STAFF REPORT

MEETING DATE:	**June 22, 2023**
SUBJECT:	**Receive a Presentation from Caltrans District 2 Regarding Alternative Fuels Corridors**
AGENDA ITEM:	**5**
STAFF CONTACT:	**Sean Tiedgen, AICP, Executive Director**

SUMMARY:
It is recommended that the board of directors receive a presentation from Caltrans Transportation Planners Drew Battles and Emily Mallonnee regarding alternative fuels.

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Jessica Carlson, Chief Fiscal Officer

Attachment: Alternative Fuels Informational Overview

Caltrans District 2 Office of System Planning

Alternative Fuels Informational Overview

Organization Informational Flow Chart

Caltrans Informational Role in Alternative Fuels

Caltrans is required to inform local agencies about the federal and state-mandated alternative fuels programs to ensure all stakeholders have access to information on alt. fuels options, funding opportunities, and regulatory requirements.

Intro to Alt. Fuels:

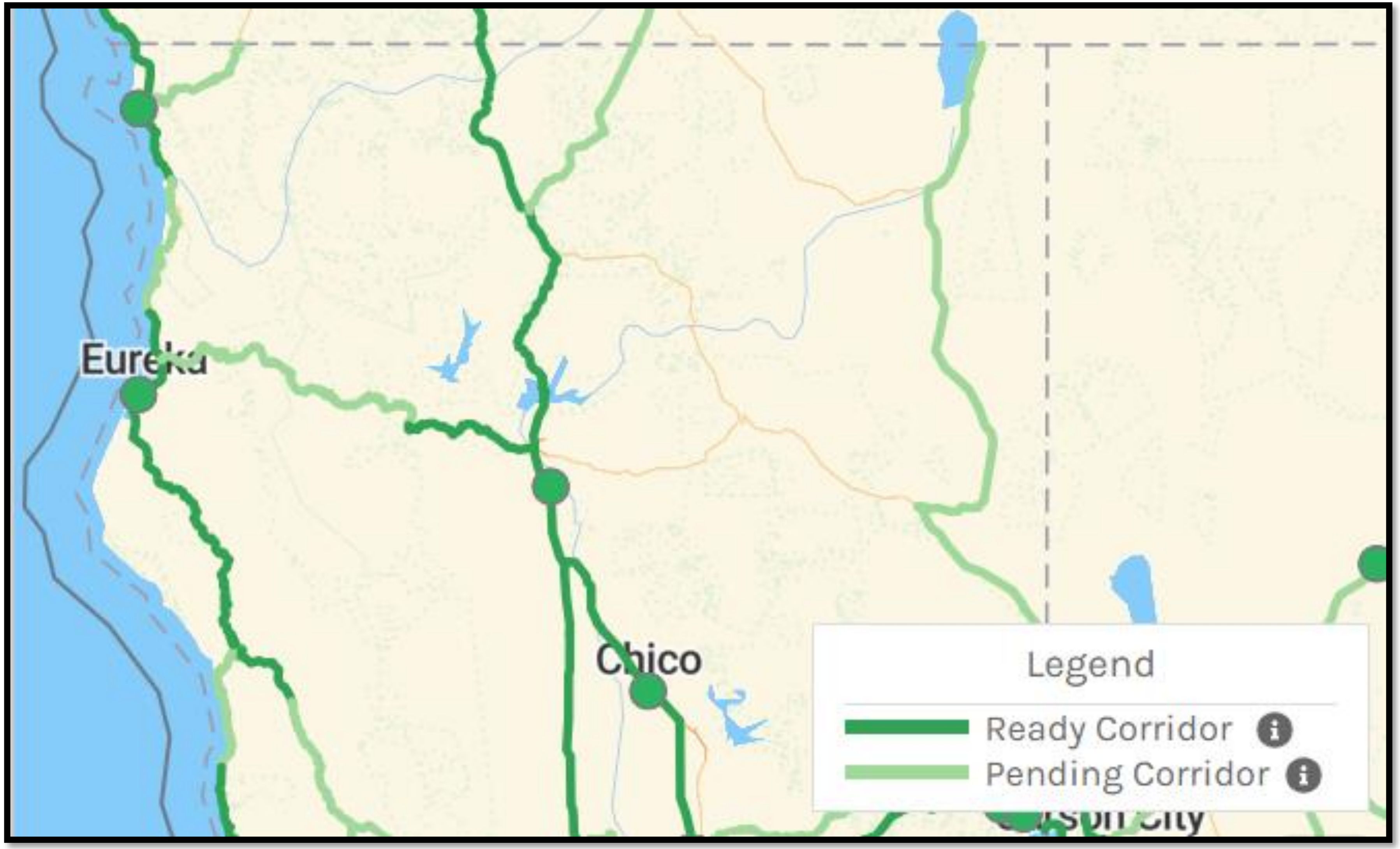
The Federal Policy Alternative Fuels Corridor is a program established by the U.S. Department of Transportation (DOT) to promote the use of alternative fuel vehicles by providing a network of alternative fuel corridors along major highways.

