



**BROADBAND
FOR ALL**

Middle-Mile Advisory Committee

July 22, 2022





AGENDA

- Welcome
- Executive Report
- Project Updates
- Public Comment

Mark Monroe

Deputy Director

California Department of Technology

MMBI Progress on Statewide Network – Executive Summary



Recap

- **Fiber contract**
- **Statewide 10,000 mile MMBI network map**
- **GoldenStateNet lease alternatives**
- **Project transition to execution phase**

Updates

- **Statewide & Initial 18 – CDT**
- **Build Efforts – Caltrans**
- **Lease Options – GoldenStateNet**
- **Last Mile Coordination – CPUC**
- **Local Engagement – CDT**

Coming up

- **Market Research – CDT**

Recap

- **Fiber contract awarded May 2022**
 - **Supplies ready for use starting January 2023**
- **Statewide 10,000-mile MMBI network map**
 - **Delivered June 2022**
- **Project transition to execution phase starting June 2022**
 - **Caltrans continues build efforts**
 - **GSN continues to explore lease options**
 - **Balance build and lease to optimize statewide coverage**



Initial 18 Locations: Discovery Phase



Janice Benton

Division Chief

California Department of Transportation

Project Delivery Update

STATEWIDE NETWORK (~10,000 Miles)

- **Pre-construction underway = 9,040 miles**
- **Begin Build Approximately**
 - **June 2023 – December 2024**

