CALIFORNIA ALL — BROADBAND FOR ALL

# Middle-Mile Advisory Committee

January 20, 2023

# AGENDA

- Welcome

- Executive Report

- Project Updates

- Public Comment

# Mark Monroe

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

## Recap

- Proceeding with execution phase
- Bids for construction contracts & Indefeasible Right of Use (IRU)leases
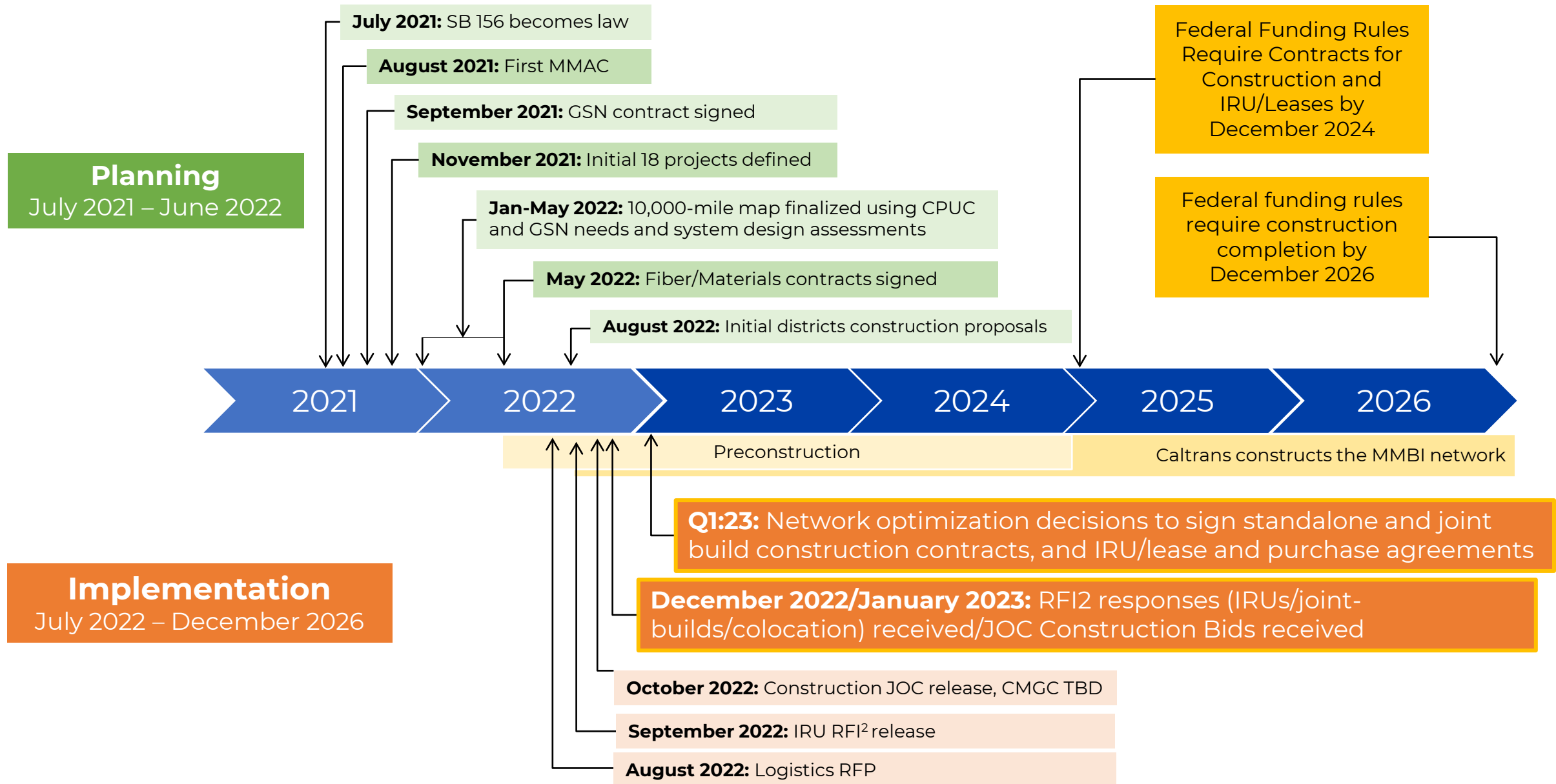
## Updates

