California
BROADBAND COUNCIL

California
DEPARTMENT OF TECHNOLOGY

Broadband Mapping

Executive Order Item 3:

The California Public Utilities Commission (CPUC) is requested to lead data aggregation and mapping efforts in collaboration with the California State Transportation Agency (CalSTA) and other relevant state agencies, local and tribal governments, and regional consortia. These efforts should address:

a. Locations without broadband access;

b. Information on public and private broadband network infrastructure;

c. State-owned infrastructure and rights of way;

d. The costs of deploying various middle and last-mile network components; and

e. Information to support the development of local broadband infrastructure deployment and digital equity plans.

Broadband Mapping

Completed

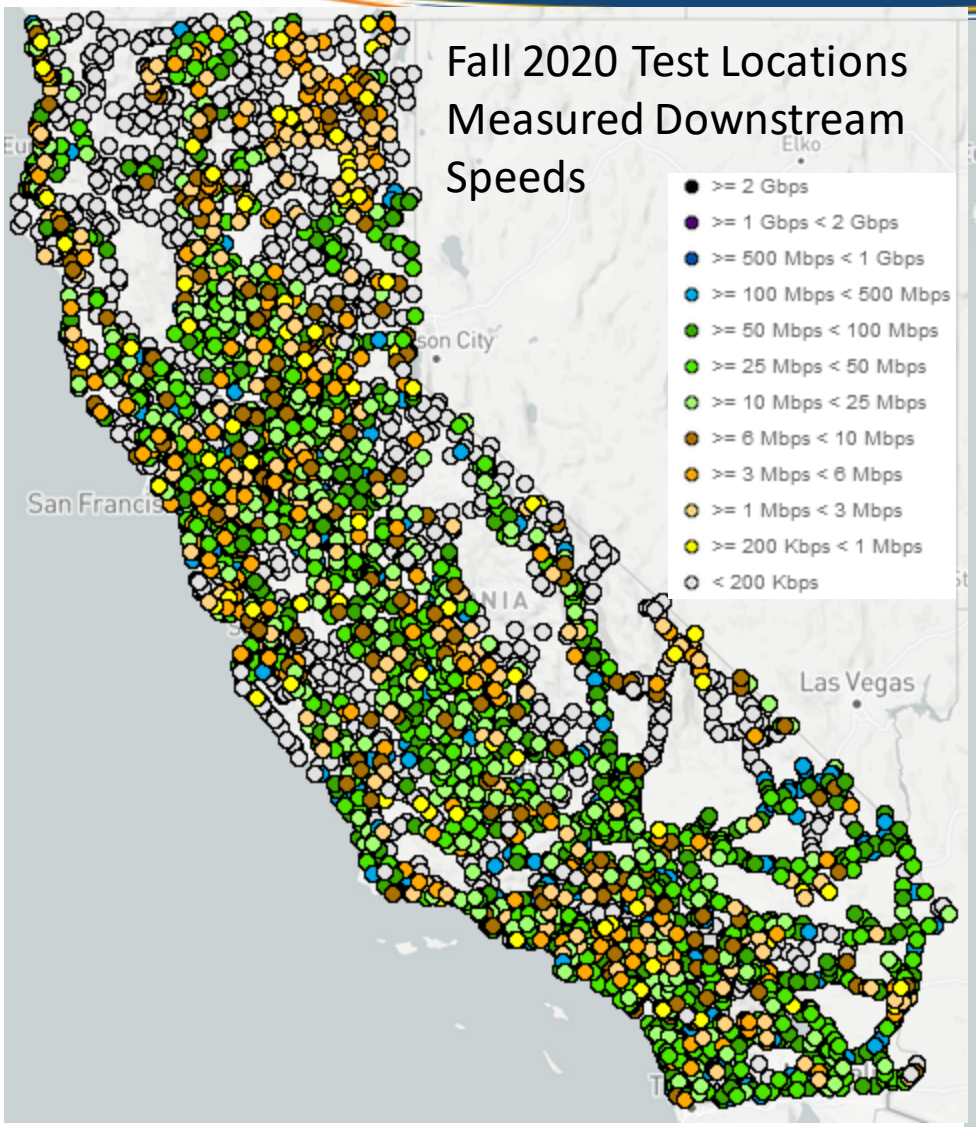
- Federal Digital Opportunity Data Collection docket
  - Federal Share Your Broadband Experience site
- Annual broadband data collection
- RDOF Award Areas
- CalSPEED mobile broadband testing
  - http://www.broadbandmap.ca.gov

