Why an FCV?

- All electric drive
- 300-400 mile range
- 50-70 mpge
- 0-60 under 6 seconds
- Minutes to fill the tank
- Passenger & cargo capacity
Ready for commercial launch?

- Fuel cell system costs near $30/kW goal; reduced 30% since 2008
- 2,500-hour real-world durability (75,000 miles)
- Projected H₂ costs reduced to $3.00/gge—competitive with gasoline.
- Driving range of up to 400+ miles
- 59% efficiency, >2x efficiency of gasoline internal combustion engines
- FCVs are one of the lowest GHG vehicles
  - WTW GHG emissions 40-90% lower than projected 2035+ ICEVs and 15-84% lower than 2035+ HEVs.

Sources: US DOE
http://www1.eere.energy.gov/hydrogenandfuelcells/accomplishments.html
http://www1.eere.energy.gov/hydrogenandfuelcells/tech_validation/
Plans for FCVs in California

Survey identifies early market communities and quantifies projected vehicle placements in each community

Annual automaker surveys show plans to ramp up to more than 50,000 FCVs in California by 2017
Cluster deployment in early years
Growing the market

- Fuel available in advance of vehicles
- Safe, convenient customer experience
- Standard payment systems
- Positive business case for H₂ retailers

State of CA H₂ investment:
- $18.7M 2009-2010
- $18M proposed 2011-2012
Majority of stations in So Cal
Thank you!
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