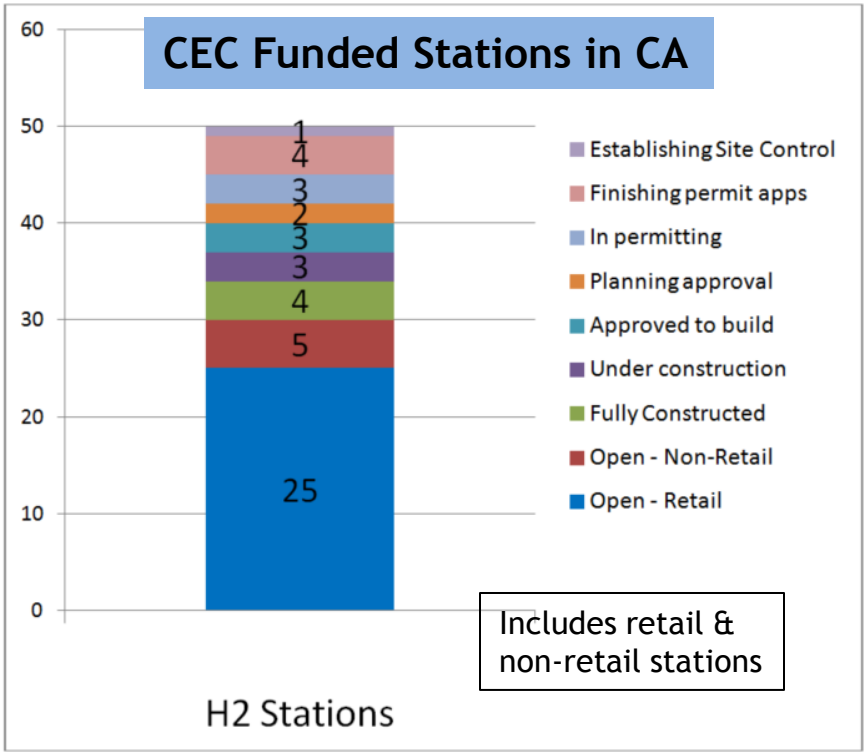
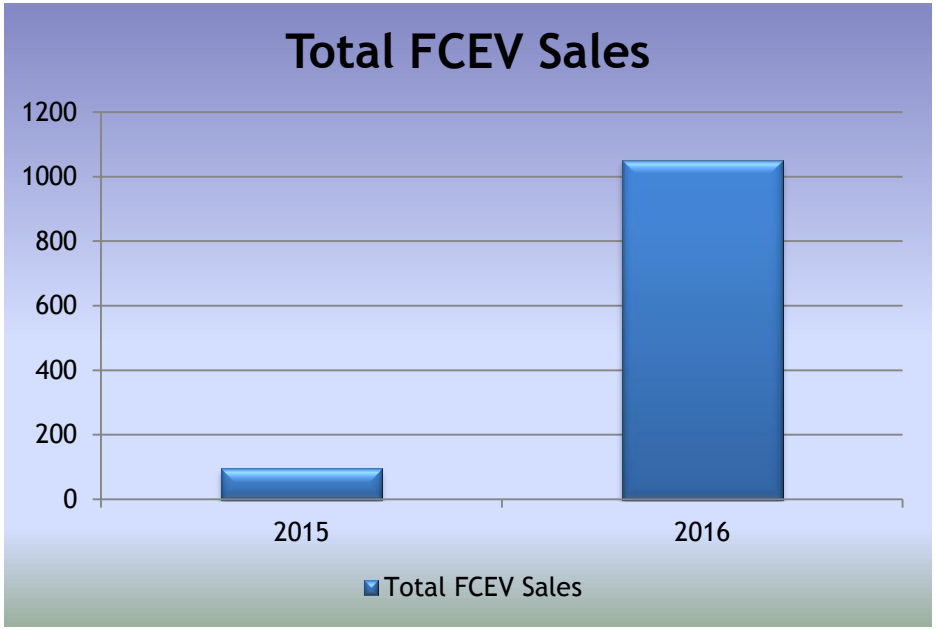
California Hydrogen Fueling Station Network Update

Chris White

California FUEL CELL PARTNERSHIP
DRIVING FOR THE FUTURE

California H2 Station Network & FCEV Totals





Source: HybridCars.com

Forecast estimate 2016: ~25 stations
Forecast estimate 2017: up to ~49 stations

On-Road FCEV Estimates*
2019: 13,500
2022: 43,600

*ARB July 2016 AB 8 Report – OEM Surveys

Most recent stations

Playa del Rey

Woodland Hills

Hollywood

Anaheim

Del Mar

Next up

- Riverside
- Ontario
- Woodside
- San Ramon
- Cal State LA
- S. Pasadena
- Fremont
- Thousand Oaks
- Lawndale
- Torrance

