



## ELECTRONIC TRANSPORTATION DEVELOPMENT CENTER A Green Vehicle Support Center

### DOCKET

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DATE MAR 07 2011

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#### Seven Years of Service to Green Transportation..

..utilizing a total of  
150 man years of  
Green Transportation  
experience.

Located within:

**TECH** @ Market & Park  
Ave. & Silicon Valley  
Clean Cities Coalition  
@ 1469 Park Ave.,  
San Jose, CA

#### TRANSPORTATION FACULTY:

##### Lt. Duty:

B. Deal  
B.Huang  
T. Thurston  
Dan Howley  
G Smedley  
DC Greer  
J. Todd  
D. Kusa  
S. Saba  
E. Bless  
S. Prange  
M. Brown  
E. Swarington

##### Med/HD

D. Beams  
J. Helmer  
W. Moore  
M. Berman  
R. Knight  
D. Howley  
G. Smedley  
B. Deal  
J. Dunning  
E. Bless  
B. Huang  
J. Todd  
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J. Robbins  
M. Sidener

408-500-1740

Presentation at CEC: March 7, 2011

Alternative and Renewable Fuel and Vehicle Technology Program Advisory Committee Meeting

California Energy Commission- Hearing Room A

I am Bob Garzee, Founder of the Silicon Valley Electronic Transportation Development Center (ETDC). Thank you to Commissioner Boyd and the Program Managers and staff for inviting me to speak. In the past, the ETDC was pleased to host a CEC Workshop in Silicon Valley at one of our members, IBM National Research Center, where we introduced another of our members, the Proterra all-electric bus. That transit bus is now operating in Pomona, California

Jim Robbins, who spoke earlier, and I are recommending that you implement your previously discussed CENTER OF EXCELLENCE finding of the 2010-2011 Report that is referenced in your 2011-2012 documents of today. In consideration for the lateness of the day I will hold my speaking time to under 3 minutes.

The Electronic Transportation Development Center, is a 7 year old, partially EDA funded Silicon Valley Innovation Center for Green Fleet Transportation. We work with the City of San Jose, the 10<sup>th</sup> largest city in America and the Capital of Silicon Valley. We are partnered with Breathe California, a 100 year old health organization, and we pay attention to those emission issues already brought up by your American Lung member. We are partnered with the Silicon Valley Clean Cities Coalition (DOE) and focus on the reduced dependency on foreign oil and we are fuel neutral.

We all believe that private-sector Silicon Valley has unique innovative technology to make Green Transportation practical, affordable and NOW. Working with the Economic Development Agency the City of San Jose is building a Green Transportation Innovation Center to leverage Silicon Valley Technologies on Transportation and to house our Center (ETDC)

Upon hearing of the CEC potential CENTER OF EXCELLENCE funding last year we formed an ETDC Faculty of 32 experts and organizations in Green Transportation. So, in addition to a dedicated building center we added a Workforce Development group and have trained over 500 attendees in the Now areas of EV's Solar Fueling, Natural Gas and Propane.

For our Faculty we brought on the former Fleet Manager of the City of San Jose (ret) for reality of purpose (we believe that vehicles developed should not just be for photo shoots with the Mayor but that get the Fleet Managers job done). We brought on the former Transportation Manager of the City (ret) for correct policy determination. The office of Economic Development joined in to seriously address California manufacturing and the Office of Environmental Services for its focus on solar-garage infusion into transportation. Your CEC Member Charles Smith has seen our team in operation.

We added 14 Silicon Valley Green Transportation start-ups, which included Proterra Bus, ElectraDrive and AAraya and accomplished sponsorship from Clean Energy. We partnered with a private financial firm Government Capital for access to \$200,000,000 in Green Transportation order financing to help private leveraging of government grants and for matching funds.

We have reached out to the Clean Tech Open to focus on Angel Investors and the care and nurturing of Silicon Valley Green Transportation start-ups. We wrote a Business Plan outline for their Alumni Chair to review how we can help. Our Battery Center focus has caused us to reach out to include Lawrence Berkeley Labs to help solve real industry battery issues.

As your Charles Smith witnessed, we have added a Solar Fueling of EV Group because as an example of Medium & Heavy Duty, Electric School Buses oil based fuel can be replaced with its Solar-grid-tied-garage housing of 75 kWh solar capacity to fuel the bus. We call it ZERO EMISSION Squared. We say "*Shine, Baby, Shine*" and we have a full portfolio of electric fleet vehicles that apply.

As you can see we want you to take advantage of Silicon Valley Innovation in Green Transportation by implementing your CENTER OF EXCELLENCE funding and we would like to apply for it.

Thank you.



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