- Statewide – CDT
- Build Efforts – Caltrans
- Business Model & Market Plan – GoldenStateNet
- Last Mile Coordination – CPUC

## Coming up

- Contract execution



May 2022 Statewide Network Design
County Boundaries

100 Miles

6/13/2022

# CDT Project Recap

**Planning**
July 2021 – June 2022

**Implementation**
July 2022 – December 2026

**July 2021:** SB 156 becomes law

**August 2021:** First MMAC

**September 2021:** GSN contract signed

**November 2021:** Initial 18 projects defined

**Jan-May 2022:** 10,000-mile map finalized using CPUC and GSN needs and system design assessments

**May 2022:** Fiber/Materials contracts signed

**August 2022:** Initial districts construction proposals

Federal Funding Rules Require Contracts for Construction and IRU/Leases by December 2024

Federal funding rules require construction completion by December 2026

2021  2022  2023  2024  2025  2026

Preconstruction

Caltrans constructs the MMBI network

**Q1:23:** Network optimization decisions to sign standalone and joint build construction contracts, and IRU/lease and purchase agreements

**December 2022/January 2023:** RFI2 responses (IRUs/joint-builds/colocation) received/JOC Construction Bids received

**October 2022:** Construction JOC release, CMGC TBD

**September 2022:** IRU RFI$^2$ release

**August 2022:** Logistics RFP

# Request for Innovative Ideas (RFI$^2$)

- **RFI$^2$ – Alternative Development**

  - IRU/leases: 5 bids

  - Conduit: 1 bid

  - Joint-Build: 3 bids

  - Purchased Infrastructure: 1 bid

  - Colocation Facilities: 5 bids

  - Other Bids: 7

# Scott Adams

**Deputy Director
Office of Broadband and Digital Literacy
California Department of Technology**

## Large Convenings

- 12/1 California Women, Infants & Children (WIC) Association
- 12/2 - Central Valley Community Foundation - Council of Business Sponsors
- 12/8 - CA Department of Food & Agriculture (CDFA) / State Fair Directors Meeting
- 12/16 - Hoopa Valley Tribe, Karuk Tribe, Yurok Tribe
- 1/11/23 - Tribal Engagement; South – Districts 7, 8, 11, 12
- 1/17/23 - Tribal Engagement; North – Districts 1, 2, 3, 4
- 2/2/23 - Tribal Engagement; Central – Districts 5, 6, 9, 10

## Related Engagements

- 12/2 - California Stakeholder FCC Broadband Mapping Challenge Webinar
- 1/10/23- Nation Governor's Association & AASHTO Broadband Permitting Presentation

