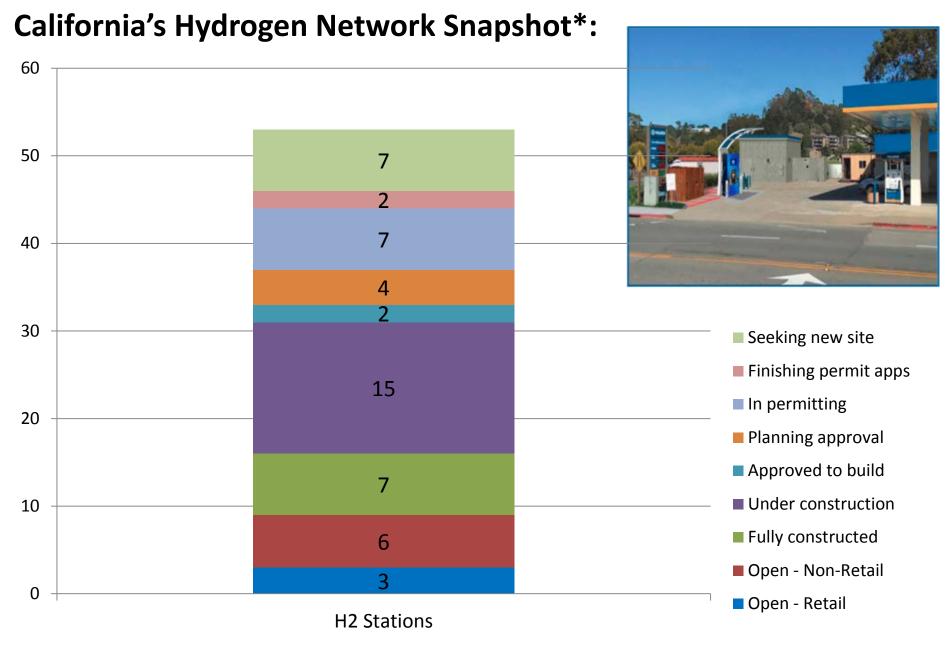
# California H2 Network Update

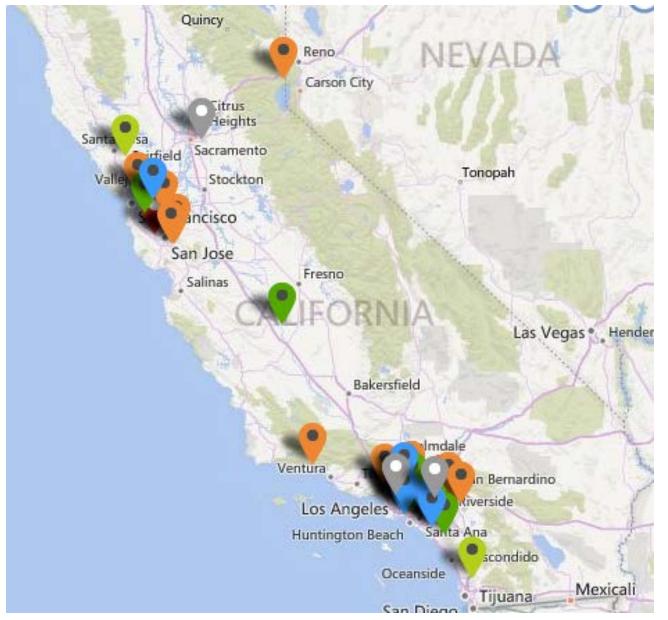
DOE HTAC Meeting October 27, 2015

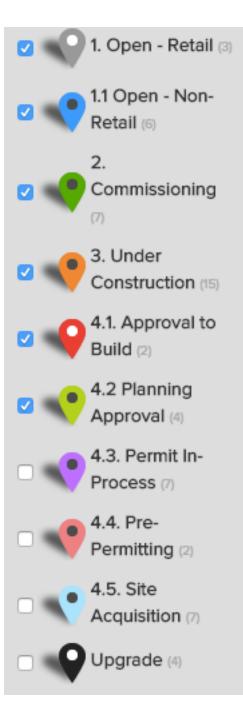




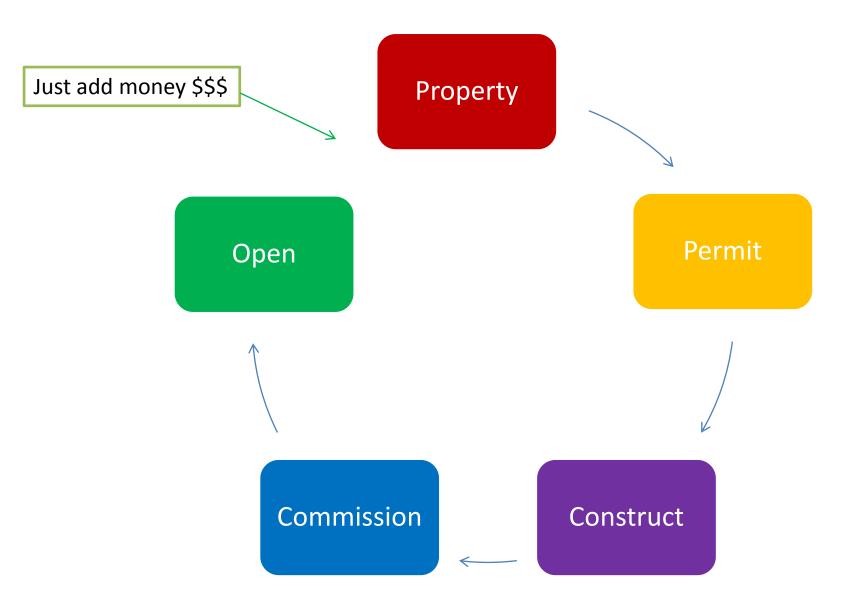
<sup>\*</sup> As of 10/26/2015

## **CA's Currently Funded Hydrogen Network\*:**

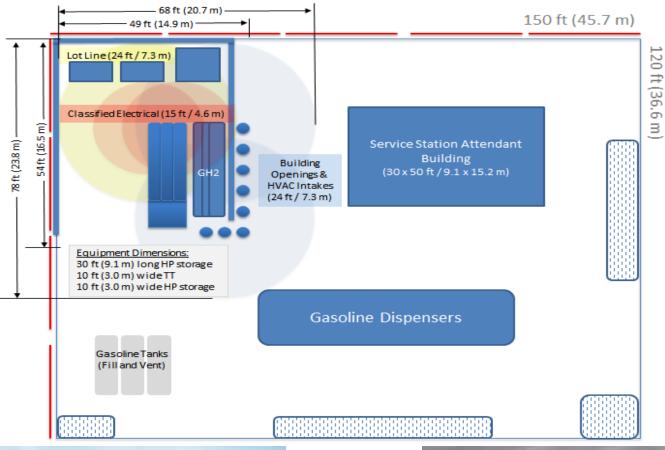




## **H2 Station Development**



### **Property**

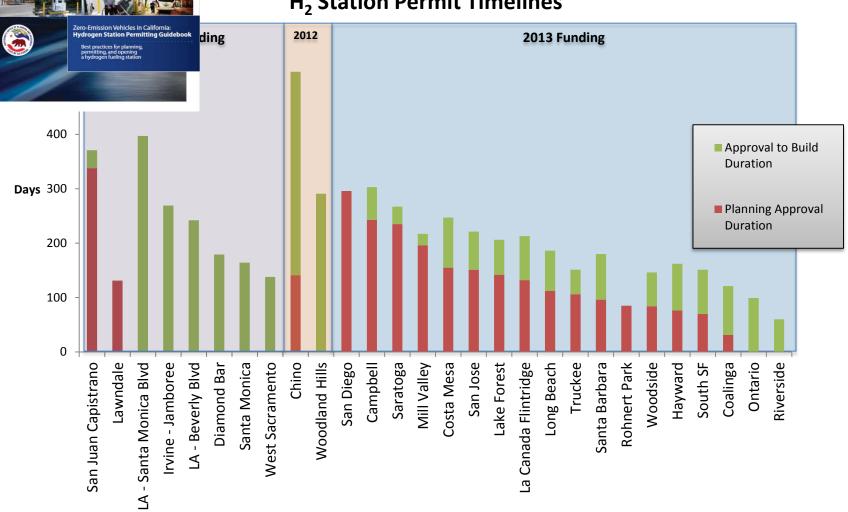








#### H<sub>2</sub> Station Permit Timelines



# Under Construction (15)

Construct



Santa Monica

Long Beach

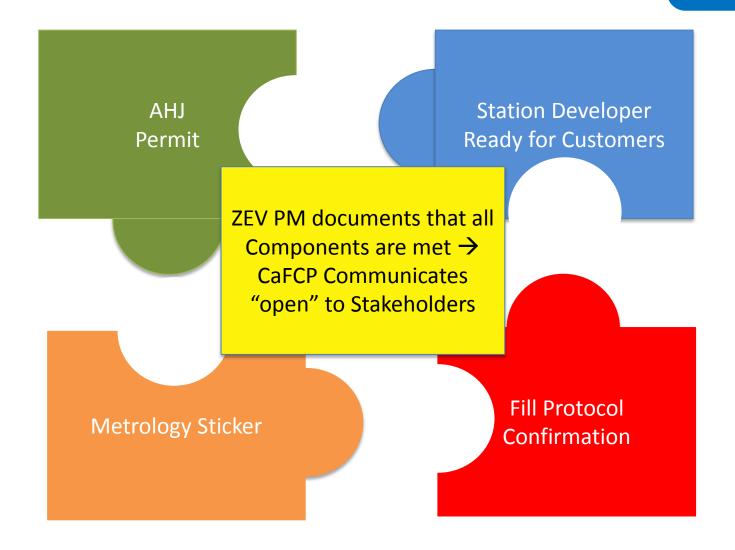


South San Francisco