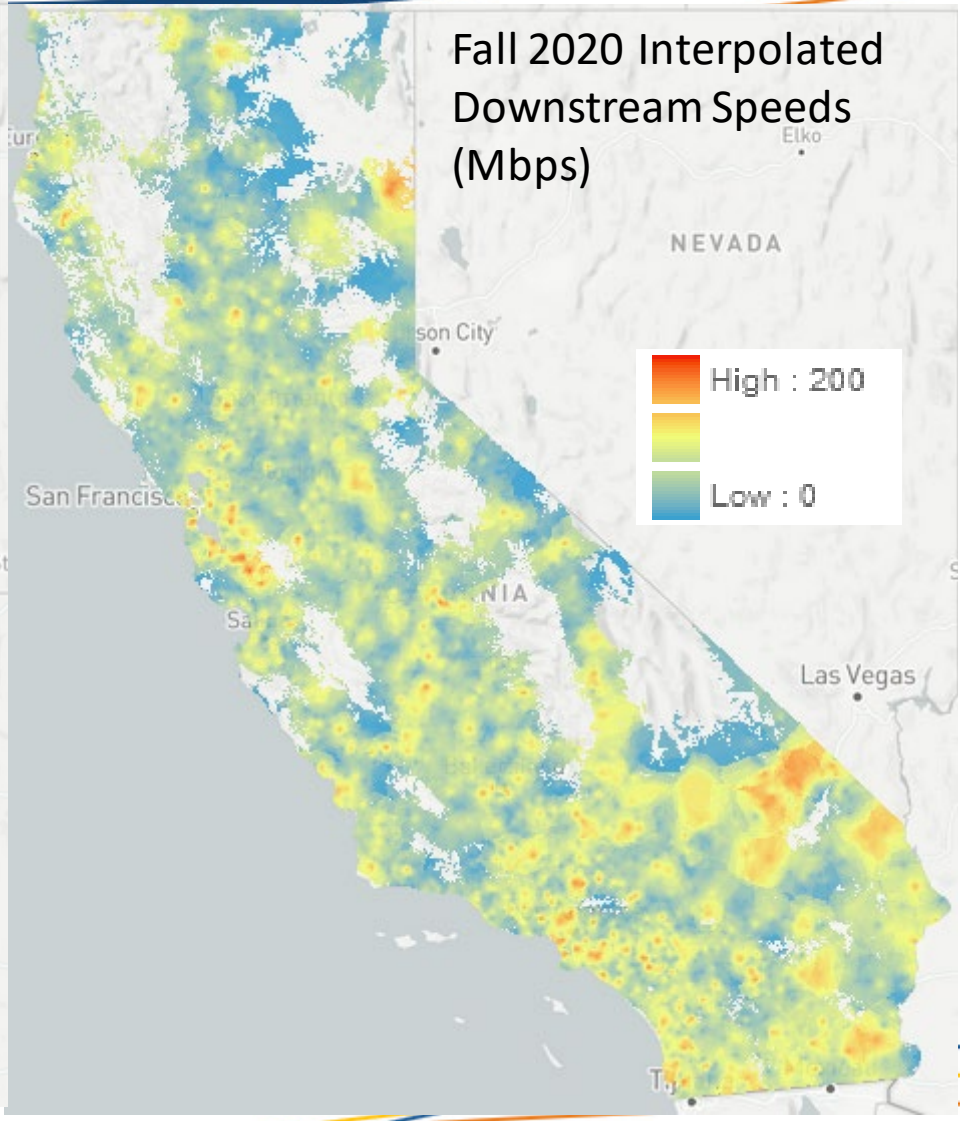
Broadband Mapping

In Progress

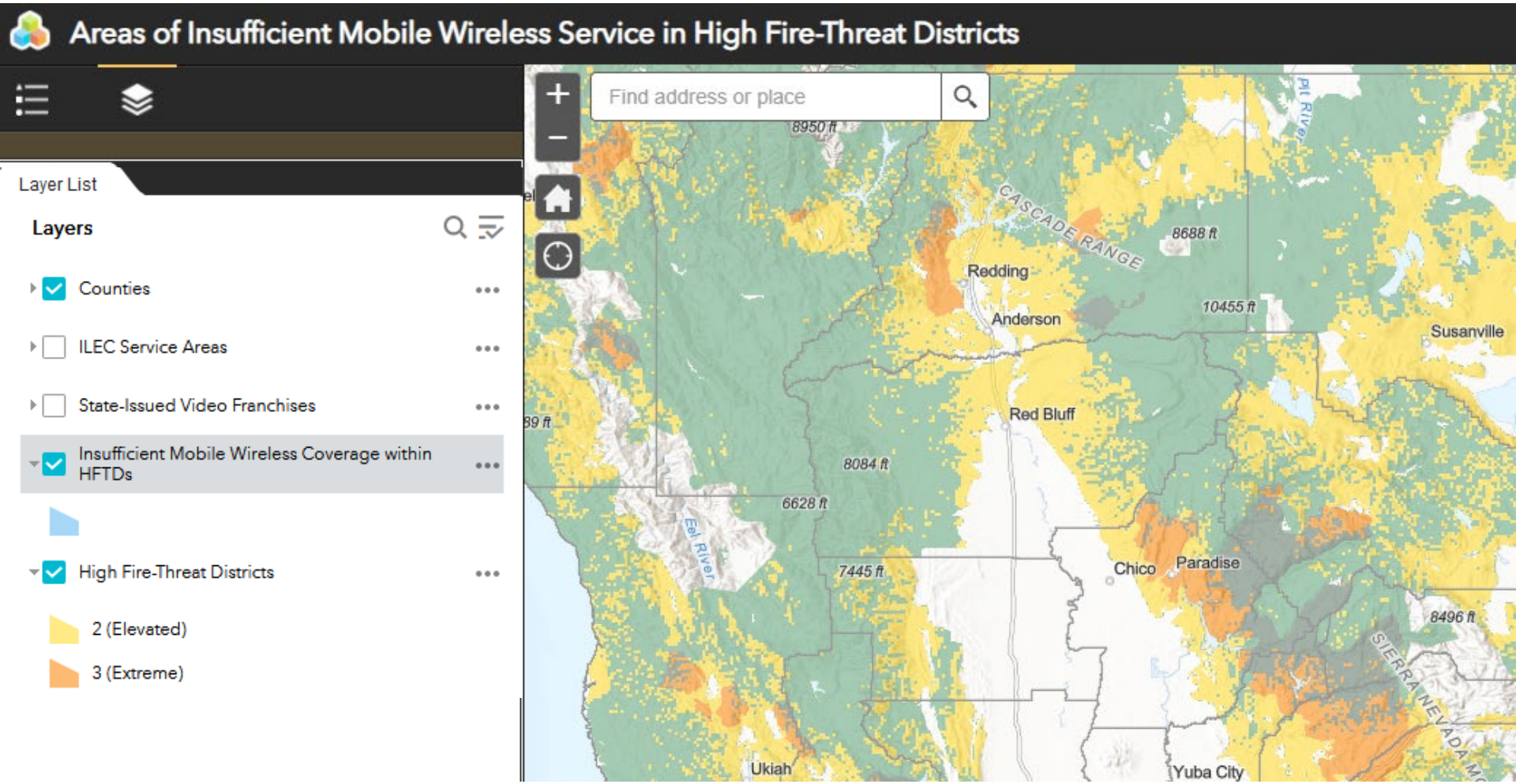
- Estimated Completion Date: ongoing
- Further engagement in federal docket
- Further mobile broadband testing
- CalSPEED testing to inform resiliency requirements (including backup power)
- Assisting the California Department of Technology with the Broadband For All portal

