

CaFCP: Building Market Foundations

Catherine Dunwoody
Executive Director



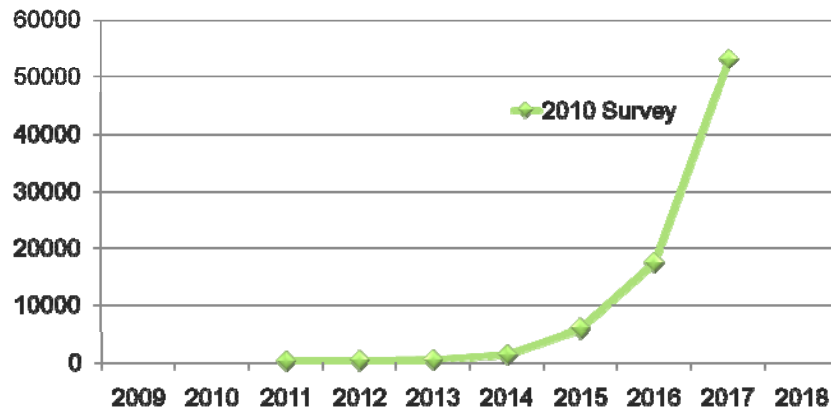
FCVs & stations in California



- ▶ 359 FCVs/FCBs since 1999
 - >150 operating now
- ▶ ~3.5 million road miles
- ▶ 24 operating stations
 - 4 public stations
- ▶ 8 stations in construction/development
- ▶ 11 stations in planning/funding



December 2010 OEM survey



3

GM



“Hydrogen and fuel cells could create as many as one million jobs worldwide, more than 250,000 in the US alone.”



Honda



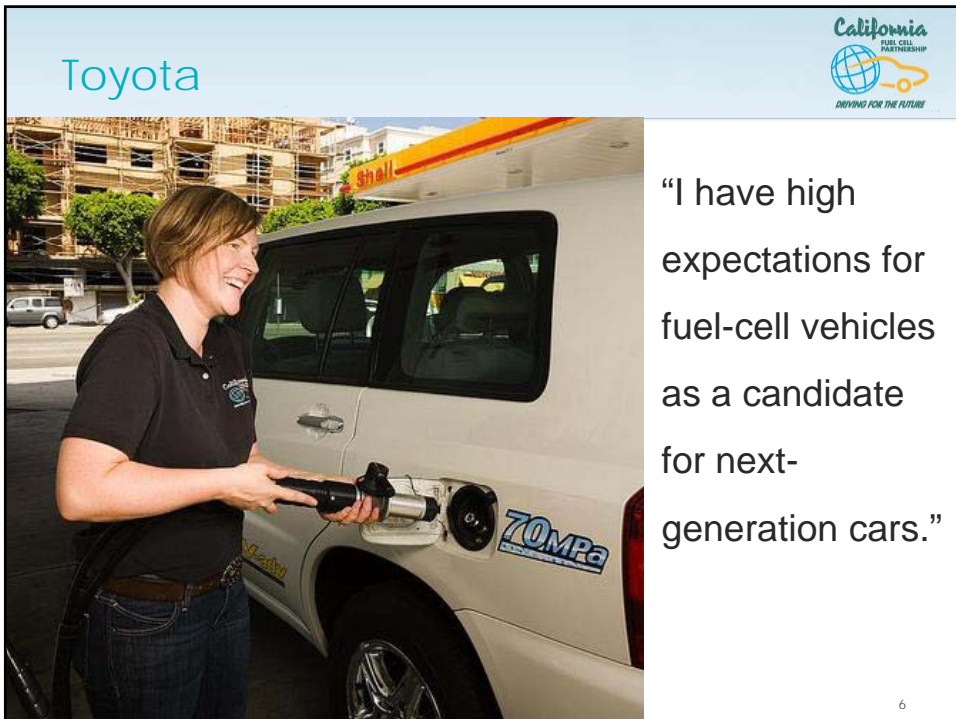
“We continue to believe that a fuel cell electric vehicle is the ultimate solution to reduce CO2 emissions.”



Toyota



“I have high expectations for fuel-cell vehicles as a candidate for next-generation cars.”



Mercedes



“The entire 20,000-mile journey is the carbon equivalent to three and half minutes of German traffic.”



Hyundai/Kia



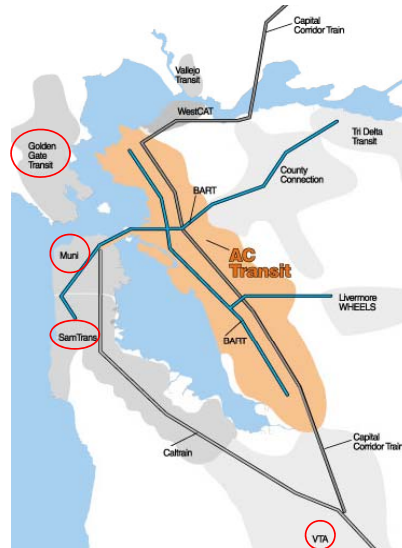
“We will build a small-scale production system to begin manufacturing from 2012.”



Fuel cell buses



- ▶ 12 new buses
- ▶ 5 transit agencies
- ▶ Shared service
- ▶ Shared training
- ▶ \$54 million



9

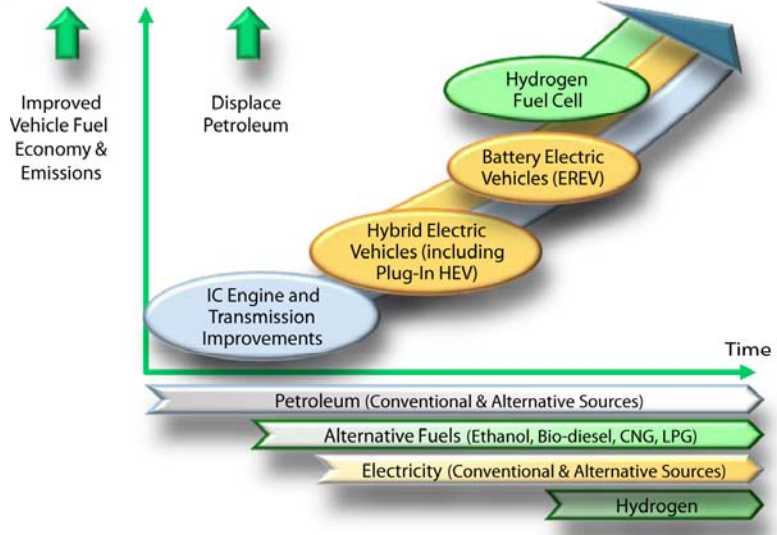
DOE commercialization targets



- ▶ Fuel cell efficiency: 60% by 2015
 - Progress: 56-59%
- ▶ Durability goal: 2,000 operating hours by 2009
 - Progress: 2,500 operating hours
- ▶ Range: 250 miles by 2009
 - Progress: 250-350 mile range, two vehicles 400+
- ▶ Cost: \$45/kW by 2010
 - Progress: 70% cost reduction to \$61/kW in 2009

10

FCVs in the portfolio



11

Questions or Comments?



Catherine Dunwoody
cdunwoody@cafcp.org
916-371-2870
www.cafcp.org