

# Public Consultation on the Use of AB32 Auction Proceeds

Hydrogen Infrastructure Trust  
Advocacy Group

John Tillman  
May 2012

# Who are the Hydrogen Infrastructure Trust (HIT) Advocacy Group?

A coalition of automakers, NGOs, fuel providers, air districts and hydrogen businesses in California.

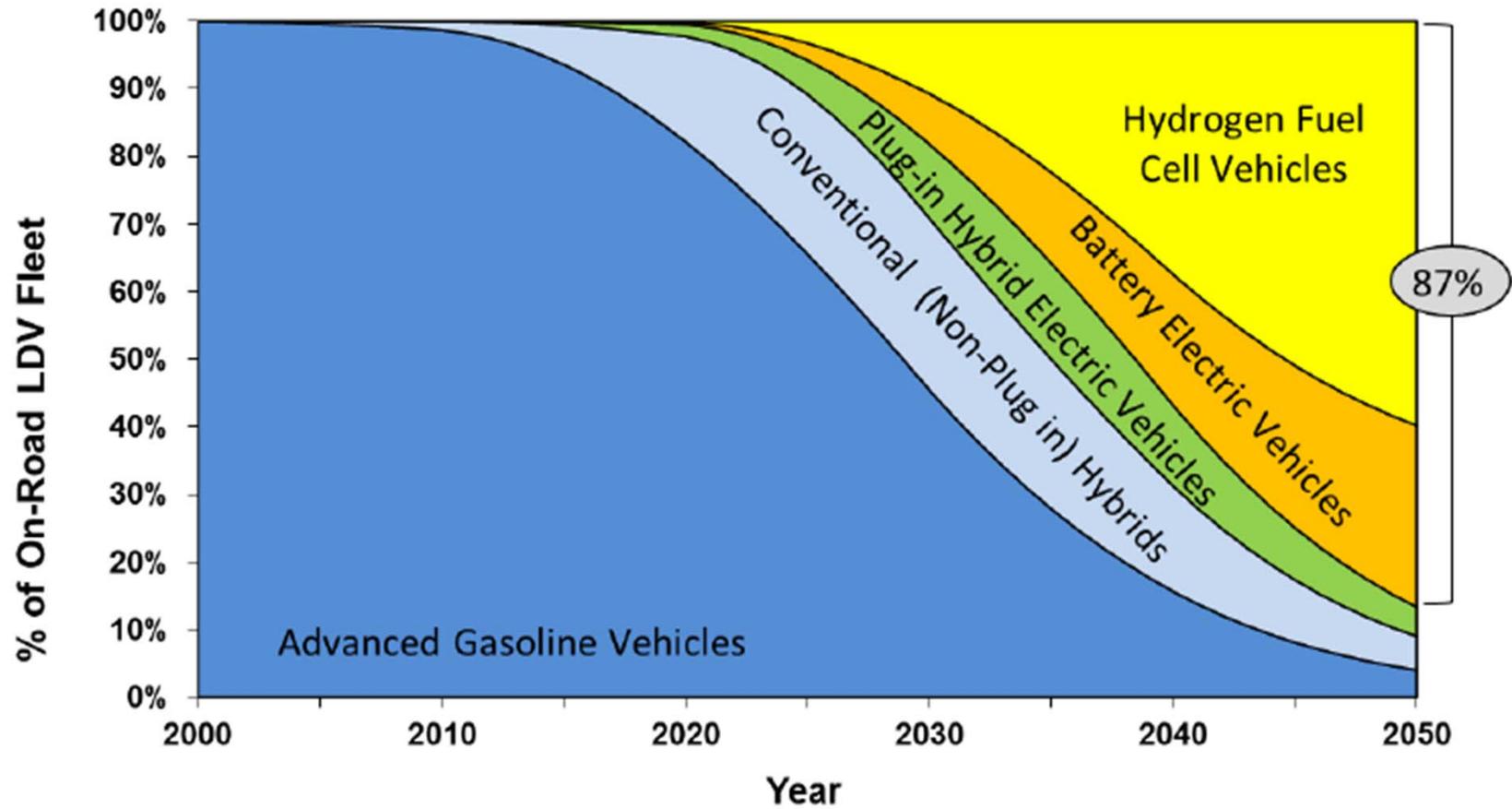


# HIT Advocacy Group: Purpose

Propose the creation of a Hydrogen Infrastructure Trust to support a network of hydrogen fuel stations needed to launch the fuel cell electric vehicle (FCEV) market in California.

