Tri-County Hydrogen Readiness Plan

Board of Directors
Santa Barbara County
Air Pollution Control District

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Hydrogen Vehicles

• On-road vehicles emit 18% of smog-forming pollutants in the county
• Cleaner air depends on reductions of on-road emissions
• Hydrogen vehicles have almost zero tailpipe emissions, considered a “zero-emission vehicle” by state of CA
• Fuel cell vehicles are available in California and more expected in 2016
Questions to Answer

• Where to refuel these vehicles?
• How to get a permit for a hydrogen fueling station?
• How do firefighters/first responders keep people safe?
• How do cities, counties and fleet operators learn about hydrogen vehicles?
California Energy Commission
Grant Agreement

• Provides $242,872 to develop a “hydrogen readiness plan” for tri-counties region

• Request direction for APCO to sign the grant agreement with the California Energy Commission and commit the District to preparing the readiness plan

• Commits the District to specific goals and timelines
  – regular meetings and updates with grant team and with Energy Commission staff
Hydrogen Readiness Plan

• Tri-Counties Infrastructure Plan – identify possible refueling sites and assess readiness
• Tri-Counties Permitting Manual – guidance for reviewing applications for new refueling stations
• Safety guidelines and training for first responders
• Adoption and Promotion Plan – meetings with city and county officials, orientations, training, and outreach to potential owners
Developing the Plan

• District is lead for California Energy Commission grant
• Working with partners
  – Ventura County and San Luis Obispo County APCD
  – Ivor John Associates
  – UC Irvine Advanced Power and Energy Program
  – Central Coast Clean Cities Coalition
  – Energy Independence Now
  – Community Environmental Council
  – A-Z Safety
Questions?