

MEMO

To: California Energy Commission
From: Robert Garzee & Jim Robbins
Silicon Valley Clean Cities Coalition
Solar Fueling of Electric Vehicles

Date: February 21, 2009

Re: Response to AB118 Public Hearing in San Jose

DOCKET	
08-ALT-1	
DATE	<u>FEB 21 2009</u>
RECD.	<u>FEB 23 2009</u>

The plans for **Solar Fueling of Multiple Categories of Electric Vehicles Demonstration Project** were presented at the recent public hearing in San Jose on Feb. 11, 2009. This memo is to provide a document for the public record of our intent to propose such AB118 demonstration project.

Mission: To develop a demonstration of categories of Fleet Electric Vehicles that can be fueled by Solar Energy for Fleets to understand the “Zero Emission to Zero Emission” solution. This includes Patrol, Industrial, Meter Reader, Neighborhood, Light Duty Vehicles and the Solar Parking Covers to provide the Energy for Fueling these vehicles.

Team: Silicon Valley Clean Cities Coalition, AAraya Group, Synergy, ELV, Silicon Valley Edition, Columbia Par Car, and other members of the Transportation Center of Excellence: Vehicle Categories include:

AAraya Solutions

- Turnkey packages of Solar Systems & Electric Vehicles

The slide features a central 'AARAYA EXPERIENCE' logo. To its left is a photo of a solar parking structure with cars underneath. To its right is a photo of a solar panel array on a roof. Below these are six categories of vehicles, each with a small image and a label: 'PATROL (Bikes and ATVs)' with a motorcycle and ATV; 'LIGHT INDUSTRIAL' with a small truck; 'CITY/STATION CARS' with two small cars; 'METER READERS' with a small car; and 'PHEV' with a SUV. At the bottom, it says 'ALL ZERO EMISSION'.

Solar Fueled Fleet Demo, continued

Solar Fueled Fleet Demo would cost between \$250,000 & \$600,000 depending on the number of vehicles and could be accomplished within one year. A Municipal Fleet partner would be included.

A financing option would be included in the solution so Fleets could implement their “Zero Emission to Zero Emission” project and spread the cost over 3, 5 or 7 years.

Silicon Valley Clean Cities Coalition

SOLAR FUELING Plus EV'S

- EXAMPLE: Fleets to be provided with Solar Electric Systems and a varied stable of Electric Vehicles
- Strong support from DOE Clean Cities Coalitions and Center of Excellence team.
- Zero Emissions, Zero Fuel Costs, Zero Imported Oil, Economically Viable- TODAY
- \$200,000,000 of ORDER FINANCING: Solar & Vehicles

Solar Fueling of Electric Vehicles combines two Silicon Valley key technologies: BATTERY and SOLAR. We have the expertise required on the team.

Solar Fueling, continued

Teaming Philosophy:

The *Transportation Center of Excellence* shows our philosophy of teaming on the *Solar Fueling of Electric Vehicle* project. Silicon Valley Clean Cities Coalition highly recommends this project of “Zero Emission Fueling Zero Emission.”

