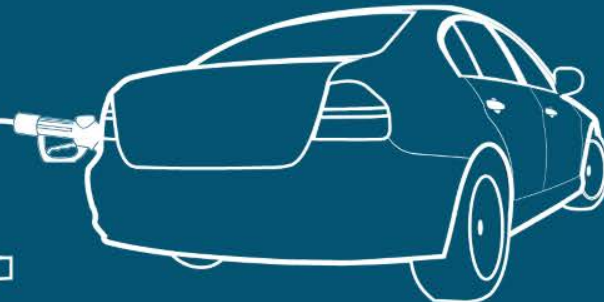


# The California Experience

IA013 Regional Hydrogen Infrastructure Panel

DOE Merit Review 2018

6/14/2018





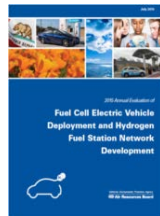
	Numbers as of June 6, 2018	Total
Fuel cell cars sold and leased		4,819
Fuel cell buses in operation in California		21
Retail hydrogen stations open in California		35
Fuel cell buses & shuttles in development in California		36
Fuel cell trucks in development in California		35+
Retail hydrogen stations in development in California		29







# California's First Big Steps



## 2012 California Roadmap

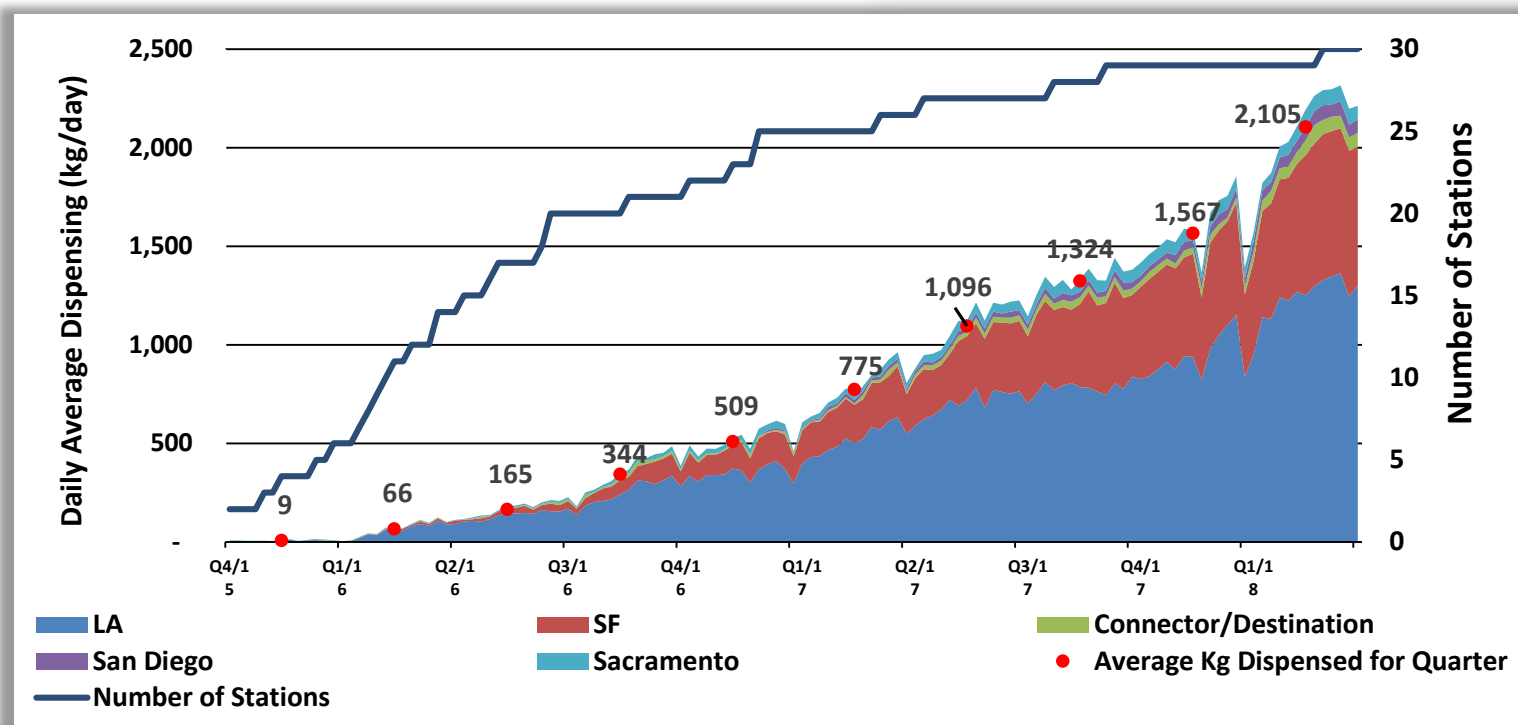
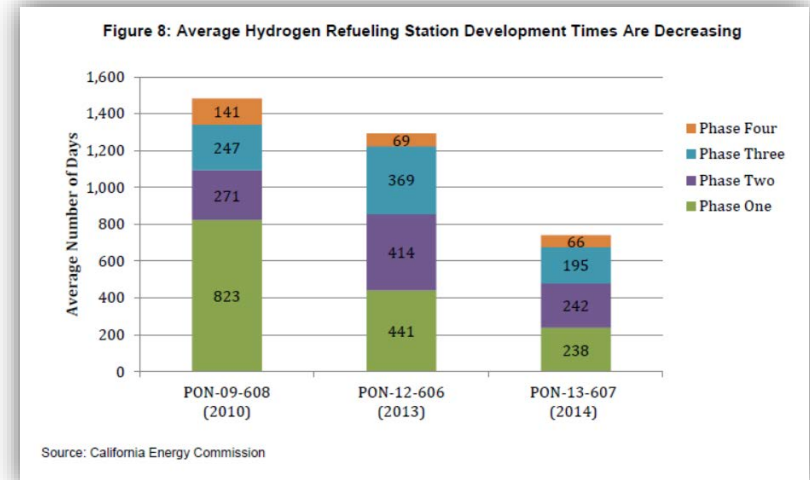
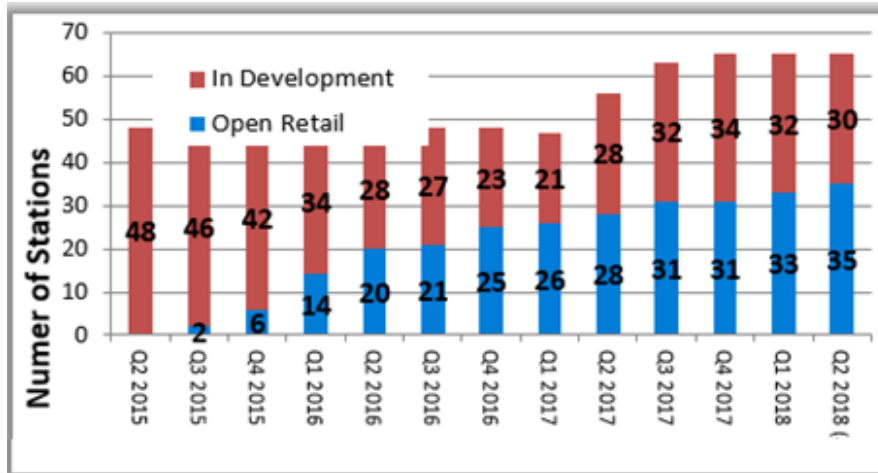
- Establish initial network coverage
- Clusters in big cities
- “Connectors” and “destination” stations across the state

## 2013 AB8 – ARFVTP Support

- \$20M annually through 2023
- Co-funding for first 100 stations
- Annual survey, evaluation and reporting
- Government responsibility & leadership



# California Progress = National Progress





# Expanding Leadership and Opportunity



## ENSURE

charging and hydrogen fueling are affordable and more accessible to all drivers.



## RECOMMEND

actions strengthen the economy and create jobs in California and expand infrastructure.



## UPDATE

2016 ZEV Action Plan to expand private investment in ZEV infrastructure, particularly in low income and disadvantaged communities.



**200**

spur the construction and installation of 200 hydrogen fueling stations.