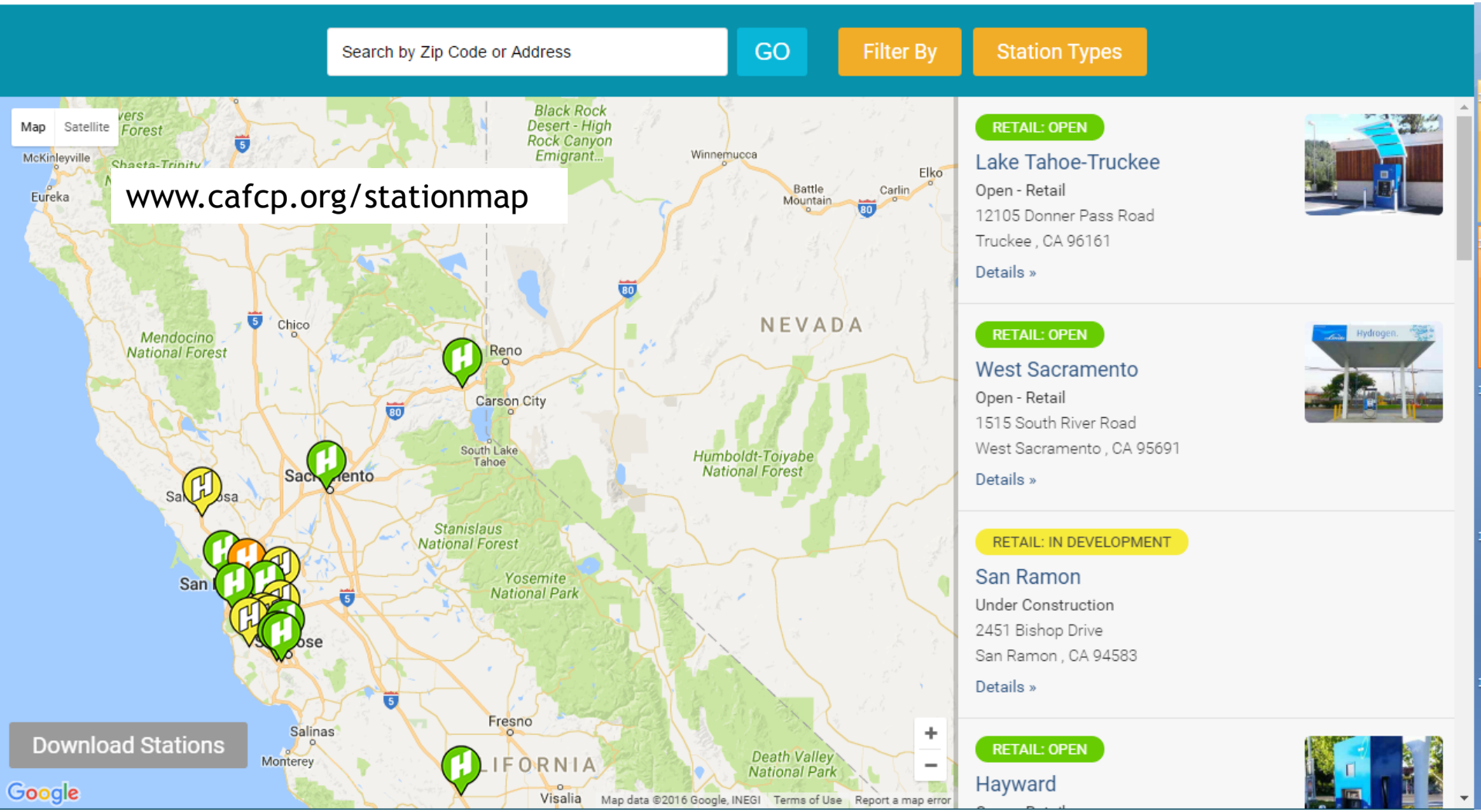
For estimated open dates, please see the CaFCP station map at www.cafcp.org

CEC GFO 15-605 Solicitation

- Up to $33.0 million for CapEx and O&M
- Two competitions:
  - Main station (see table)
  - I-5 Connector station (Wheeler Ridge/Lebec & Los Banos)
- Deadline to Submit Applications: **August 19, 2016**
- Anticipated NOPA: **Q1 2017**

Core Market Areas
San Francisco
Berkeley/Oakland/Walnut Creek/Pleasant Hill
Greater LA/Sherman Oaks/Glendale/Pacific Palisades
San Diego/La Mesa
Torrance/Manhattan Beach/Redondo Beach
South San Diego/Coronado
Pasadena/San Gabriel/Arcadia
Long Beach/Huntington Beach/Buena Park/Fullerton
Santa Cruz
Irvine/Tustin
San Mateo/Palo Alto/Cupertino/Campbell/San Jose
Sacramento/Carmichael
San Clemente
Laguna Beach

