Electricity

Transportation

Buildings

Industrial

Agriculture

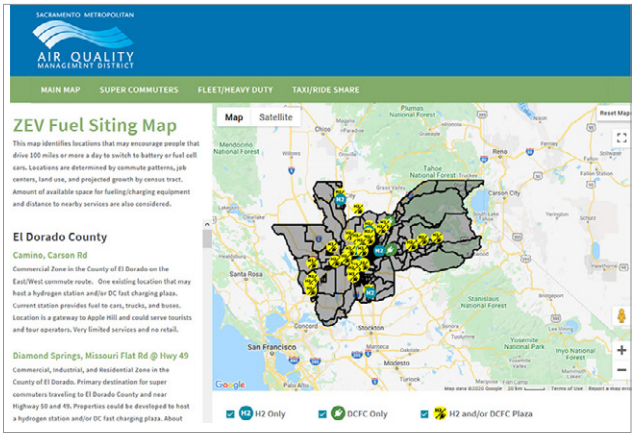
Sequestration

Regional Plan for Zero-Emission Vehicles

Client: Sacramento Metro Air Quality Management District
2017–2019

Super commuters are people who drive at least 50 miles or 90 minutes one way to work or school. Because of the distance they drive, super commuters have a bigger impact on GHG emissions and are less likely to switch to an electric car because of range anxiety.

To encourage super-commuters and other long-distance drivers to transition to zero-emission vehicles, Frontier Energy created a regional plan to identify locations for hydrogen stations and DC fast charging plazas that could serve multiple long-distance driver types: super-commuters, delivery and service workers, and livery drivers (taxi, ride hailing and black car). The plan also identified locations that could serve fleets, transit operators, and freight vehicles.



FRONTIER ENERGY:

- Met with regional stakeholders including air districts, utilities, community colleges, and transit agencies to foster information exchange, share best practices, and collaborate on regional funding
- Collected data about existing and planned infrastructure, vehicle use, buildings, electricity infrastructure, and planned growth for the SMAQMD region
- Developed an interactive infrastructure map to support adoption of ZEVs by high-mileage drivers at zevreadiness.frontierenergy.com
- Identified messaging, policies, incentives, and procedures that will increase the number of ZEVs in fleets, transit, and TNCs, as well as regional barriers that inhibit ZEV adoption
- Identified practices that expedite the planning, permitting, and constructing infrastructure
- Identified workforce development, incentives, and information

FRONTIER energy

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