



California Energy Commission

VGI and Bidirectional Charging Help Accelerate the Transition to ZEV

Vincent Weyl, Fuels & Transportation Division

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FTD's Main Mission

- Ensure we deploy the right EV charging infrastructure to support California's climate goals
- 100% ZEV passenger vehicles sales by 2035 and MDHD by 2045
 - 5 million ZEVs by 2030
 - 1 million public and shared private chargers by 2030
 - 250,000 by 2025

Key Priorities

- **Improving the Driver Experience**
- **Enabling VGI at Scale**

Improving the Driver Experience

The CEC is committed to **a future where any driver with any EV can easily charge at any charger on any network.**

- Leveraging regulatory authority to advance Plug & Charge
- Funding large scale charger deployments in various communities
- Engaging and Collaborating with industry

Improving the Electric Vehicle Driver Experience

The California Energy Commission is working to improve the electric vehicle (EV) driver experience for all Californians. Increasing the adoption of EVs requires a charging network that is reliable, accessible, and convenient. An improved driver experience with charging can increase EV adoption while creating an attractive marketplace for vehicle manufacturers and charging station operators.

Expand All

Increasing EV Charger Station Reliability	+
Helping Drivers Find Reliable EV Chargers	+
Improving Charging Communication	+
EV Charger Payments Regulations	+
The Benefits of Plug and Charge	+
Network Roaming: Creating a Connected Network	+
Supporting a One-Connector Future for EV Charging	+
Additional CEC Efforts	+

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RELATED LINKS

National Electric Vehicle Infrastructure (NEVI) Formula Program

Clean Transportation Program

Electric Vehicle Charging Infrastructure Reliability Reporting and Performance ...

Electric Vehicle Chargers in California

CATEGORIES

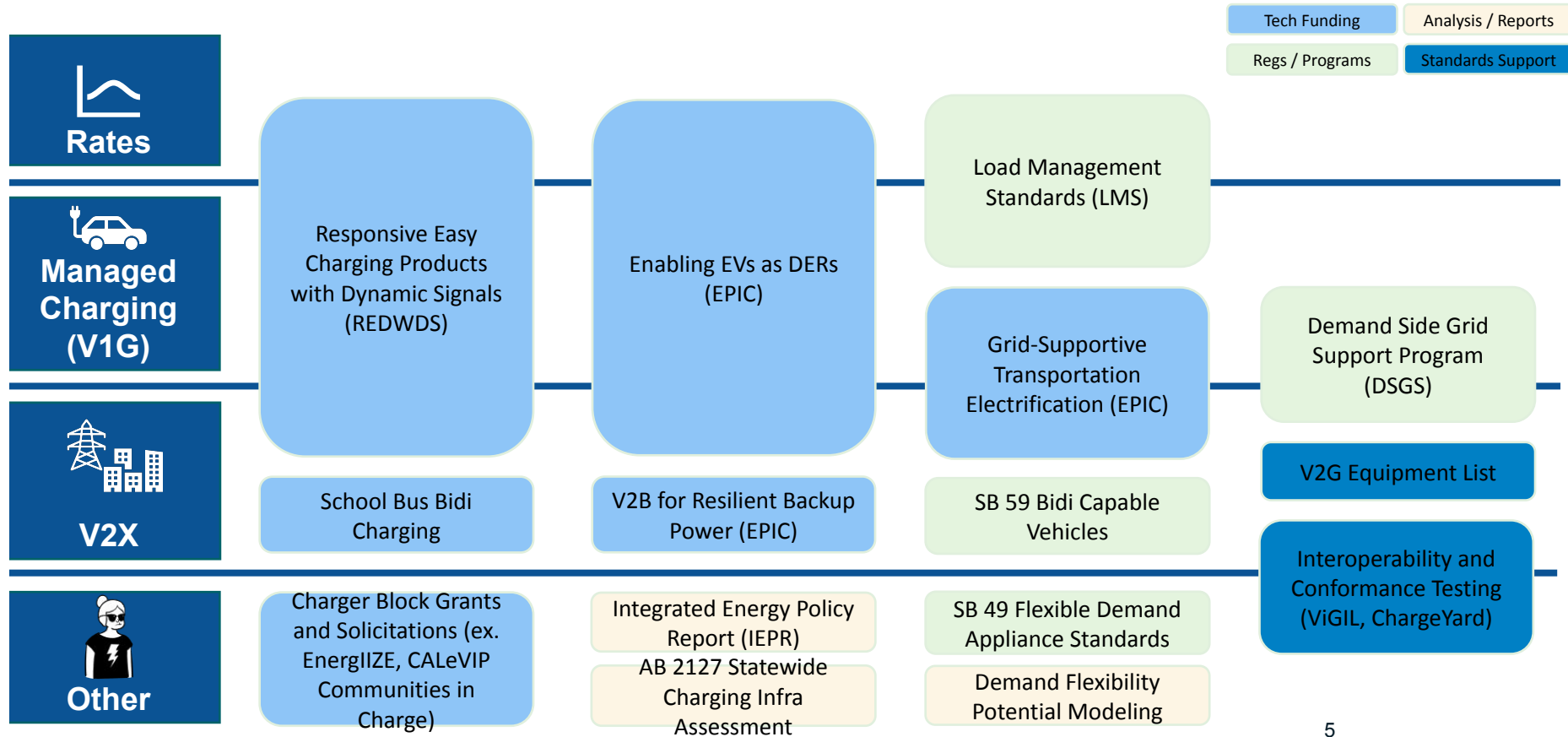
Topic
Transportation

Division
Fuels and Transportation

Program
Clean Transportation Program

<https://www.energy.ca.gov/programs-and-topics/topics/transportation/improving-electric-vehicle-driver-experience>

Enabling VGI at Scale





Thank You!

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