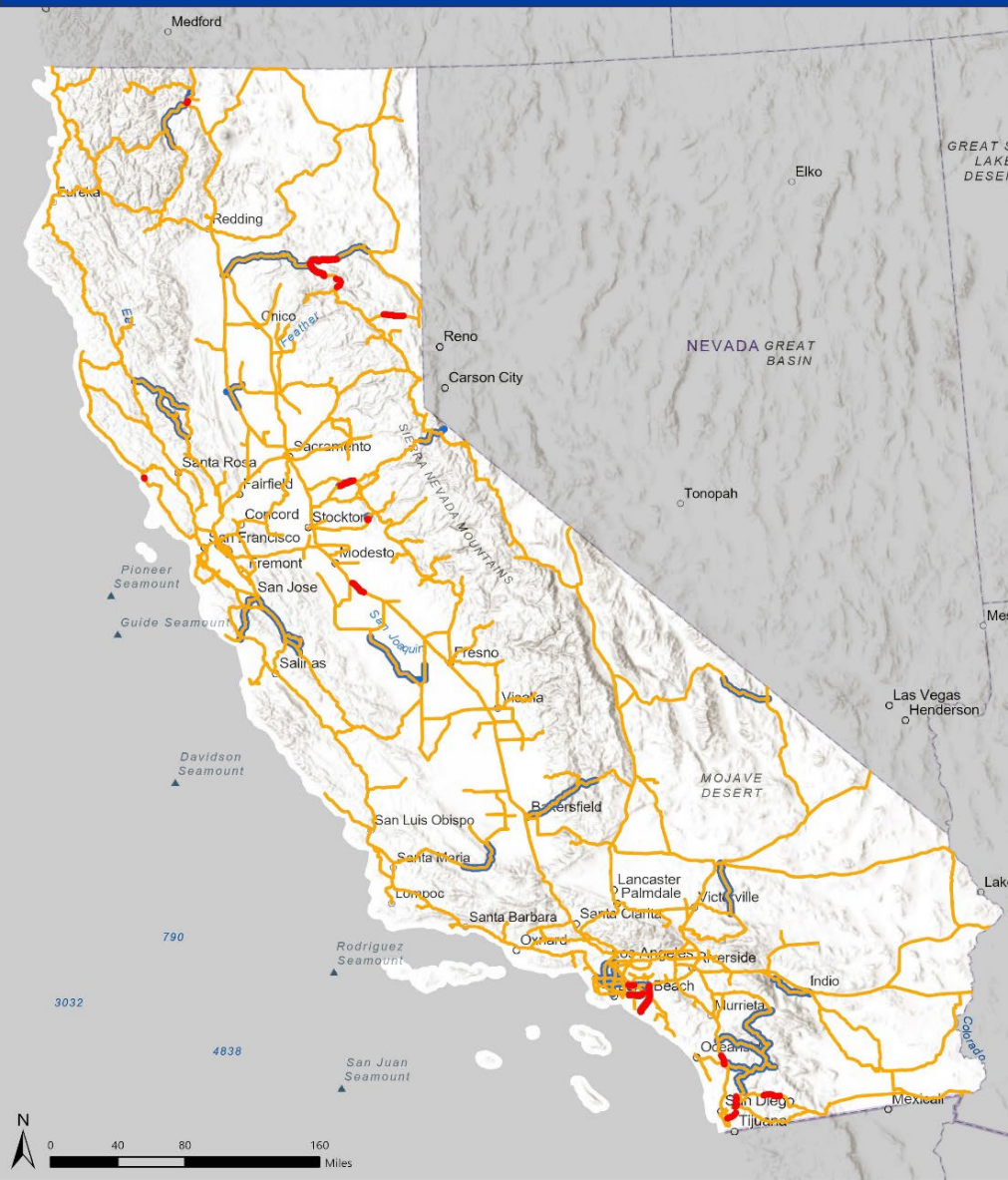


Project Delivery Update

INITIAL 18 Projects

- **Pre-construction (Preliminary Engineering/Environmental Studies Underway)**
 - **Total = 39 Project components (~853 Miles)**
- **Construction Begin Estimated**
 - **Location 18 - October 2022**
 - **October 2022 – December 2024**





