

Proposal for Alternative Fuel Readiness Plan for San Mateo County

C/CAG Congestion Management Technical Advisory
Committee

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Background

- State Investment Plan for the ARFVT (Alternate and Renewable Fuel and Vehicle Technology) Program:
 - Provide Energy Commission funding to develop Alternative Fuel Readiness Plans
 - 10 Regional projects awarded (2012) for PEV readiness
 - PON-13-603 (Alternate Fuel Readiness Plans (extends to other AFs, AFVs, AFI)
 - \$2.1M Grant Program
 - C/CAG's Proposed Project: \$356K

Proposed Project

- Objective: Develop AF Readiness Plan for San Mateo County
 - Prepare county agencies and municipalities for AF commercialization
 - Provide blueprint to public agencies in permitting & deploying AFI, providing training, and stimulating increased AF use
- Project Description
 - 6 technical tasks aligned with individual PON project objectives statements (1 administrative project task, includes final report)
 - Project final report: Alternative Fuels Readiness Plan for San Mateo County

Project Description

- Analyze existing and potential incentives for increased usage of alternative fuels
 - Analyze potential policy options, feasible local incentives program options, and possible AFI installation and AFV purchase opportunities that could be encouraged by local government
- Identify challenges & opportunities for sharing best practices for planning, permitting, deployment, maintenance, and inspection of AFI
 - Identify challenges presented by zoning and parking policies, local building codes, permitting and inspection processes, and training and education programs for local stakeholders
 - Document actions/ recommendations to make the planning/ execution process for incorporating AFVs and the associated AFI uniform, transparent, and open to the many stakeholders

Project Description

- Develop training materials/ classes for fleet operators, planners, first responders, and decision-makers regarding AFI development
 - Adapt the PEV and EVSE training materials referenced in the Bay Area PEV Readiness Plan for specific use in San Mateo County
 - Develop comparable training materials for CNG, LNG, LPG, and hydrogen fuels. Schedule training as an option
- Develop strategies and best practices to increase procurement of alternative fuels
 - Make recommendations to county & city government agencies to incentivize the expanded use of PEVs and other AFVs in San Mateo County and the installation of the AFI to service them
 - Consider AFV purchases by government and direct incentives to the public to install AFI and decrease the price difference between alternative and petroleum fuels

Project Description

- Develop marketing analyses, marketing materials, and outreach strategies to communicate the benefits of AF usage to targeted groups such as fleet owners/operators
 - Develop catalog of the consumer education/ outreach efforts of the local organizations that could impact the county and the cities
 - Identify specific aspects of these education/ outreach efforts that have direct effect on other entities within the county
 - Use catalog to specify the strategy to better communicate AF use benefits to current/ potential user communities within the county
- Develop strategies to assist AF wholesalers/retailers to increase the availability and/or reduce the cost of AFs
 - Document countywide fueling/ charging station siting plan to guide future AFI siting efforts based on anticipated or projected demand for fueling/ charging stations

Thank You