Fall 2020 CalSPEED Mobile Testing 4,000 locations





Mobile Coverage in High Fire Threat Areas



[Areas of Insufficient Mobile Wireless Service in High Fire-Threat Districts (arcgis.com)]

Broadband Access

Executive Order Item 8:

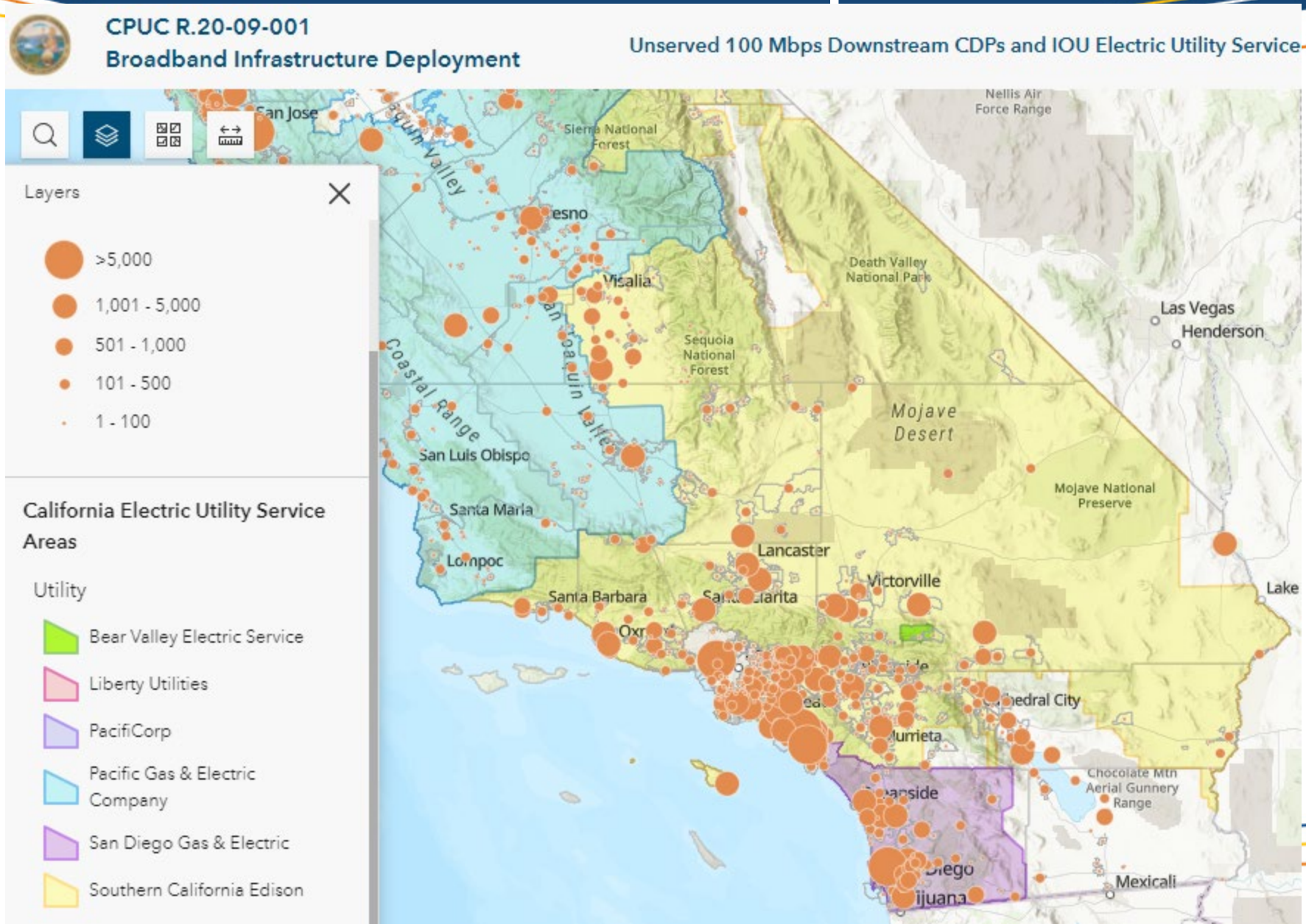
CPUC, in collaboration with CDT and other relevant agencies, is requested to seek opportunities to use programs under its jurisdiction to accelerate broadband deployment and to leverage utility infrastructure to increase access to existing fiber and cost-effectively deploy new fiber.