# **Janice Benton**

## Assistant Deputy Director, MMBI
## California Department of Transportation

# Project Delivery Update

## Bid Advertisement Closed

- 5,200 miles - Job Order Contracts

- 1,895 miles - Construction Manager/General Contractor

## Currently Advertised

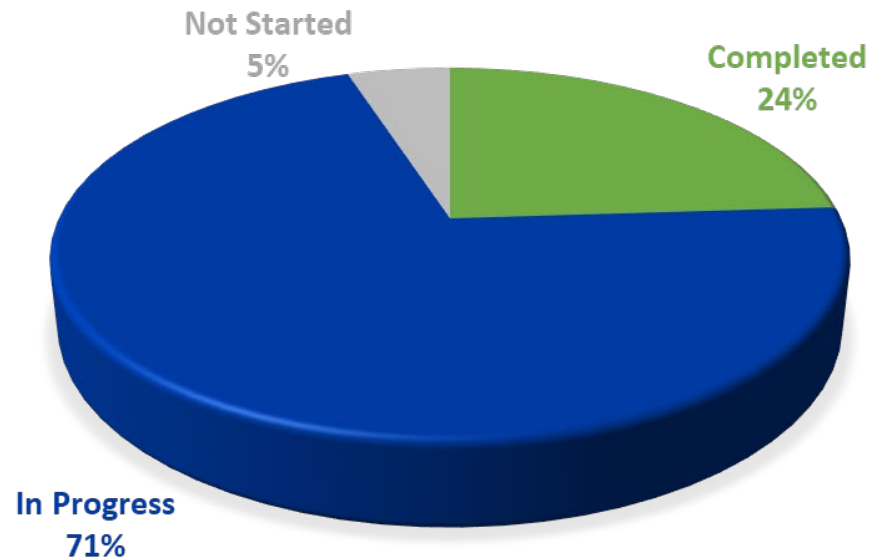- 460 miles – Construction Manager/General Contractor
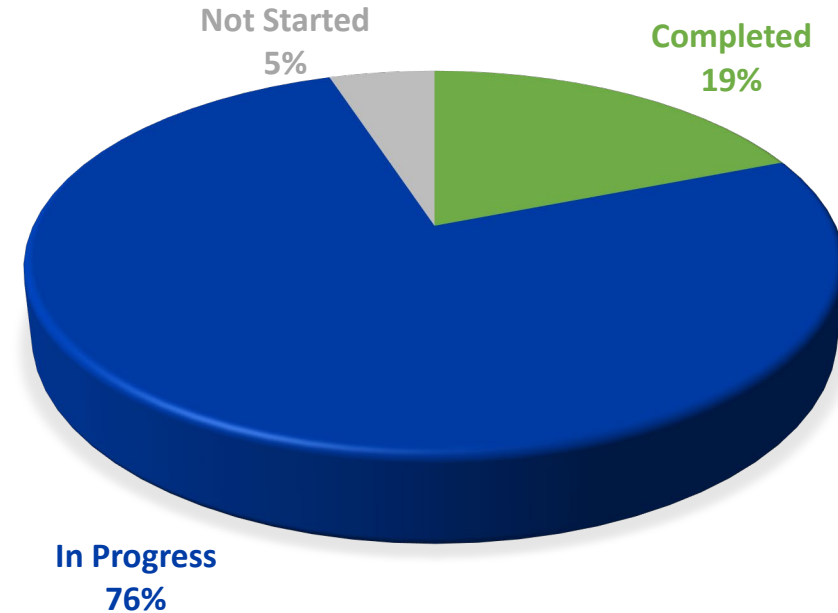
## Environmental Permitting Progress
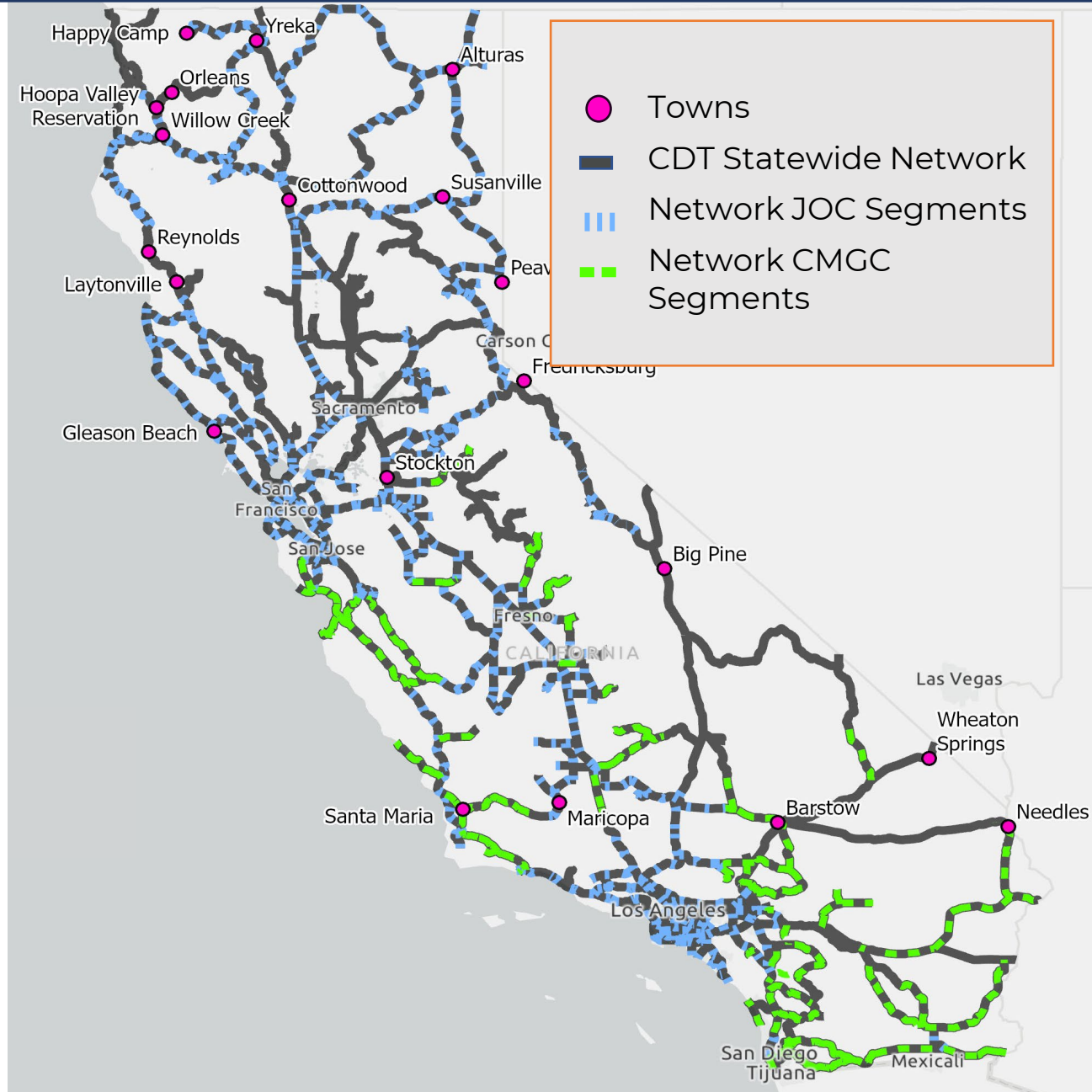
# Progress on Preconstruction

