

## Regional Hydrogen Infrastructure Panel: The California Experience

Department of Energy Annual Merit Review 2019

Bill Elrick

California Fuel Cell Partnership

## California Fuel Cell Partnership





AngloAmerican















**TOYOTA** 

















































































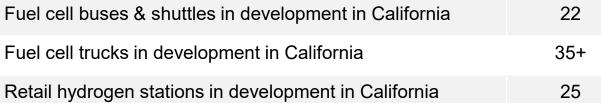






Total
6,315
30
39





https://cafcp.org/by\_the\_numbers







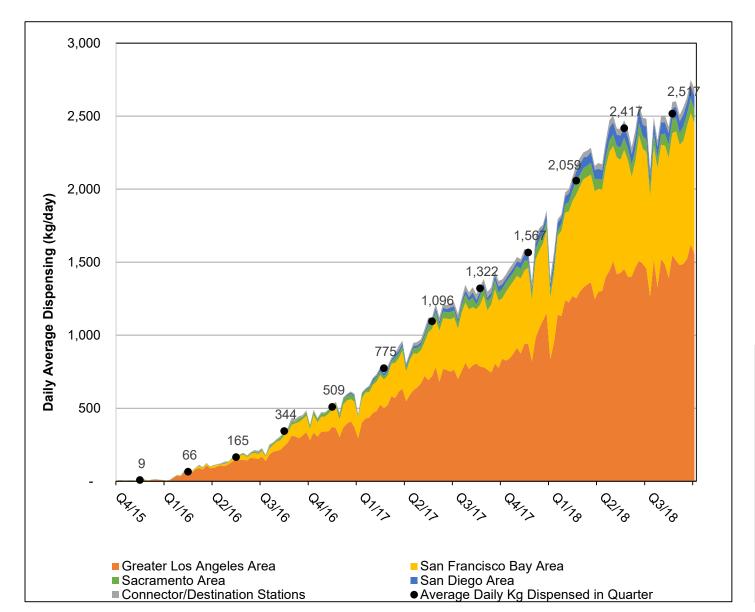


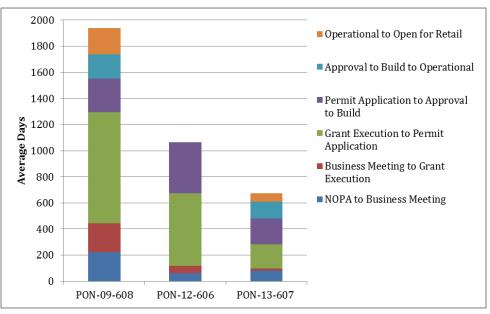


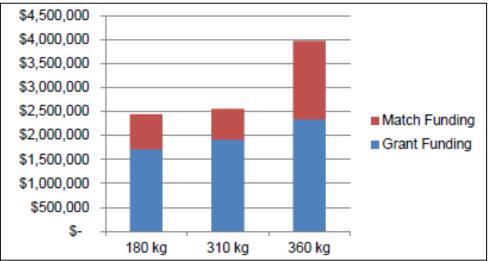










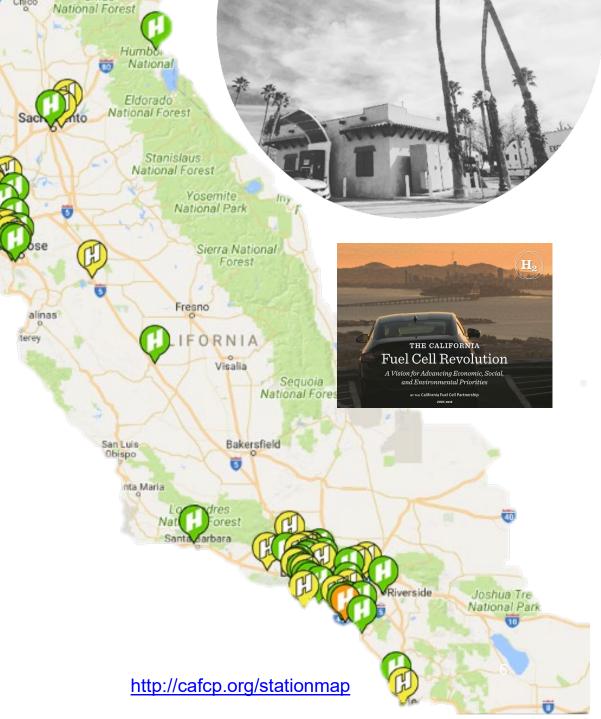




Preparing for the Future

National Forest

- Executive Order B-48-18 targets 200 HRS by 2025 and 5MM ZEVs by 2030
- CaFCP publishes new 2030 vision for a selfsustaining California market
  - New ARFVTP solicitation concept
  - Low Carbon Fuel Standard Amendments
  - New hydrogen production facilities
  - Innovative Clean Transit regulation
  - New heavy duty fuel cell truck projects





## —California Fuel Cell Revolution—

Enable market conditions to support:

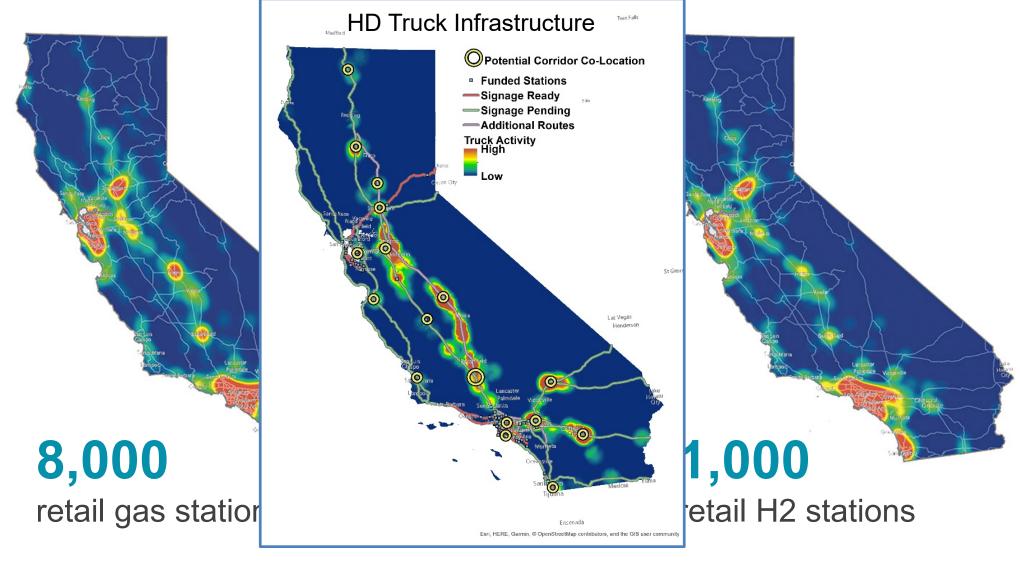
1,000 hydrogen stations

and

1,000,000 fuel cell vehicles by 2030











- California retail market open and expanding quickly drivers love the cars!
- Quickly transition from market launch to self-sustainability
- 3 essential elements to success:
  - Strong leadership
  - Long term planning
  - Robust commitments
- Public-private partnerships critical to success
- Leverage synergies between HD & LD, as well as the grid and renewables
- Continue convergence of local, regional and global activities

Not a question of "if", rather "how fast"