Broadband Access

In Progress

- Estimated Completion Date: Ongoing
- CPUC deployment proceeding (Rulemaking 20-09-001)
  - Order Instituting Rulemaking Regarding Broadband Infrastructure Deployment and to Support Service Providers in the State of California.
  - Map
  - Investor-Owned Utilities will submit pilot proposals by July 15, 2021

Investor-Owned Utility Service Areas & CDPs with < 100 Mbps



More information

California Public Utilities Commission Broadband Mapping

Administration May Revise Equitable and Broad Based Recovery Summary

Thank You!

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Executive Order Item 7

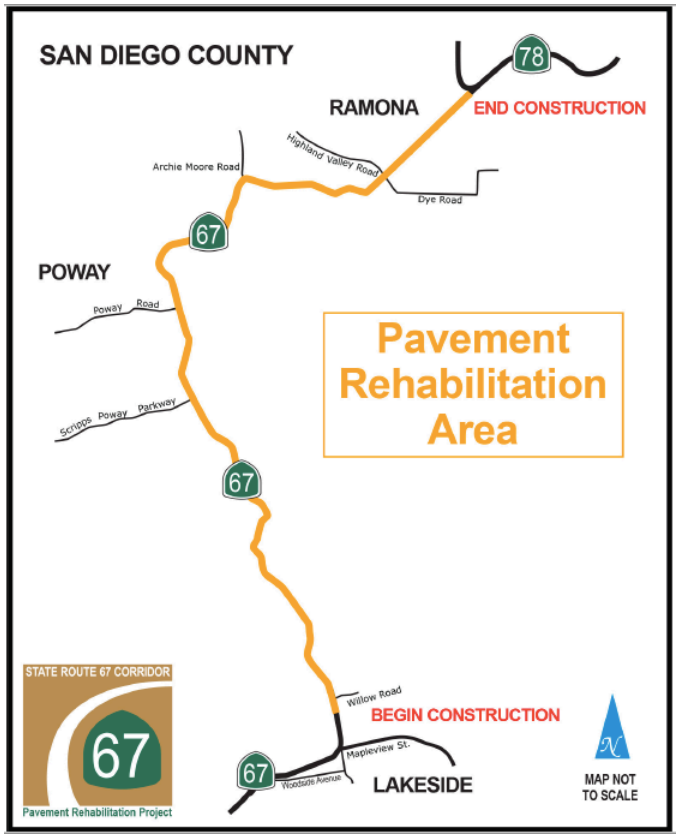
CalSTA and California Department of Transportation (Caltrans) are directed to work with the California Transportation Commission (CTC) to identify and incorporate the installation of conduit and/or fiber into all appropriate and feasible transportation projects along strategic corridors.