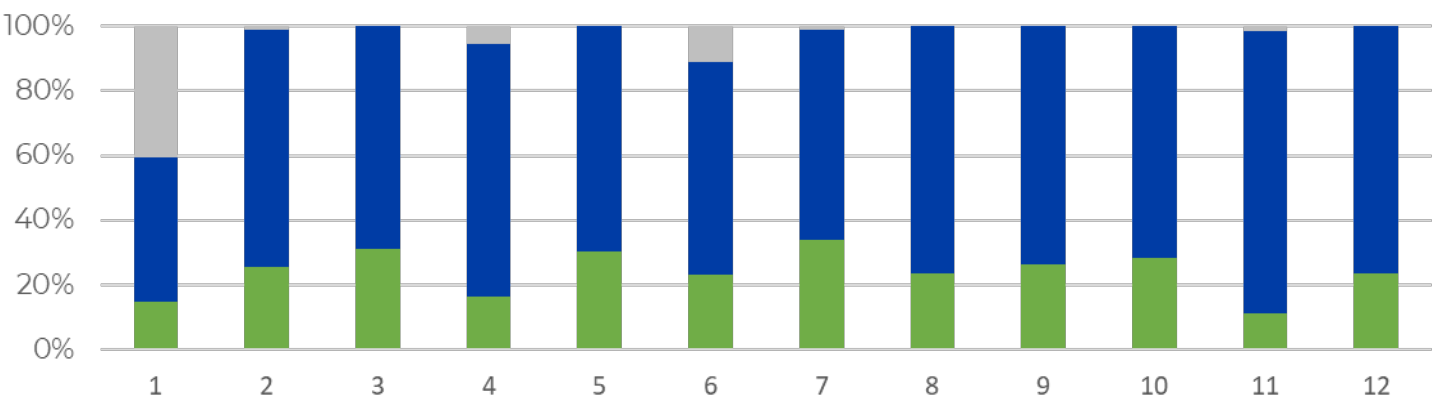**Environmental, Permitting and Design Progress**