Riverside

### Commission



# Stations in Commissioning (7)



LA/Santa Monica Blvd.



San Juan Capistrano



Coalinga





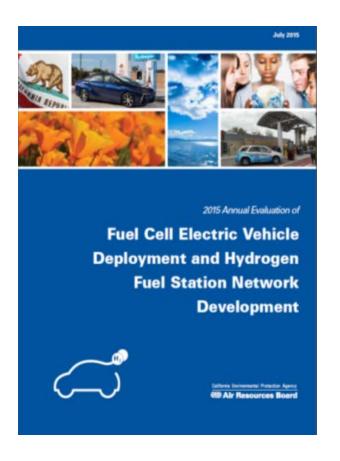
**Diamond Bar** 

West Sacramento

#### Retail definition:

- Meets applicable codes, regulations and approved interface standards (fueling protocol, fuel quality, DMS certification, permits)
- Retail POS system that accepts major credit, debit and fleet cards
- Unrestricted access

## Need for Continued Hydrogen Station Investments



- Current network development is largely on track
- Post-2018, FCEV deployment will accelerate faster than previously projected
- 86 stations projected by 2021 will be insufficient to meet fuel demand
- Need larger stations and innovative funding mechanisms

# DOE Engagement = Direct Benefit



Hydrogen Station Equipment Performance Device(HySTEP)

– improve station commissioning

# DOE Engagement = Direct Benefit



Hydrogen Fueling Standard = retail sales of H<sub>2</sub>

## Top Level Needs for DOE to consider

- Economical on-site H<sub>2</sub> Quality Monitoring
- LH2 Setback distance reduction
- Commercial Large Scale Renewable H<sub>2</sub> Production
- Replication in other States



# Thank You

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