Efforts

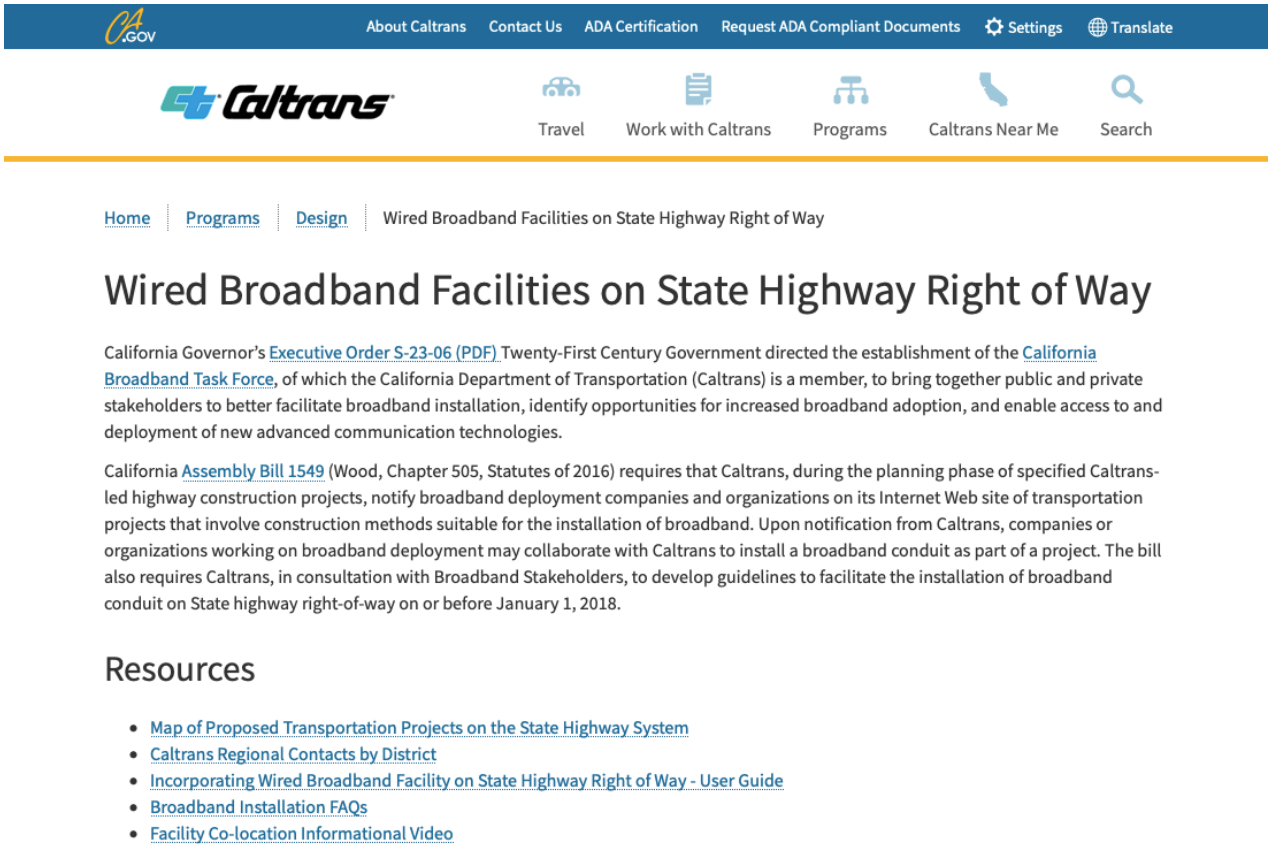
- Establishing Broadband Coordinator Position
- Facilitating Standalone and Partnership Projects
- Hosting Outreach Meetings
- Incorporating broadband in planning phase
- Identifying projects in design and construction phases

Example

SR 67 Pavement Rehabilitation Project



More Information



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Home | Programs | Design | Wired Broadband Facilities on State Highway Right of Way

Wired Broadband Facilities on State Highway Right of Way

California Governor's Executive Order S-23-06 (PDF) Twenty-First Century Government directed the establishment of the California Broadband Task Force, of which the California Department of Transportation (Caltrans) is a member, to bring together public and private stakeholders to better facilitate broadband installation, identify opportunities for increased broadband adoption, and enable access to and deployment of new advanced communication technologies.