**January 2023**

Not Started
5%

Completed
24%

In Progress
71%

**November 2022**

Not Started
5%

Completed
19%

In Progress
76%

*Data as of 13 January 2023

# Project Delivery Updates

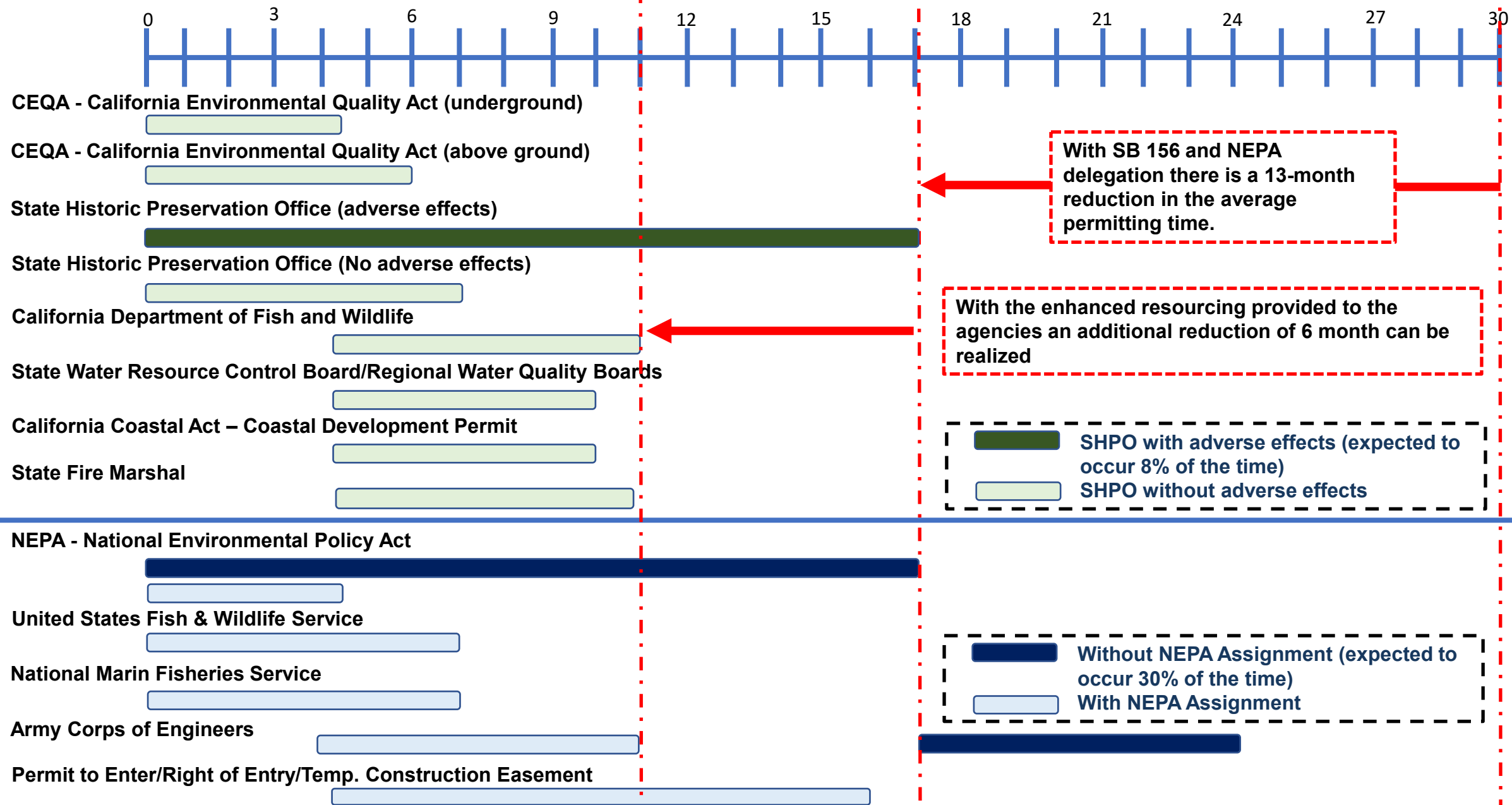Preconstruction progress by Caltrans district.