The program aims to increase the availability of alternative fuels, such as electricity, hydrogen, propane, and natural gas, and to promote their use in transportation.

Types of Alternatives:

- Battery Electric
- Hydrogen Fuel Cell
- Biofuels (such as ethanol, biodiesel, and renewable diesel)
- Compressed Natural Gas (CNG)
- Liquid Natural Gas
- Propane

D2- Designated Alternative Fuels Corridors



Alt. Fuels-Federal Policies

- **Alternative Fuel Corridors:** Designates transportation corridors as "Alternative Fuel Corridors" and provide funding to support installation of alternative fueling and charging infrastructure along the corridors.
- **National Electric Vehicle Infrastructure Program (NEVI) :** establishes a National Electric Vehicle Infrastructure Formula Program (“NEVI Formula”) to provide funding to States to strategically deploy electric vehicle (EV) charging infrastructure
- **Renewable Fuel Standard (RFS):** A federal program that requires transportation fuels to contain a minimum volume of renewable fuels, such as ethanol and biodiesel. The program aims to reduce greenhouse gas emissions and promote the use of domestically produced renewable fuels.
- **Corporate Average Fuel Economy (CAFE) Standards:** CAFE standards are federal regulations that require automakers to produce vehicles that meet specific fuel economy targets.

Federal Tax Credits and Incentives

- **Alternative Fuel Vehicle (AFV) Tax Credits**: The federal government offers tax credits for the purchase of AFVs, such as electric, hydrogen fuel cell, and compressed natural gas vehicles. The credits are intended to incentivize the use of alternative fuels and reduce dependence on petroleum-based fuels.
- **Clean Cities Program:** To foster the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices

Alt. Fuels- State Policies

- **Executive Order N-79-20** "It shall be a goal of the State that 100 percent of in-state sales of new passenger cars and trucks will be zero-emission by 2035."
- **Clean Transportation Program**: Established by AB 118 and extended by AB 8 through 2024 expedites development of conveniently located fueling and charging infrastructure for low and zero-emission vehicles.
- **Advanced Clean Trucks (ACT) regulation:** The ACT regulation requires manufacturers of certain medium- and heavy-duty vehicles to sell an increasing percentage of zero-emission vehicles in California.
- **Low Carbon Fuel Standard (LCFS):** The LCFS program requires fuel producers and importers to gradually reduce the carbon intensity of transportation fuels used in California. This is accomplished through a system of credits and deficits that incentivize the use of cleaner, lower-carbon fuels such as electricity, hydrogen, and biofuels.

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- **Alternative Fuel Infrastructure:** California has several programs to support the development and deployment of alternative fuel infrastructure, including electric vehicle charging stations, hydrogen refueling stations, and natural gas fueling stations.
- **Clean Vehicle Rebate Project (CVRP):** The project provides rebates to California residents who purchase or lease eligible zero-emission and plug-in hybrid vehicles.
- **Zero Emission Transit Funding:** The California Clean Mobility Options Voucher Pilot Program offers vouchers of up to $1,000,000 per project for the purchase of zero-emission vehicles, infrastructure, planning, outreach, and operations projects in low-income communities, disadvantaged communities, and tribal areas.