California Assembly Bill 1549 (Wood, Chapter 505, Statutes of 2016) requires that Caltrans, during the planning phase of specified Caltrans-led highway construction projects, notify broadband deployment companies and organizations on its Internet Web site of transportation projects that involve construction methods suitable for the installation of broadband. Upon notification from Caltrans, companies or organizations working on broadband deployment may collaborate with Caltrans to install a broadband conduit as part of a project. The bill also requires Caltrans, in consultation with Broadband Stakeholders, to develop guidelines to facilitate the installation of broadband conduit on State highway right-of-way on or before January 1, 2018.

Resources

- Map of Proposed Transportation Projects on the State Highway System
- Caltrans Regional Contacts by District
- Incorporating Wired Broadband Facility on State Highway Right of Way - User Guide
- Broadband Installation FAQs
- Facility Co-location Informational Video

https://dot.ca.gov/programs/design/wired-broadband

Thank You!

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HCD + Broadband for All

Executive Order Item 12:

Provide recommendations to the CPUC to increase free or low-cost broadband connectivity at all publicly subsidized housing communities for residential units

HCD + Broadband for All

Five Roadblocks to Connectivity:

1. Availability
2. Affordability
3. Accessibility to Devices
4. Digital Skills
5. Data

HCD + Broadband for All

Completed

- **Interagency Consultations:** CPUC, TCAC, CalHFA, SGC, Department of Technology, Department of Aging
- **Stakeholder Engagement:** Housing Owners, Managers, and Associations Representing Senior Housing and Affordable Housing
- **Asset Management and Preservation Practices Review:** Exploring Pathways to Funding Improvements in HCD's Portfolio (approx. 1,100 developments)

HCD + Broadband for All

In Progress

- **Pilot Criteria: Multifamily Housing Program**
  - Threshold Requirements for *Availability* (with min. upload/download speeds)
  - Scoring Criteria for 100/100 Mbps, plus (*Affordability*, *Accessibility to Devices*, *Digital Skills*):
    - Free or reduced-price service,
    - Devices support, or
    - Digital literacy training

  - Draft Guidelines Early July

HCD + Broadband for All

In Progress

- Broadband Needs Assessment Survey:
  - Housing Infrastructure Improvements
  - Housing Providers as “the IT Department”
  - Devices & Digital Literacy Training

- May-June: Coordinate with TCAC and CalHFA
- June-July: Conduct Survey
- August: Consolidate and Order Results

HCD + Broadband for All

In Progress

Recommendations to the CPUC, addressing:

1. Availability
2. Affordability
3. Accessibility to Devices
4. Digital Skills
5. Data

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Executive Order Item 14: The California Department of Education is requested to continue leading statewide efforts to ensure that students have the computing devices and connectivity necessary for distance learning and online instruction.

Completed

- Assisted Governor & First partner to distribute 80K computing devices and 107K T-Mobile hotspots in spring/summer 2020 through the CDEF BDD fund.
- Assisted CTF to distribute $25M in mobile broadband subsidy and CASF $5M in grants for devices
- Met regularly with County Offices of Ed CTOs to coordinate on device and connectivity issues.
- Advocated and educated on Federal connectivity options EBB/ECF

- SSPI formed the Digital Divide Task force to address issues in rural and urban areas where students were disconnected. Pushed ISPs to continue to offer low-cost programs throughout pandemic into following school year.
- Worked with manufacturers during a worldwide shortage to bring over 1 million computing devices to students.
- Updated CDE website and emailed districts weekly with product availability for both computers and hotspots leading to districts spending over $2B of Learning Loss Mitigation Funds on technology
- Support Speaker Rendon's Broadband Workgroup

In Progress

- Launched $1Million Digital Divide Innovation Challenge. Partnered with General Motors, PG&E, Genentech and Michelson Foundation for prize money.
- Evaluating and offering technical assistance on over 20 pieces of broadband related legislation
- Mapping students and schools to get more accurate data on the digital divide as it relates to families with children. Evaluating best solutions for differing parts of the state and the potential for a toolkits.