January 2023

November 2022
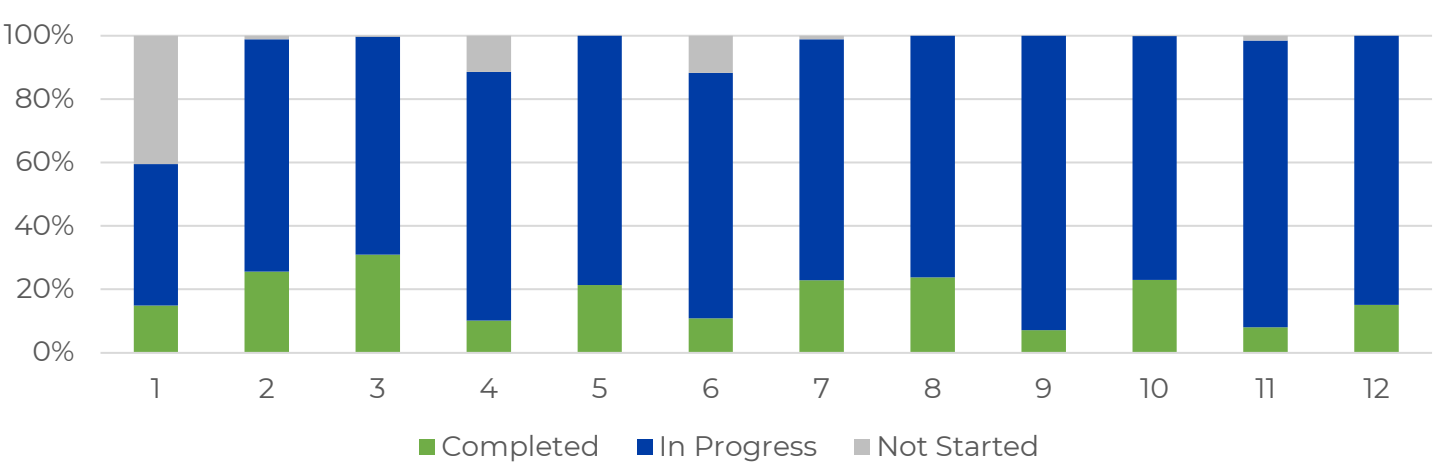
Completed    In Progress    Not Started

*Data as of 13 January 2023

## Environmental Programmatic Permitting and Approvals

✓ **CEQA** (Statutory Exemption)
✓ **NEPA** (NEPA Assignment)
**U.S. Army Corps of Engineers** (Section 404/10 Permit)
**U.S. Fish & Wildlife Service** (Section 7 Request)
**State Water Board** (Section 401 Permit)
✓ **State Water Board** (Section 402 - Construction General Permit)
**CA Department of Fish & Wildlife** (Section 1602 Permit)
✓ **CA State Historic Preservation Office** (Section 106)
**CA Coastal Commission** (Consolidated Coastal Development Permits)

**1**

**2**

**3**

**4**

**5**

**6**

## Projects Leverage Programmatic Approaches

### July 2023 - March 2024

**U.S. Fish & Wildlife Service**
**Available** Section 7 Programmatic Biological Opinion (July 2023)
**CA Coastal Commission**
Consolidated Coastal Development Permit
**Submit:** Application (Jan 2024), Hearing Scheduled (Mar 2024)
**CA Department of Fish and Wildlife**
**Available** Section 1602 Master Agreement

### May 2023 - June 2023

**U.S. Army Corps of Engineers**
**Available** 404/10 Permit (May 2023)
**State Water Board**
**Available** Section 401 permit (June 2023)

### January 2023 - February 2023

**State Water Board**
**Submit:** 401 Permit Certification Application (Feb 2023)
**U.S. Fish & Wildlife Service**
**Submit:** Section 7 Endangered Species Act Request (Feb 2023)
**CA Coastal Commission**
**Underway:** Coordination with Regional Coastal Commission Offices on Consolidated Permit Applications (Jan 2023)