# CARB Vision

Figure 1: On Road Passenger Car Scenario to Reach 2050 Goal





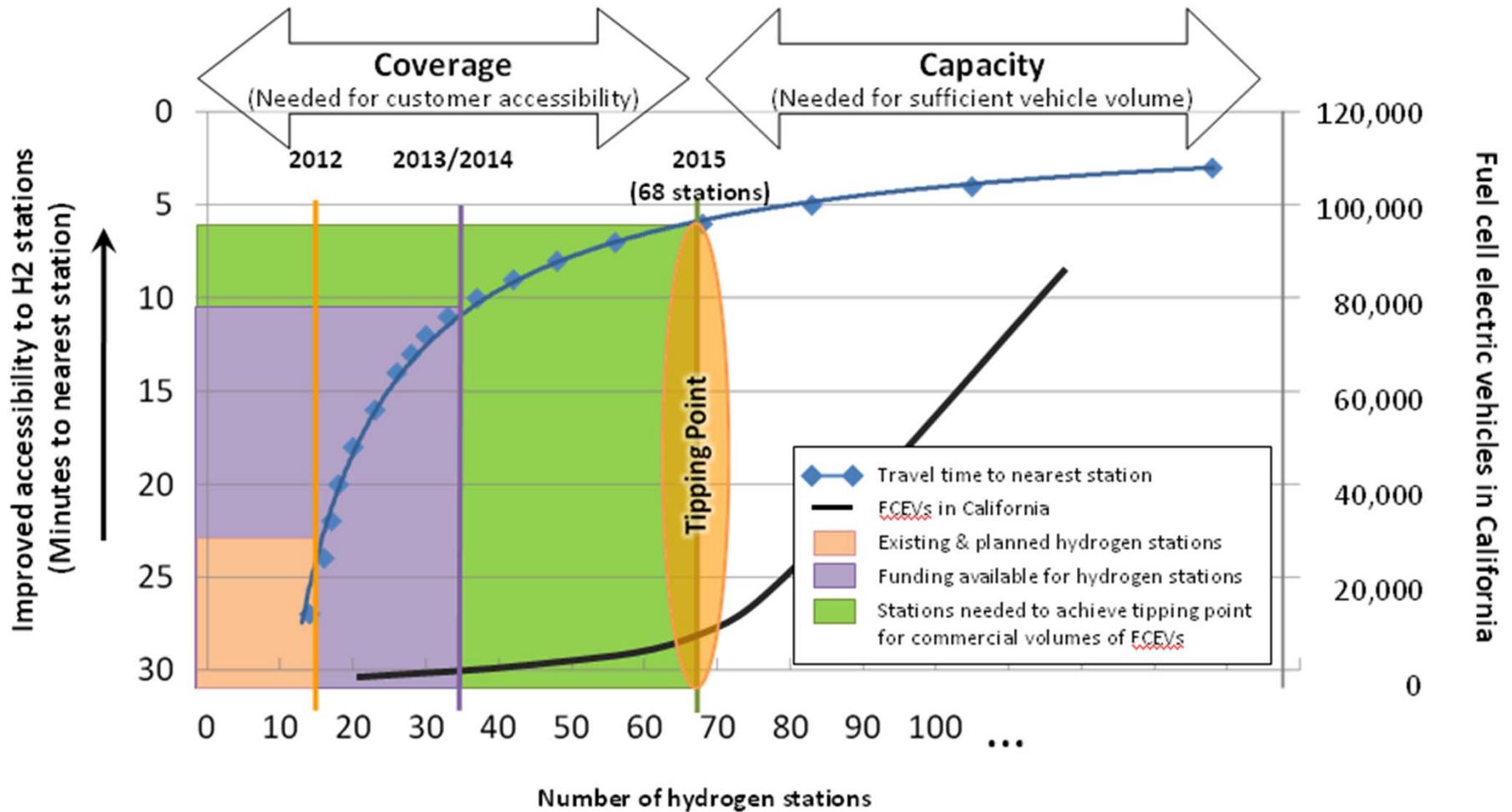
## Governor's March 23<sup>rd</sup> Executive Order:

- CARB, CEC, CPUC and other agencies work with ... California Fuel Cell Partnership to establish benchmarks to help achieve by 2015

and

- IT IS FURTHER ORDERED that these entities establish benchmarks to help achieve by 2020:
  - The State's zero-emission vehicle infrastructure will be able to support up to one million vehicles

# Strategic Plan for Roll-Out of H<sub>2</sub> Stations



\$65 Million to build out the 68 station network.



April 4, 2012



Governor Jerry Brown  
c/o State Capitol, Suite 1173  
Sacramento, CA 95814



Re: Hydrogen Infrastructure Trust



Dear Governor Brown:

**DAIMLER**

ENERGY  
INDEPENDENCE  
NOW



**HONDA**



**TOYOTA**



Our group, a coalition of automakers, NGOs, fuel providers, air districts and hydrogen businesses in California, propose the creation of a Hydrogen Infrastructure Trust to support a network of hydrogen fuel stations needed to launch the fuel cell electric vehicle (FCEV) market in California. We are working to obtain commitments of \$65 million by the end of this year and have identified potential sources for this funding, including a need for new California state funds. We request a meeting with you to discuss how this new commitment, together with continuing infrastructure support from the California Energy Commission, will help us achieve these goals.

The California Air Resources Board (ARB) recently approved regulations that will significantly increase the number of zero emission vehicles (ZEVs) in California. Automakers, ARB, and other experts expect a significant number of ZEVs to be FCEVs powered by hydrogen—a very clean, low carbon, domestically produced fuel. The Clean Fuels Outlet (CFO) regulation, also recently adopted by ARB, assures that hydrogen infrastructure keeps pace with automakers' planned FCEV volumes. The immediate challenge is to provide enough stations to get started.

Today California has six public stations in operation, and another estimated 31 stations for which funding is or will soon be committed. The California Fuel Cell Partnership members' assessment is that a statewide network of 68 stations will give early FCEV customers convenient access to fuel and spur the market launch. This leaves a gap of 31 stations and \$65 million to complete and operate the core network of 68 stations. These stations will serve as the foundational infrastructure for our future, enabling significant volumes of FCEVs to come to market. At that point, the CFO regulation will assure the station network expands to meet growing consumer demand.

# Potential Funding for the Hydrogen Infrastructure Trust

Potential Funding Sources		Funding
Continued CEC Support	2013-2014 AB118 Funding	\$10 million
	2014-2015 AB118 Funding	\$10 million
New CA Funding	AB32 Auction Proceeds?	\$25 million
Other Funding	DOE	\$20 million
	Local AQMDs	
Total		\$65 million

Funding commitments will enable OEMs to have confidence in their vehicle planning because the minimum necessary infrastructure will be in place.