Tools You Can Use - Station Map



Tools You Can Use - SOSS

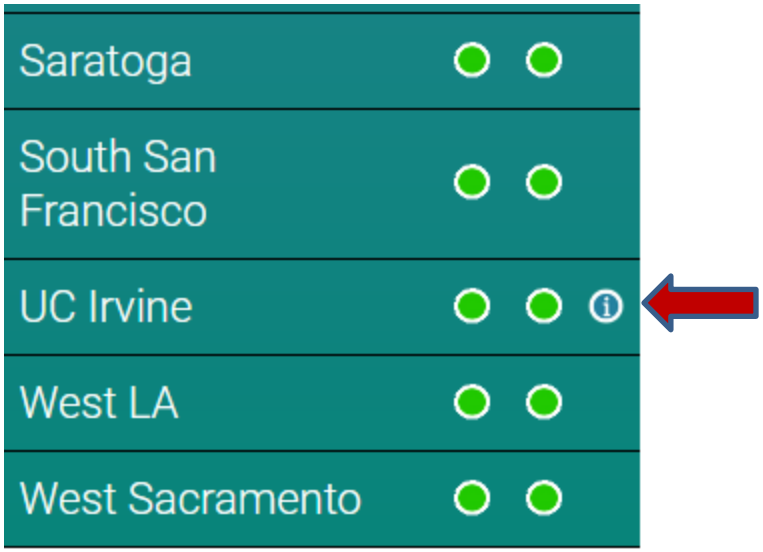
● Online ▲ Limited ■ Offline

m.cafcp.org

Station Status

Public Retail Stations	H70	H35
Campbell	●	● ⓘ
Costa Mesa	●	●
Diamond Bar	●	●
Fairfax-LA	●	●
Harris Ranch	●	●
Hayward	●	●
La Canada Flintridge	●	●
Lake Forest	●	●
Lake Tahoe-Truckee	●	●
Long Beach	●	●
Mill Valley	●	●
Playa Del Rey (New)	●	●
San Jose	●	●

Tools You Can Use - SOSS



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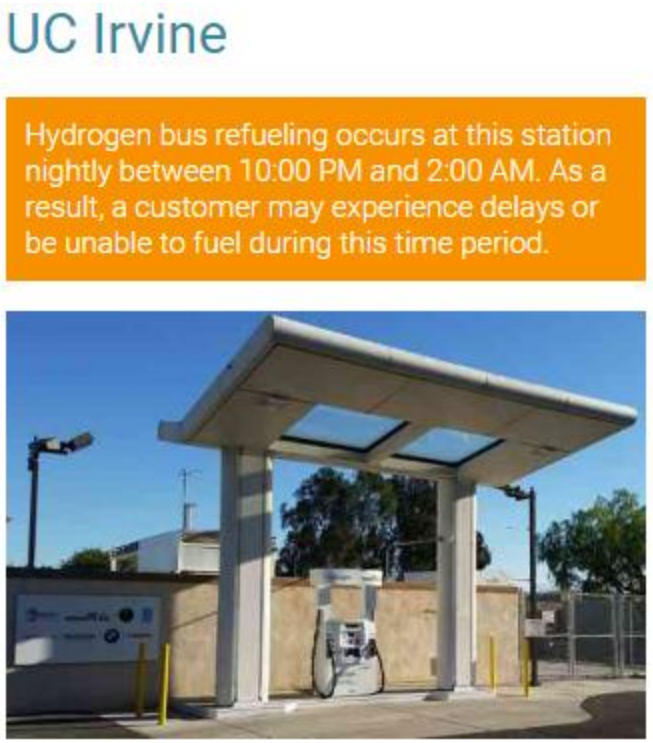

In Closing

- Retail hydrogen fueling station network from San Diego, LA/Orange Counties, Central Valley, Bay Area, Sacramento & Lake Tahoe
- More than 1,000 fuel cell vehicles on California roadways
- Learning/refining the process to get retail stations open
- Funding is in the pipeline and there is a government commitment to reach 100 stations
- Efforts now underway to address MD/HD FCEVs – CaFCP Action Plan released

AIR LIQUIDE
AC TRANSIT
AUTOMOTIVE FUEL CELL COOPERATION
BAE SYSTEMS
BALLARD
BAY AREA AIR QUALITY MANAGEMENT DISTRICT
California Environmental Protection Agency
Air Resources Board
cdfa
CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE
Cal State LA
CALSTART
CERT
cte
DAIMLER
ENERGY INDEPENDENCE NOW
FE FUEL
GM
H2 LOGIC
Hydrogen fueling solutions
HONDA
HYDROGENICS
HYDROGENXT
HYUNDAI
ITS
UC DAVIS
ITM POWER
Energy Storage | Clean Fuel
THE LINDE GROUP
Linde
National Fuel Cell Research Center
NREL
NATIONAL RENEWABLE ENERGY LABORATORY
NISSAN
Sandia National Laboratories
South Coast AQMD
Southern California Gas Company
A Sempra Energy utility
SunLine TRANSIT AGENCY
TOYOTA
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