### August 2022 - September 2022

**CA State Historic Preservation Office**
✓ **Available** Section 106 Programmatic Agreement
**U.S. Army Corps of Engineers**
✓ **Submitted:** 404/10 Permit Application (Aug 2022)
**U.S. Fish & Wildlife Service**
✓ **Underway:** Coordination on Species List for Section 7 Request (Sep 2022)

### October 2022 - December 2022

**State Water Board**
✓ **Available** Programmatic Permit Under Construction General Permit (Dec 2022)
**CA Coastal Commission**
✓ **Underway:** Coordination with Local Coastal Programs for Consolidated Permit (Oct 2022)
✓ **Posted:** MMBN Coastal Guidelines for Programmatic Permit (Dec 2022)
**CA Department of Fish & Wildlife**
✓ **Underway:** Coordination with Regional Offices for Section 1602 Master Agreements

# Tony Naughtin

## President and Chief Operating Officer
## GoldenStateNet

## RFI2 Process for Lit Services, IRUs, Joint Builds, Colo, other offerings

- Assist in qualifying/assessing bid responses as requested by CDT

- Coordinate with CDT for negotiations with qualified respondents

## Program Plan Additions for Execution Phase

- "Assemblies" construct revisited

- Develop strategic development plan with CDT and Caltrans for sequencing timeline to *ensure logistics efficiencies, operational priorities, Quality Assurance*

## Optimization of Service Architecture (active electronics)

- Capex-Opex cost reduction plan reducing number of network devices in initial deployment

- Results in greater cost-effectiveness without reducing network coverage, services to be offered, Quality of Service, or network resiliency

- Expandable architecture as needed

## Community and Tribal Engagement

- Significant, growing engagement with tribes

- Continued outreach with municipal and regional organizations

- Coordination and planning with Office of Broadband & Digital Literacy (OBDL)

## Fiber Management System and Other Key Software Applications

- Purchase of Fiber Management System (FMS)  bid under RFP

- Integration plan for use of FMS within OSP construction processes

- Populate Geographic Information System (GIS) and related data into FMS system, complete training and bring into production use

- Move ahead promptly with RFPs for other systems: Inventory Management System (IMS), Customer Relationship Management (CRM), Billing, other

## Additional TPA work:

- Practices and policies for physical security of network facilities

- Operational planning and resources

- Additional GSN hiring

- Guidance for Interagency Agreement (IAA) & Right of Way Use Agreement (RUA)  between Caltrans-CDT

- Refinements and additions to Go-To-Market (GTM) plan

- On-going business model work

# Jonathan Lakritz

## Communications Division
## California Public Utilities Commission

## $50 Million for Local and Tribal Governments

- To facilitate last-mile broadband infrastructure projects
- Supporting local agency and Tribal efforts to expand broadband to families and communities lacking sufficient internet access

