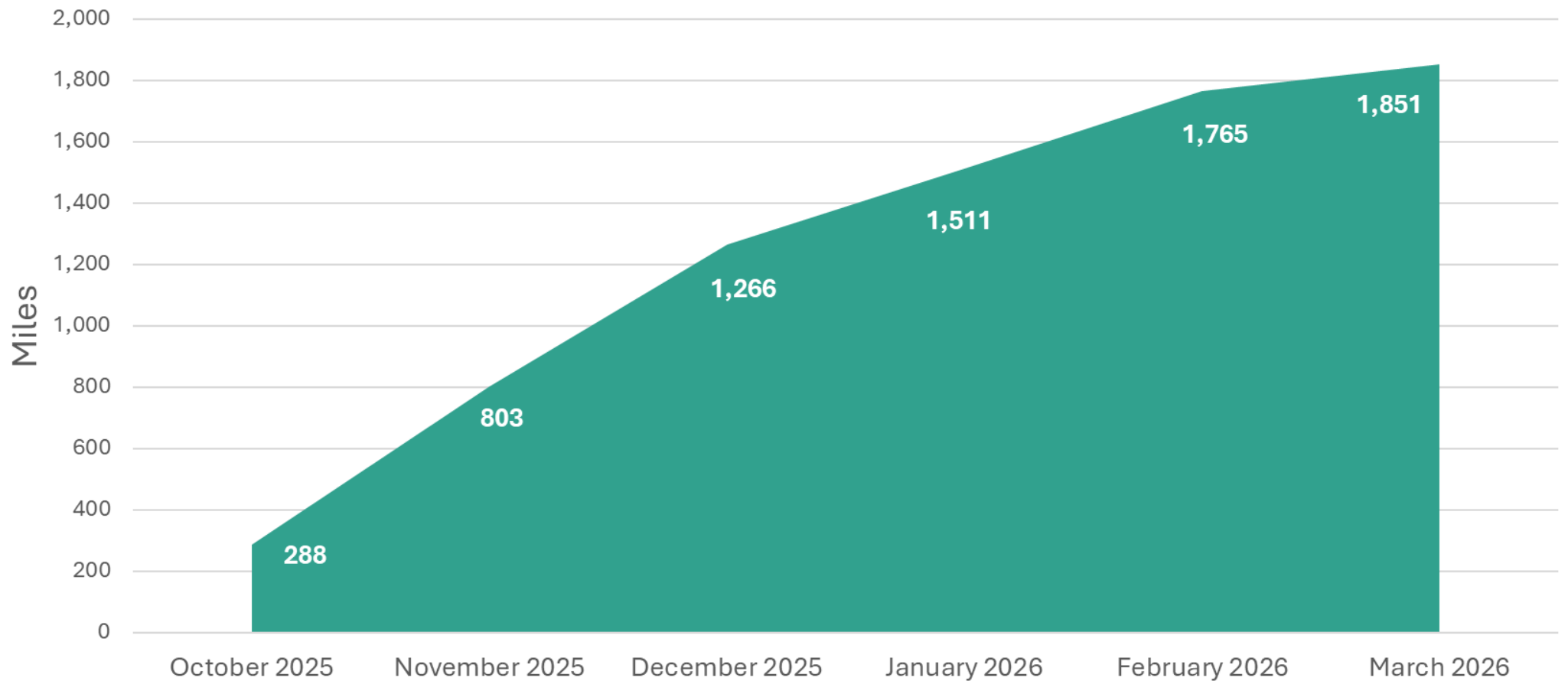




Partner Builds: Caltrans Encroachment Permits

6-Month Lookahead

CDT Master Schedule: Encroachment Permit Deliverables ETAs



Data as of 10/15/2025



Erik Hunsinger

PRESIDENT & CHIEF OPERATING OFFICER

GoldenStateNet

Connecting the Routes

Coordinating Partner Connections:

- Design, Engineering, and Planning the interconnection of various fiber solutions from the MMBI partners.
- 475 Partner Interconnects Across Network
- Documenting location, cable data and planned network allocations in Fiber Management System.



Non-Highway Design and Permitting

GSN is assisting with the **network components off Caltrans right-of-way**

Approx. **4,000 miles** of fiber network:

- Designed routes that are not on Caltrans right-of way
- Collaborating with Caltrans and MMBI partners to ensure there are no gaps in the network

21 hubs:

- Executed permits with local municipalities
- Executed 15 Agreements with utility companies to obtain power at hub sites
- Negotiating Leases with 18 property owners to place hubs



Sustainability: Revenue Generation

Revenue-Generating Opportunities Beyond FFA Grantees

- **Carrier Interest:** A dozen carriers are actively evaluating budgets to purchase access to the MMBN
- **Commercial Buyers** typically plan major purchases 12-18 months in advance
- **Early Utilization:** Buyers will use MMBN dark fiber to strengthen existing networks and do not need to wait for full network completion