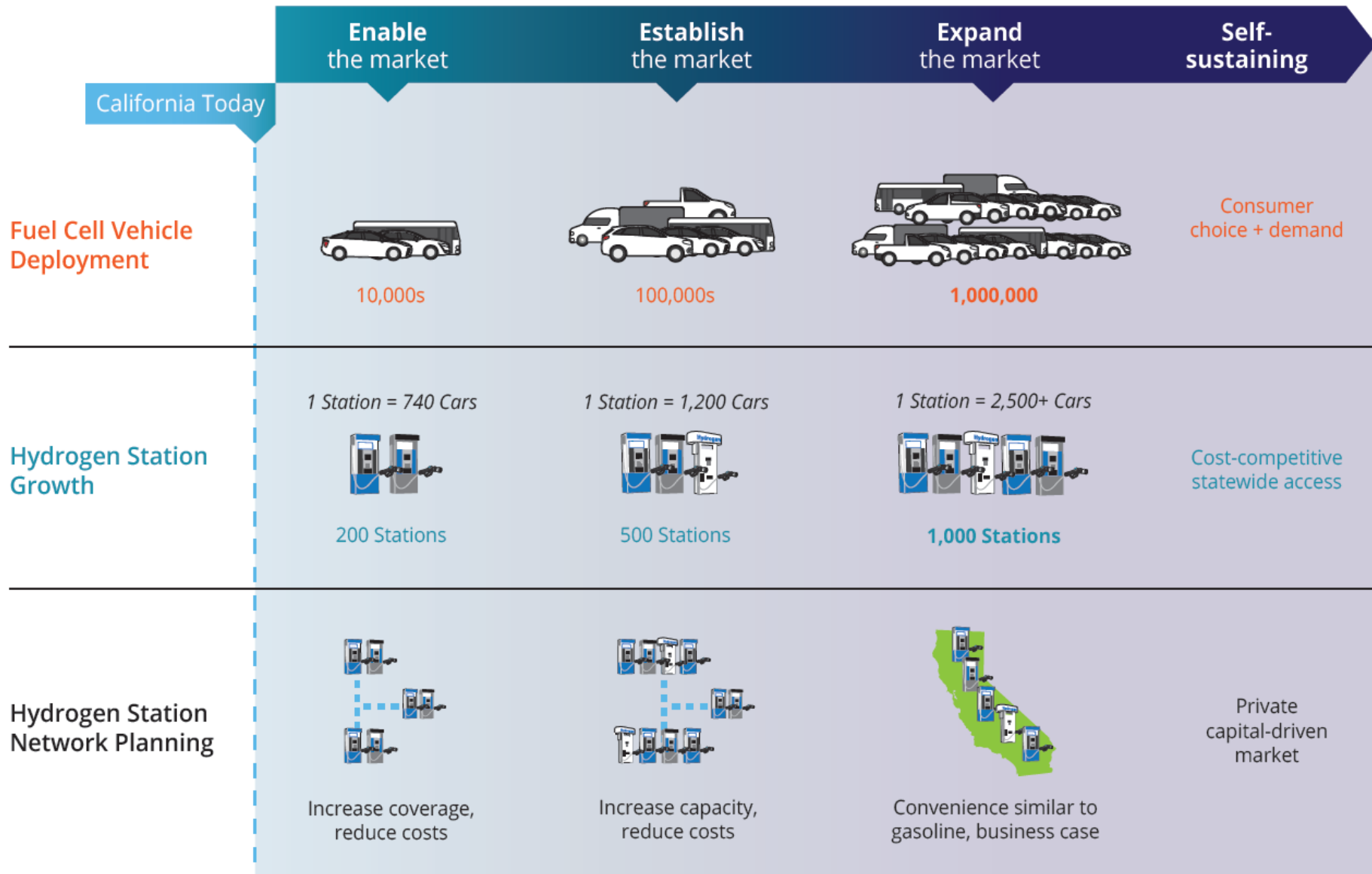


**250,000**

spur the construction and installation of 250,000 chargers.



# California's 2030 Vision







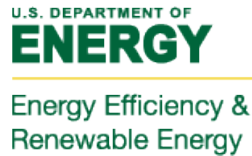
# Top 10 Insights

10. The transition is too big for any one entity.
9. Partnership between industry and government.
8. Shared vision/roadmap is fundamental.
7. You need a network to launch the market.
6. Investments are needed to de-risk the market.
5. Build a house you can grow into.
4. Multiple policies can help.
3. State leadership is crucial.
2. No state needs to do this alone.
1. Drivers love the cars.





# CaFCP Members





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