MOVING

toward a commercial market
for hydrogen fuel cell vehicles

Clean Vehicle Expo

October 14, 2008

California
FUEL CELL
PARTNERSHIP
DRIVING FOR THE FUTURE

CaFCP MEMBERS

Promoting fuel cell vehicle commercialization as a means of moving towards a sustainable energy future, increasing energy efficiency and reducing or eliminating air pollution and greenhouse gas emissions.

AUTOMOTIVE
Chrysler
Daimler
General Motors
Ford
Honda
Hyundai
Nissan
Toyota
Volkswagen

ENERGY
Chevron
Shell Hydrogen

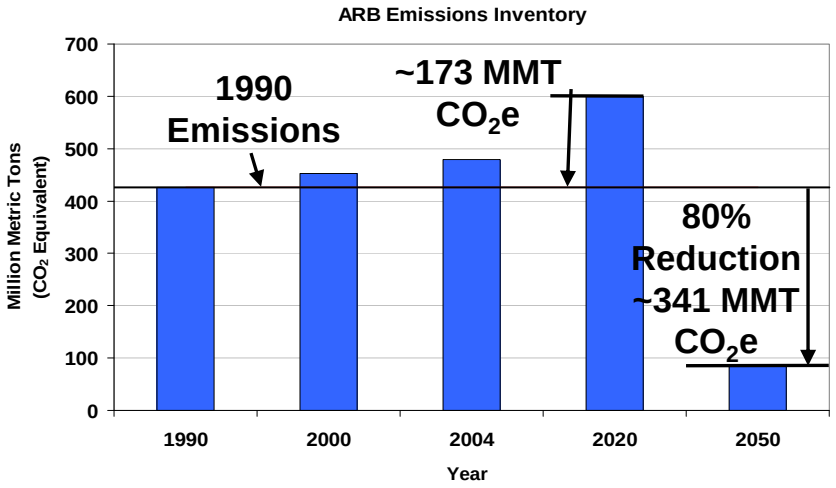
TECHNOLOGY
UTC Power
AFCC

GOVERNMENT
CA Energy Commission
CA Air Resources Board
National Automotive Center
South Coast AQMD
US EPA
US DOE
US DOT

ASSOCIATE
AC Transit
Santa Clara VTA
SunLine Transit
Air Products
Praxair
Proton Energy Systems
Powertech
Ztek
ISE Corporation
ITS – UC Davis
NFCRC – UC Irvine
CA Dept. of Food and Ag

WHY FCVs?