- Continue to engage with COE CTOs on issues related to CTF and E-rate, technology planning and digital learning.
- Continue to provide outreach and trainings on offers to schools via webinars (ex 300 school districts on last one relating to EBB/ECF)
- Continue collaboration with other council member agencies to focus on solutions and accountability.

digitaldivide@cde.ca.gov

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California Department of Aging

New Aging Broadband Dashboard

https://letsgethealthy.ca.gov/mpa-data-dashboard-for-aging/inclusion-and-equity-not-isolation/

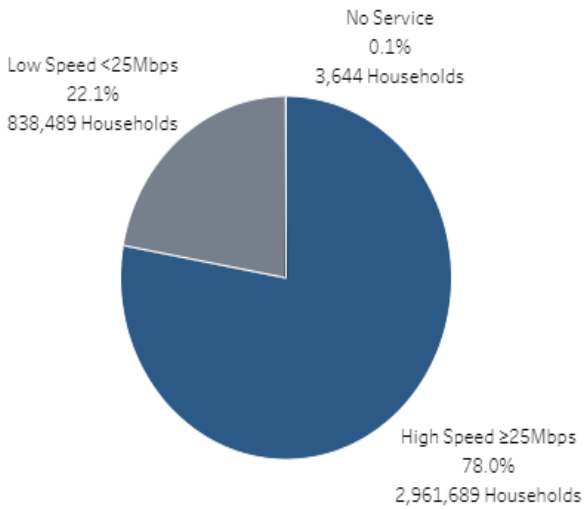
Location

California

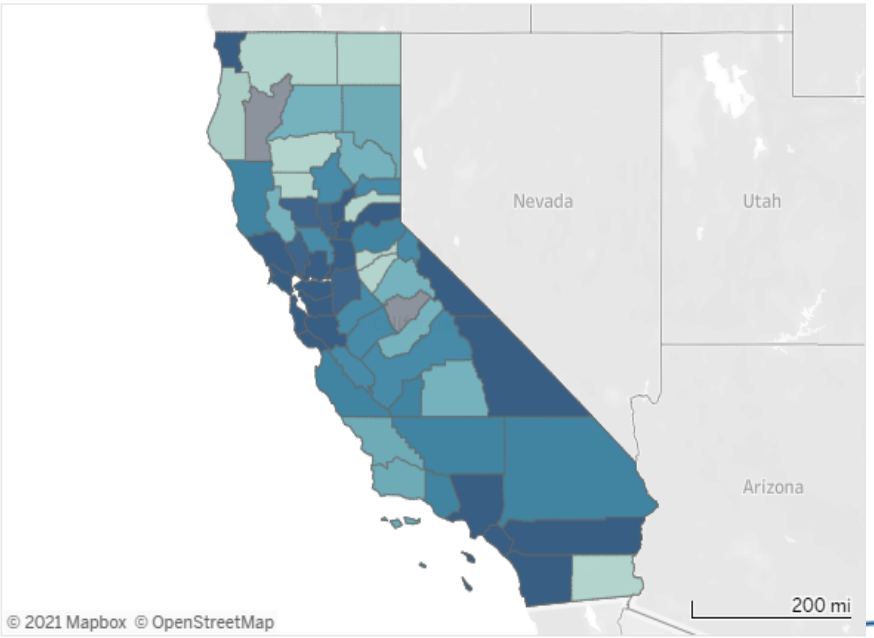
Show County Households

Show County % Rankings

California Percentage of Households With 1 or More Person Age 65 or Older by Broadband Speed Availability



Percentage of Households with 1 or More Person 65 of Older with High Speed ≥25Mbps Broadband Availability



Older Adult Digital Divide Gaps

- Low Connectivity <25 Mbps
  - 838,489 Older Adult Households
- No Connectivity
  - 3,644 Older Adult Households
- Estimated Population Un-Underconnected
  - 1.9 million Older Adults, 65+*

* Based on 2019 UC Berkeley IGS Poll for CETF

May Revision Digital Divide Proposal

$17 Million Proposed New Digital Divide Funding

- $10 Million for New Devices & Service
  - Approximately 10,000 Devices and Service Plans
- $7 Million for Digital Literacy and Education

Thank You!