## Eligibility

- Broad eligibility for public entities and Tribes
- Eligible costs are for pre-construction deliverables, such as environmental permits, engineering studies, and strategic plans
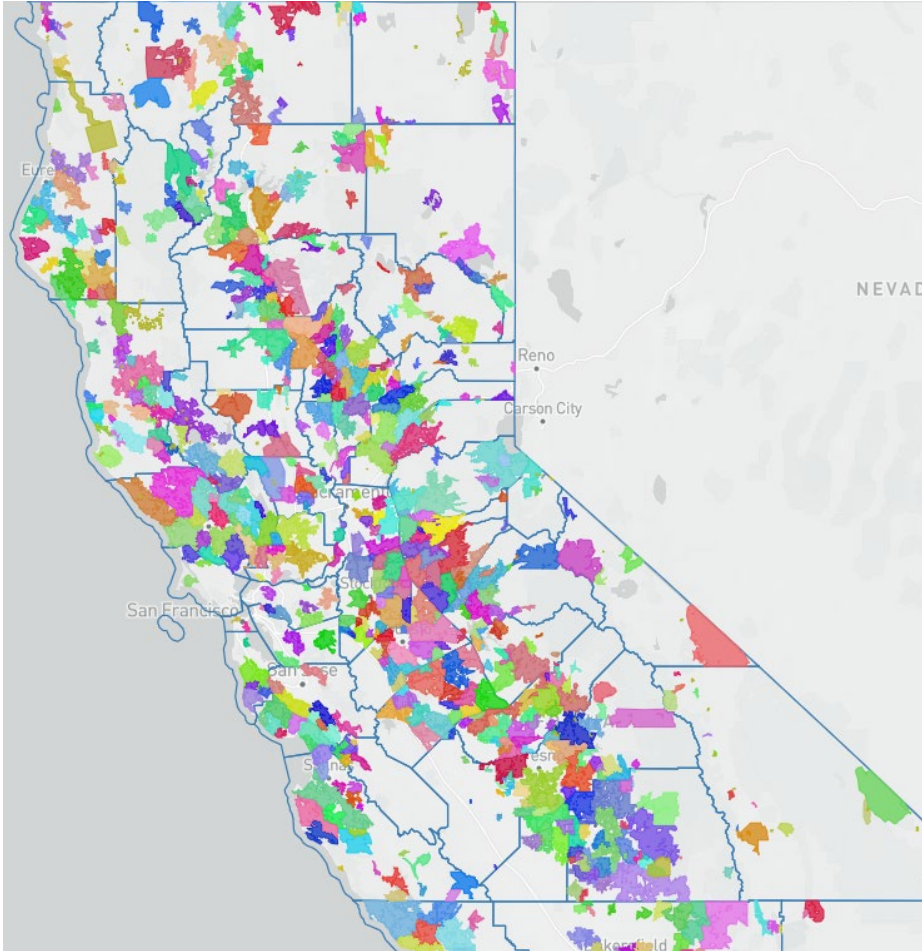
## Applications

- 69 grants awarded a total of $30.2 million through December 2022
- From August through December 2022, 111 applications received requesting a total $50.61 million

County Map of Technical Assistance Applications

**Priority Areas Public Map**

## Federal Funding Account Priority Areas

The $2 billion Federal Funding Account is for last-mile broadband infrastructure.

- **Priority areas** are pre-defined eligible areas where entities can apply for funds.
- Designed to support a sustainable business case for the service provider.
- Entities eligible to apply include Tribes, service providers, public entities, and non-profits.
- Priority Areas Map is available.

## Broadband Adoption and Digital Equity

Grants to public entities and community-based organizations for digital literacy and broadband access projects

- 74 projects awarded $5.9 million
- Action on remaining 24 applications in February 2023

## Consortia

Regional consortiums of public entities and community-based organizations to help deploy broadband infrastructure and service by assisting with broadband grant application development.

- 15 applications awarded $10.33 million in January 2023

## Public Housing and Low-Income Communities

Grants to build broadband networks offering free broadband service for residents of low-income communities that include but not limited to, publicly supported housing developments, and housing or mobile home parks with low-income residents.

- 19 projects awarded $1.4 million



California Advanced Services Fund Adoption Account Center for Elders' Independence digital literacy project grantee

# 2022 Broadband Investment Last-Mile Broadband Initiative Snapshot

|  | TECHNICAL ASSISTANCE | LOAN LOSS RESERVE FUND | FEDERAL FUNDING ACCOUNT | CALIFORNIA ADVANCED SERVICES FUND |
|---|---|---|---|---|
| **Amount** | $50 million | $750 million | $2 billion | $150 million/year |
| **Summary** | Assist local governments & Tribes to prepare for broadband infrastructure investments. | Enable local governments & nonprofits to secure financing for broadband infrastructure. | Fund last-mile broadband infrastructure projects in every county. | Assist with broadband infrastructure deployment & adoption in public housing, Tribes, & unserved areas. |
| **Target** | Apply monthly now | Proposed Decision in first half of 2023 | Evaluate the priority areas and prepare to apply | Apply in the next cycle for adoption, public housing, & line extension accounts |

# THANK YOU!