Our Role as Alt. Fuel Liaison/Coordinator

- Information Sharing and Support
- Technical coordinator
- Funding Questions
- Serve as a local connection to HQ – Sustainability office

Caltrans D2- Alternative Fuels Contact Information

- **Office Chief, System Planning:**

  Aaron Casas

  -Aaron.Casas@dot.ca.gov

- **Alt. Fuels Liaison:**

  Emily Mallonee and Drew Battles

  -Emily.Mallonee@dot.ca.gov

  -Drew.Battles@dot.ca.gov

Important Links

- [Alternative Fuels Data Center: Alternative Fueling Station Locator (energy.gov)]
- [Alternative Fuels Data Center: California Laws and Incentives (energy.gov)]
- [Home - Clean Mobility Options]
- [Northern California Incentive Project | CALeVIP]
  - Humbolt, Shasta, and Tehama Counties

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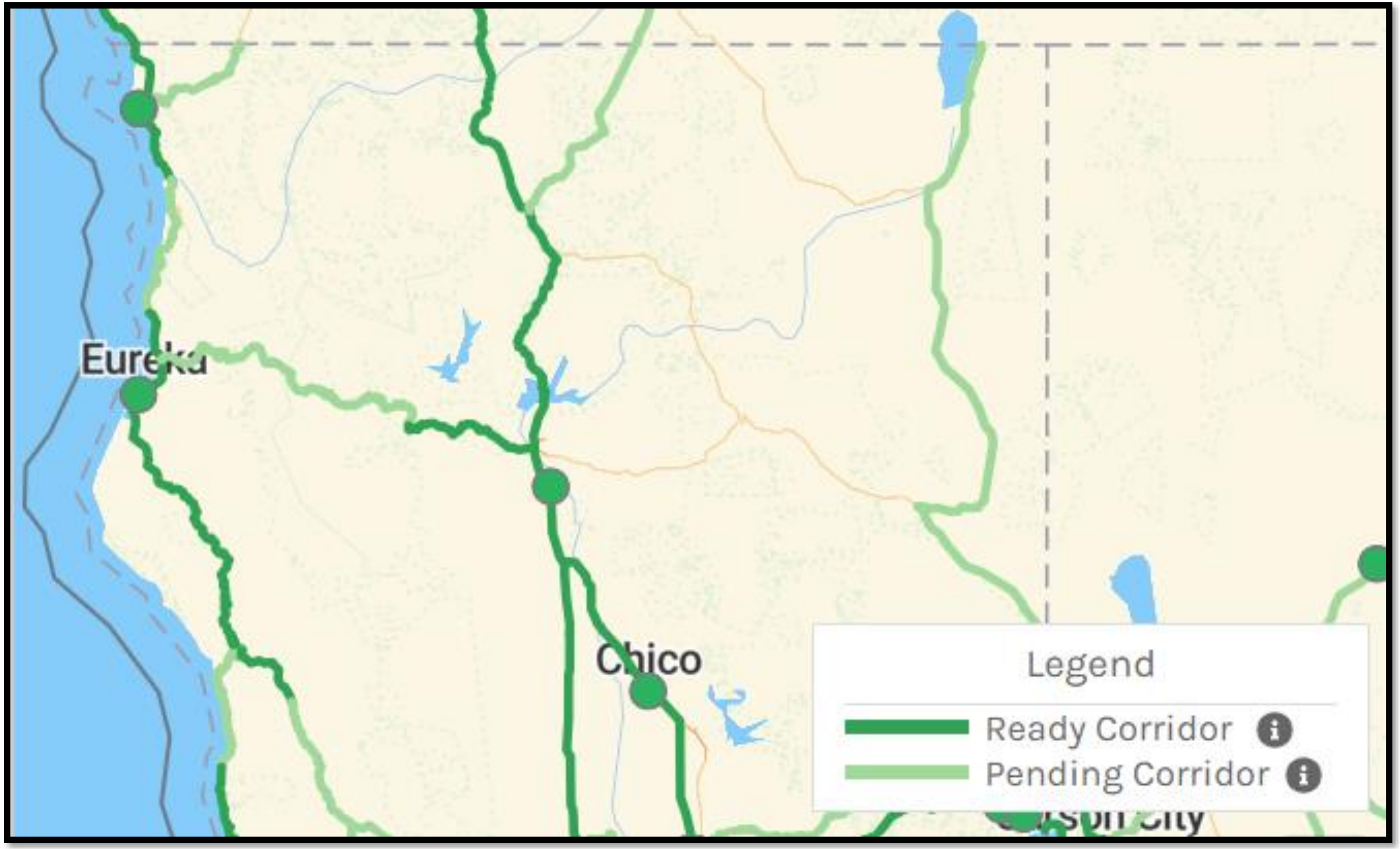

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