Maria Ellis

Deputy Director, Broadband

California Public Utilities Commission

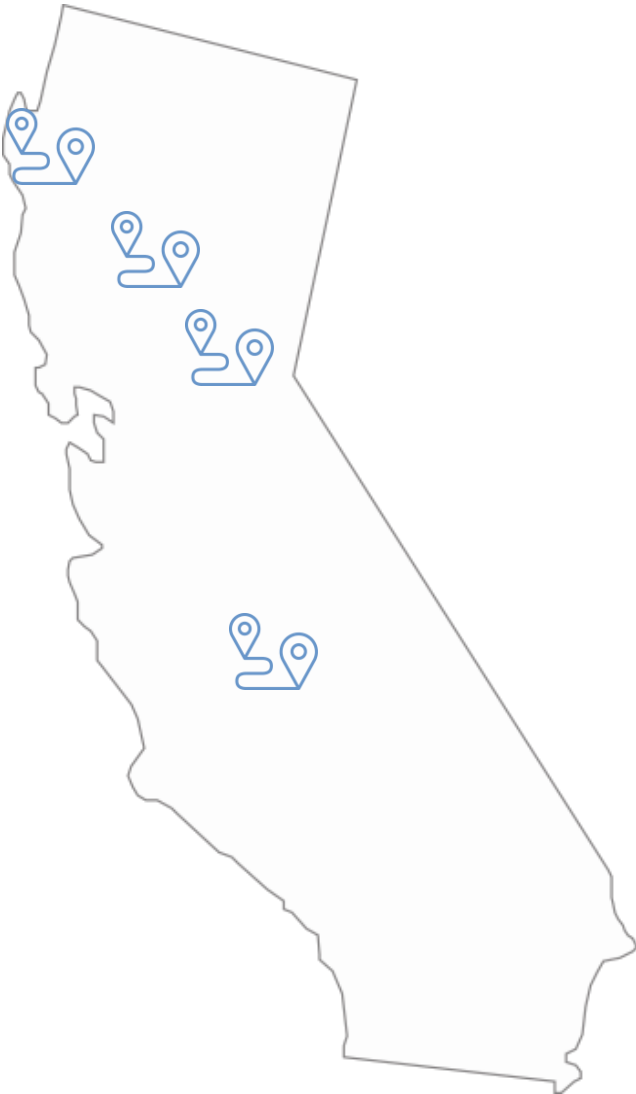
CPUC Last Mile Summary

Broadband Programs & Investments Overview

	Broadband Equity Access and Deployment (BEAD)	California Advanced Services Fund (CASF)	Loan Loss Reserve Fund (LLR)	Last Mile Federal Funding Account (FFA)
Amount	~\$1.86 billion	\$136 million for 2025-26	\$50 million	~\$2 billion (thru Fiscal Year 27-28)
Summary	Funds for planning, infrastructure and adoption starting in 2026	Funds broadband infrastructure and adoption in low-income housing, Tribal communities, and unserved areas	Provides collateral to local government, Tribes, and nonprofits to finance their own broadband Infrastructure	Funds for last-mile broadband infrastructure projects in every county
What's Next?	Implementing the BEAD Restructuring Policy Notice	Infrastructure, Line Extension, Tribal Technical Assistance, Adoption and Public Housing grant cycles	Awarded \$50 million	Evaluating 2nd Round Applications for Award

CPUC Last Mile Update

Federal Funding Account Ground-Breaking Events



City of Placerville

- El Dorado County in August. To celebrate a project designed to provide competitive access from multiple service providers over the last-mile open access infrastructure to benefit all locations in the project area.

City of Chico

- Butte County in August. To celebrate the start of a city-owned municipal utility aimed at providing up to ten gigabit (10G) internet to underserved areas in the City of Chico.

Hoopla Valley – Humboldt County

- Humboldt County in August. The Hoopa Valley Tribe hosted a groundbreaking ceremony for the SB 156 Middle Mile Broadband Project. As the first Tribe in California to partner with the CDT on the joint build, this milestone advances digital equity and infrastructure in Tribal communities.

Fresno County

- Fresno County in August. To celebrate the groundbreaking of a project proposed to offer up to 5 gigabit (5G) internet to unserved locations in the county, including Fresno City College and Raisin City Elementary School.

CPUC Last Mile Update

Building Last Mile Networks



City of Placerville-El Dorado County



AT&T- Fresno County



City of Chico-Butte County



AT&T- Fresno County



Hoopa Valley-Humboldt County

CPUC BEAD Update

BEAD Restructuring Policy Notice

- NTIA approved a request from California to submit its Final Proposal on November 21, 2025, further maximizing the "Benefit of the Bargain (BOTB)"
 - Increase competition and drive down costs for taxpayers
 - Conduct an additional project application round for areas that CPUC could not award a priority application after 1st round
- Final Proposal will be available for public comment prior to Commission vote

Updates are posted to CPUC BEAD website regularly

BEAD 2.0 BOTB Round 2 Timeline

Event	Date
Prequalification	
Application opens	Tuesday, September 16, 2025
Application closes	Thursday, October 2, 2025, 6 p.m PST
Benefit of the Bargain Round 2 (Subgrantee Selection)	
Application reopens	Thursday, September 25, 2025
Application closes	Friday, October 3, 2025, 6 p.m PST
Resolution and Final Proposal issued for Public Comment	TBD
Final Proposal Submission	Friday, November 21, 2025

PUBLIC COMMENTS

Sign up:
Broadband for All Newsletter



Next MMAC Meeting:
Friday, January 16th

MiddleMile@state.ca.gov

THANK YOU!

Please join us at our next MMAC Meeting

**Friday, January 16, 2025
10:00 a.m. – 12:00 p.m.**

MiddleMile@state.ca.gov