

The California Fuel Cell Revolution

Advancing California's Economic, Social & Environmental Priorities

BILL ELRICK | EXECUTIVE DIRECTOR

How it all began – 2012 California Roadmap





First 100 stations statewide

- Establish initial network coverage
- Clusters in big cities
- "Connectors" and "destination" stations across the state
- Vision for starting commercial rollout

Where we are today





-MISSION-

Accelerate commercialization of hydrogen and fuel cell vehicles



What is the revolution?

Evolution of customer adoption



CRITICAL MASS



—CaFCP Goal— Enable market conditions to support:

1,000 hydrogen stations

and

1,000,000 fuel cell vehicles by 2030

Matching the coverage of gas stations





How do we get there?



Enable the market by attracting capital investment in infrastructure



Enable large-scale infrastructure





Market-based policies build confidence



Establish the market with a competitive value proposition to increase consumer demand



Build a strong customer base







Scaling for success





Expand the fuel cell and hydrogen market across the transportation and energy spectrum



Expand the use of hydrogen and fuel cells





Empower fuel cell trucks and hydrogen stations along freight corridors

Broaden the portfolio of hydrogen and fuel cell applications

Connect hydrogen, electricity, and renewables



The energy system



- Grid balancing
- Demand management
- Energy storage
- Meeting renewable targets



-OUTCOMES-

Economic, Social, & Environmental Benefits

-ECONOMY-

Establish a self-sustaining market

Desirable products and services that make economic sense for customers and businesses

-SOCIETY-

97% of DACs and94% of Californians

within the station network coverage

and so it is a set of the set of

TXVELOL

-ENVIRONMENT-

693.5 million gallons of gas displaced2.7 million metric tons of GHG avoided3,900 metric tons of NOx avoided



How are we starting the revolution?

CaFCP Members









—Delivering Positive Change—

Addressing cost challenges
Renewable hydrogen pathways
Expanding beyond California
Sustainable freight





Self-sustaining





We're creating transformative change for a brighter, healthier future.

Join the revolution.