Dig Smart Opportunities

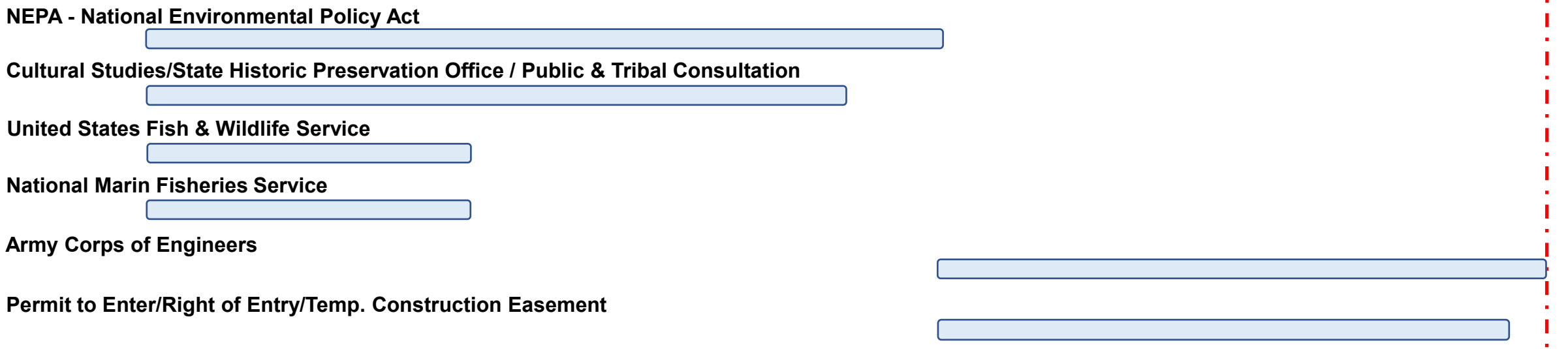
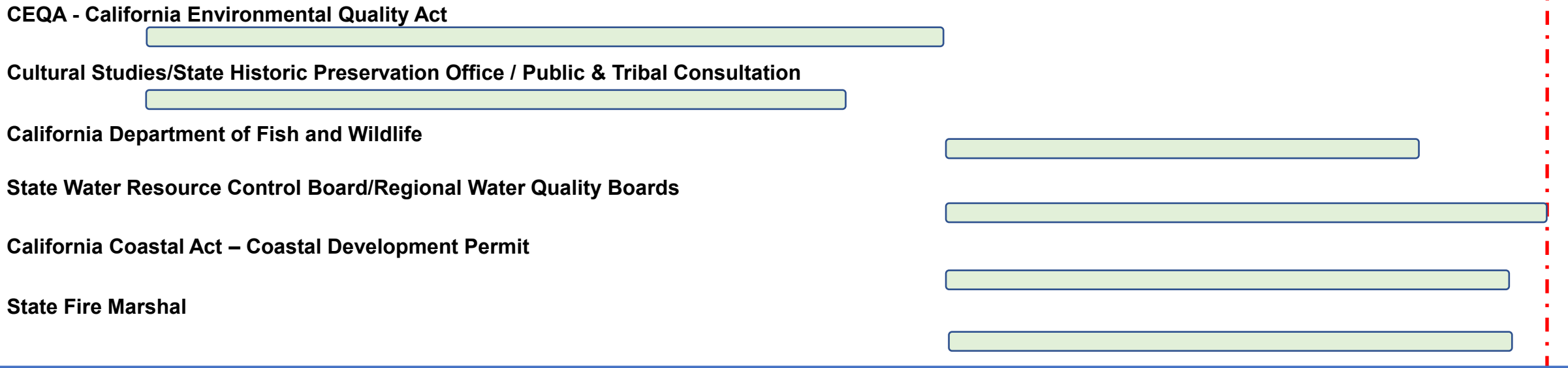
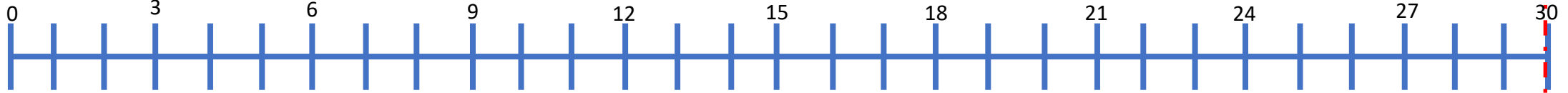
DIG SMART	Initial 18 MMBI Locations (~855 miles)		Non-Initial 18 MMBI Locations (~9,040 miles)		Total MMBI Network (~9,896 miles)	
	<i>Number of Viable Projects</i>	<i>Miles of Fiber</i>	<i>Number of Viable Projects</i>	<i>Miles of Fiber</i>	<i>Number of Viable Projects</i>	<i>Miles of Fiber</i>
Starting in 2022	3	22	7	61	10	83
Under Evaluation	9	88	70	496	79	584
Total	12	110	77	557	89	667

■ Project Areas
 — CDT Statewide Map
 — Construction Ready Projects

Pre-SB 156 Broadband Permitting Processes (in months)