Zero tailpipe pollution

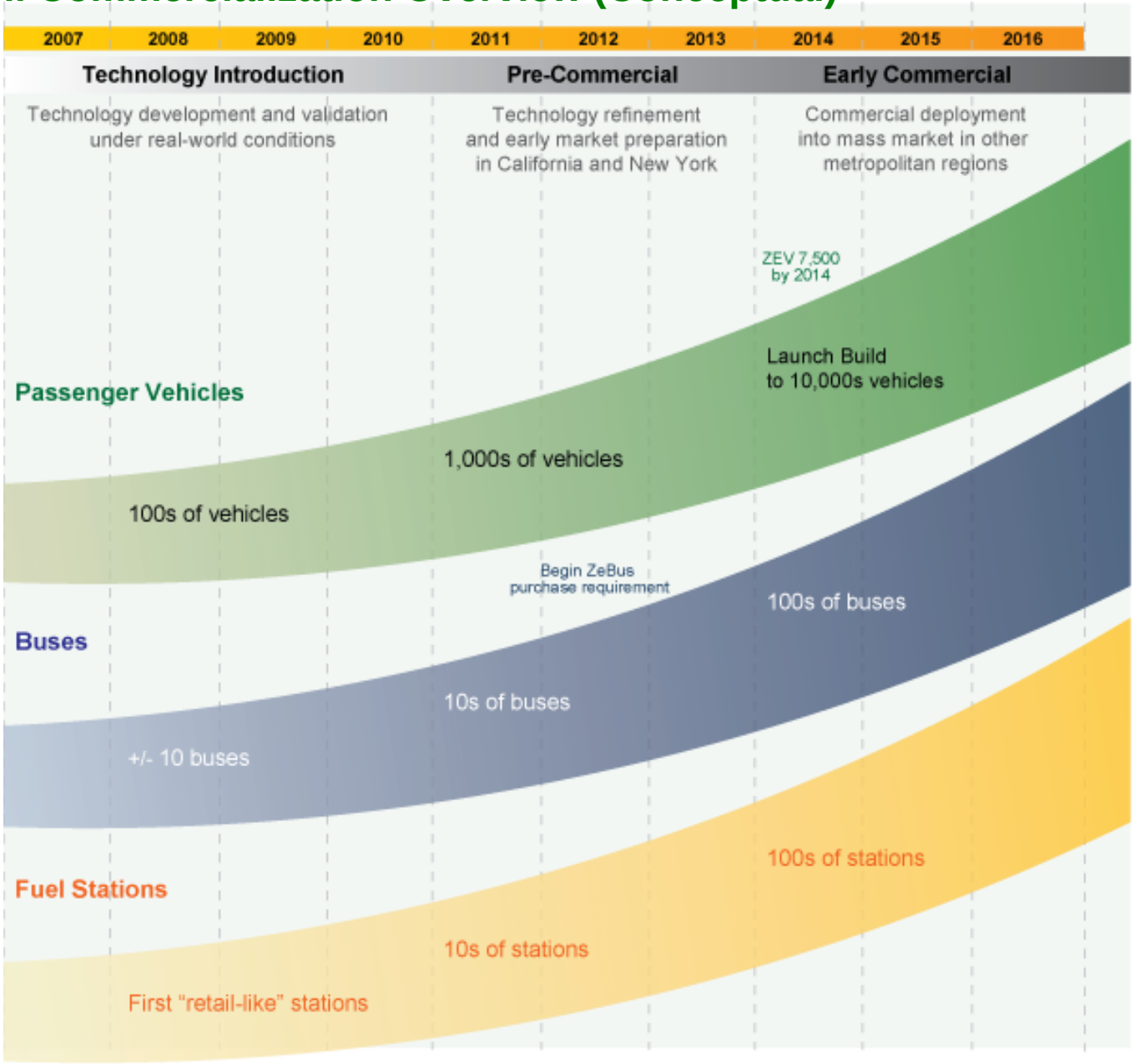


Reduce GHGs

Sustainable, domestic fuel

Vehicles people want to drive

Fuel Cell Commercialization Overview (Conceptual)



TRANSITION

Today – 250 vehicles
+ 25 stations

How we get there from here

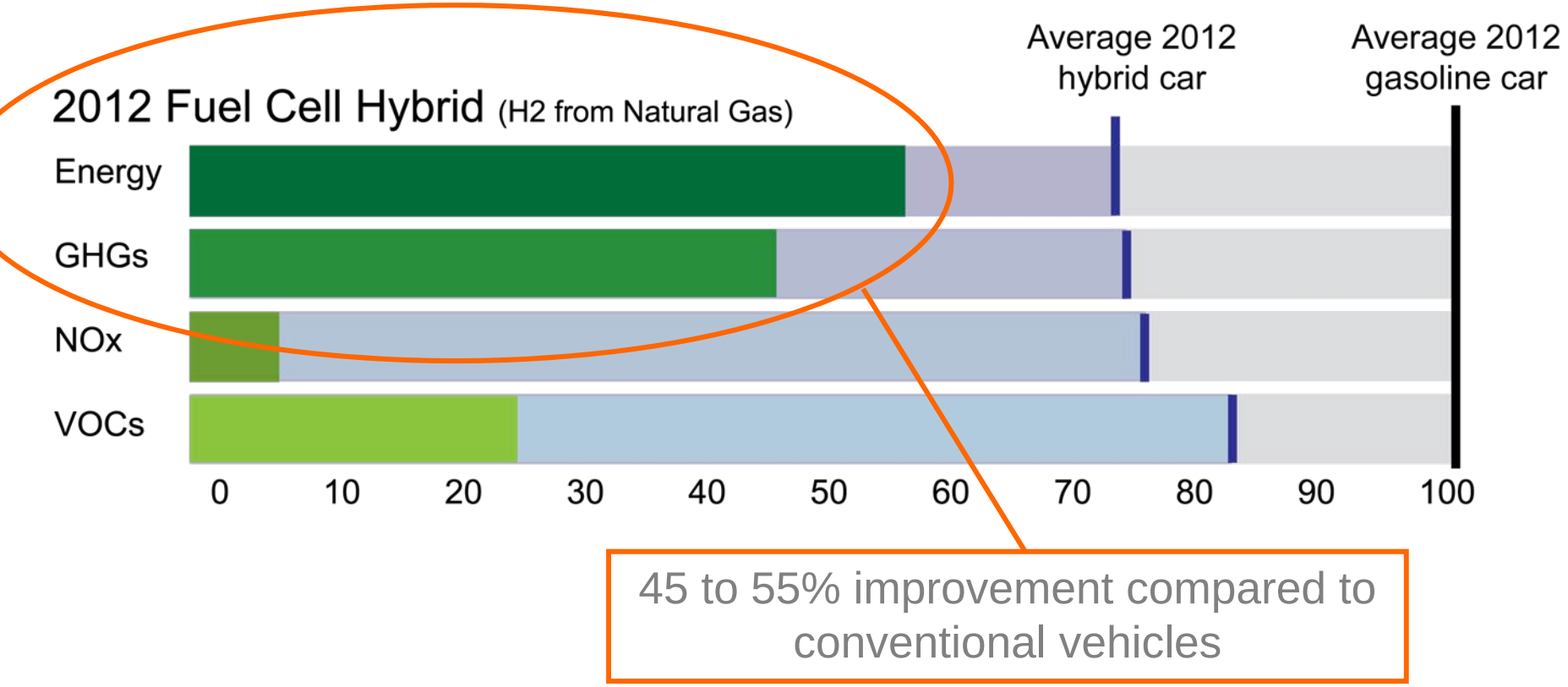
2015-17 – 10,000s vehicles + 100s stations

EARLY MARKET

- Focus in target regions (e.g. LA)
- Cluster stations and vehicles
- Customer-friendly, easy to use fueling network!

TODAY'S BENEFIT

"well-to-wheels" of a FCV using H2 from natural gas



Data from CEC-600-2007-004-REV, August 2007

THE GOAL

ZERO

ZERO GREENHOUSE GAS EMISSIONS.

ZERO

ZERO TAILPIPE POLLUTION.

ZERO

ZERO GASOLINE.