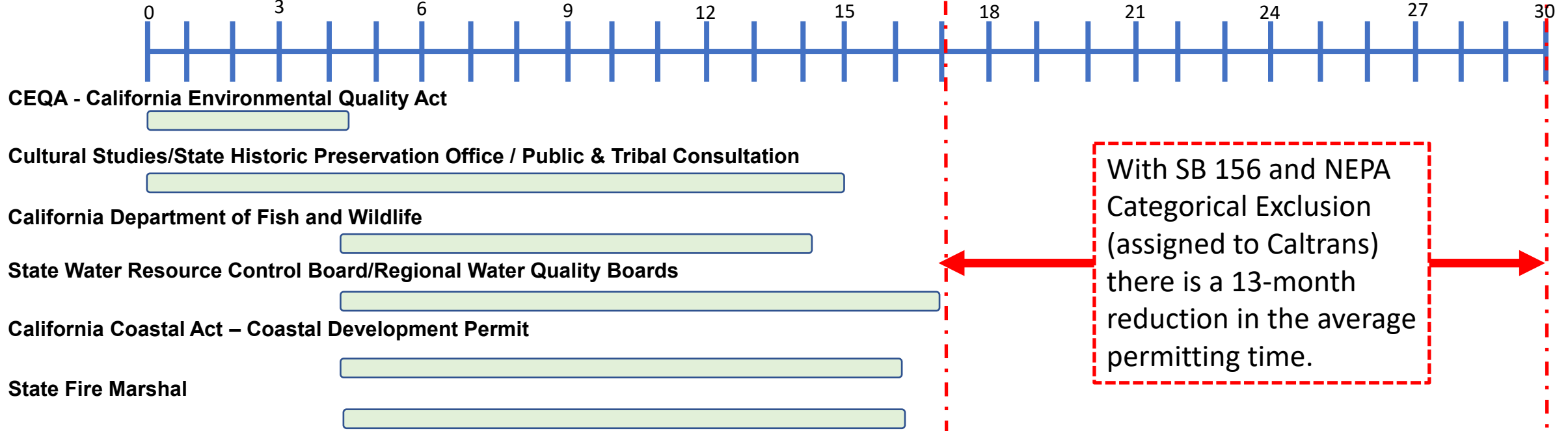
State Permitting

Federal Permitting



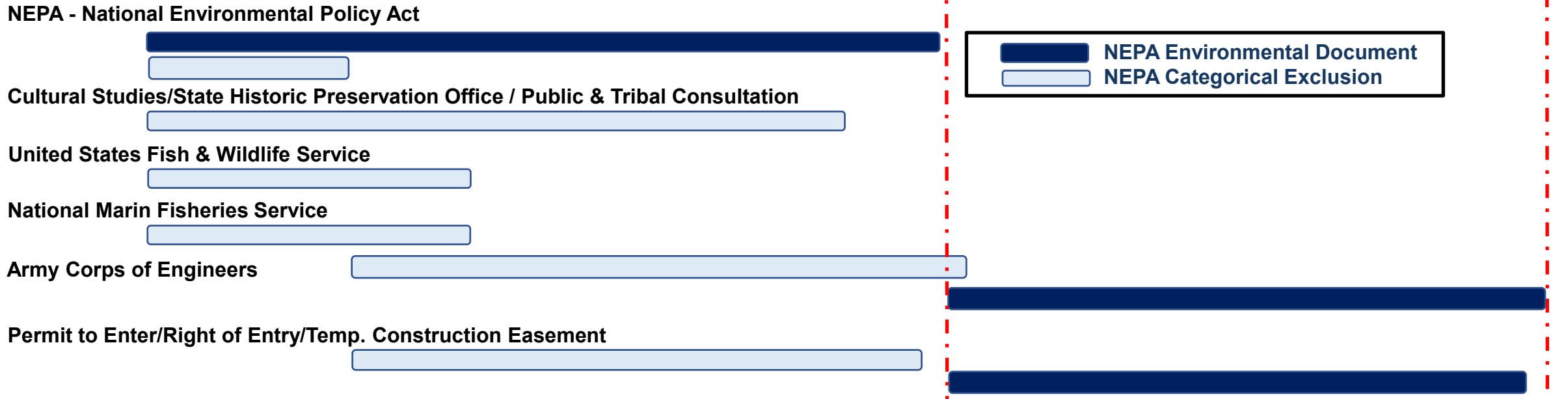
Post-SB 156 Permitting Processes (in months)

State Permitting



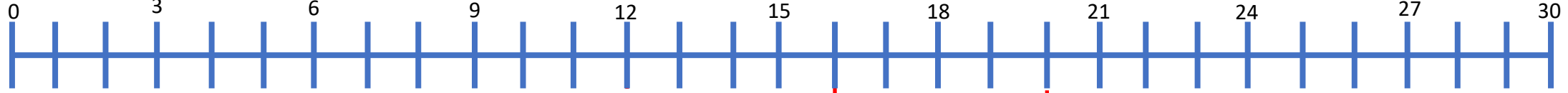
With SB 156 and NEPA Categorical Exclusion (assigned to Caltrans) there is a 13-month reduction in the average permitting time.

Federal Permitting



NEPA Environmental Document
 NEPA Categorical Exclusion

Complete Preconstruction – Initial 18 Projects (in months)



Design

Preliminary Engineering



Prepare Construction Contract



Utility Investigations



Right of Way Assessment & Certification



Advertise and Award Construction Contract



Permitting

CEQA - CE



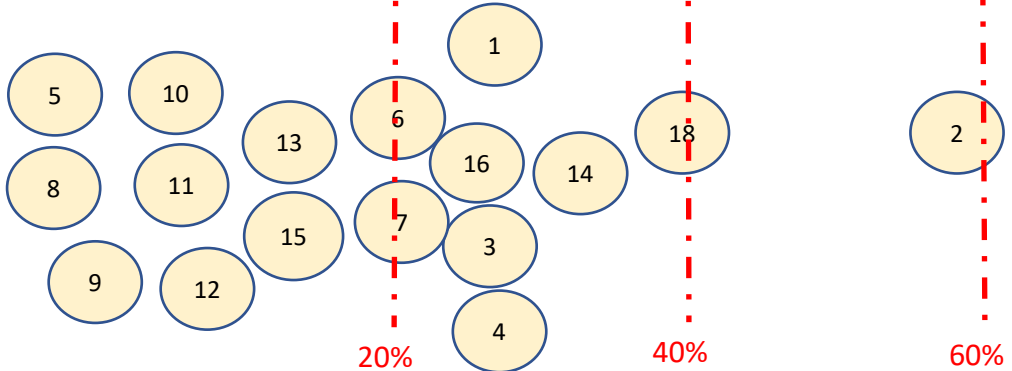
NEPA - CE



All other state and federal permitting



Initial 18 Projects



Tony Naughtin

**President and Chief Operating Officer
GoldenStateNet**

Ongoing Development and Deployment

- **New-build progress: 180-190 huts around state**
- **Finalizing specs for hut configuration, power, and HVAC**
- **Exploring joint building opportunities**
- **Exploring dark fiber IRU opportunities with carriers**
- **Active electronics (switches, routers, etc.) planning**
- **Continuing and expanding outreach with last mile communities, tribal governments, and last mile providers**

Completed

- **System Layer Design and Program Plan v.1.0 versions completed**



Jonathan Lakritz

Communications Division
California Public Utilities Commission

Local Agency Technical Assistance

\$50 Million for Local and Tribal Governments

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

Eligibility

- Broad eligibility includes cities, counties, community service districts, municipal utilities districts, school districts, electrical cooperatives, sovereign tribal governments, and Joint Powers Authorities
- Applications targeted to open on August 1, 2022

Examples of Local Agency Technical Assistance

- Includes pre-construction costs, environmental, feasibility, and engineering design studies or reports; needs assessments, broadband studies and plans



California Advanced Services Fund Broadband Grants Received

Broadband Adoption and Digital Equity

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

- **On July 1, CPUC received 99 projects, requesting a total of \$28,557,954**

Consortia

Regional consortiums of public entities and community-based organizations to help deploy broadband infrastructure and service by assisting applicants in California Advanced Services fund the project development or grant application process

- **Deadline was on July 15. Summary data available later this month**

Public Housing and Low-Income Communities

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

- **On July 1, CPUC received 19 projects, requesting a total of \$1,398,593**

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 per 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 for Grants: August**

Comment on proposal to be issued by August

Priority Areas to be released before applications open

Infrastructure Ruling comment requested

Scott Adams

Deputy Director

California Department of Technology

Local Engagement

- **Engaged with over 1,000 partners and stakeholders**
- **Local and tribal governments, consortia, metropolitan planning organizations, schools, libraries, non-profits, and agricultural interests**
- **Broadband for All roundtables**
- **Meetings and conferences**
- **Individual consultations**



Mark Monroe

Deputy Director

California Department of Technology



Market Research

- **Vendor briefing sessions on labor market for construction**
- **Market sounding on the demand for broadband**
- **Business plan for ongoing maintenance and operation**

THANK YOU!



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FOR ALL**