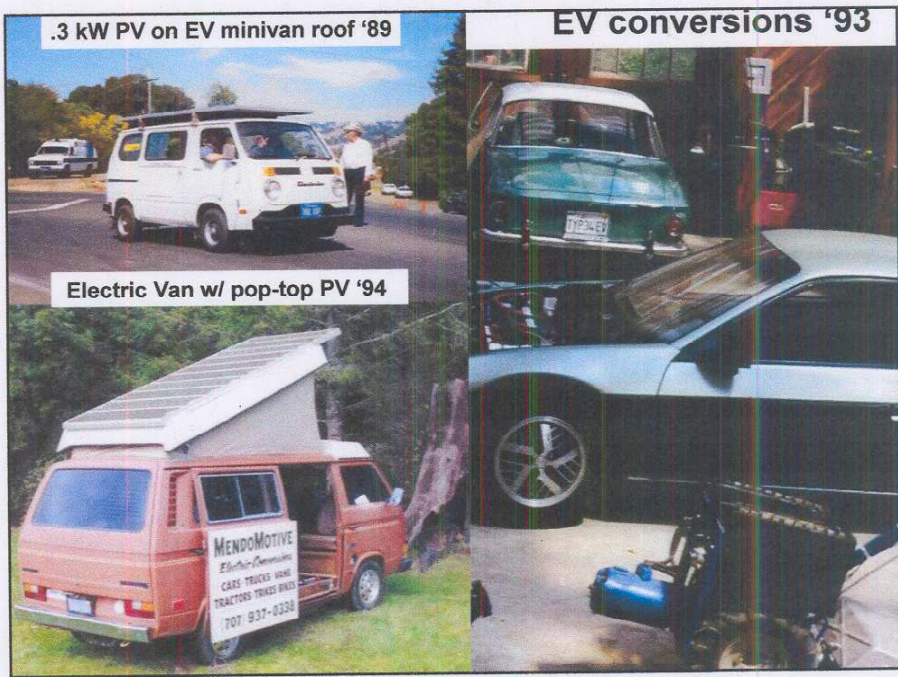


Steve Heckeroth
08-3-5

**Comments to CARB on ZEV Rulemaking Issues
March 27, 2008**

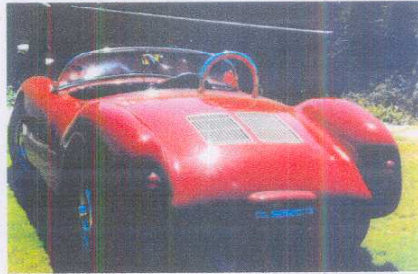
by Steve Heckeroth

Chair of the Renewable Fuels and Sustainable Transportation Division
of the American Solar Energy Society





1993, 100 mile range



0 – 60 mph in 8 sec.

Solar-Electric Agricultural Tractors



E- Porsche and E-Tractor '93



E-tractors Built in Ft. Bragg shop '94

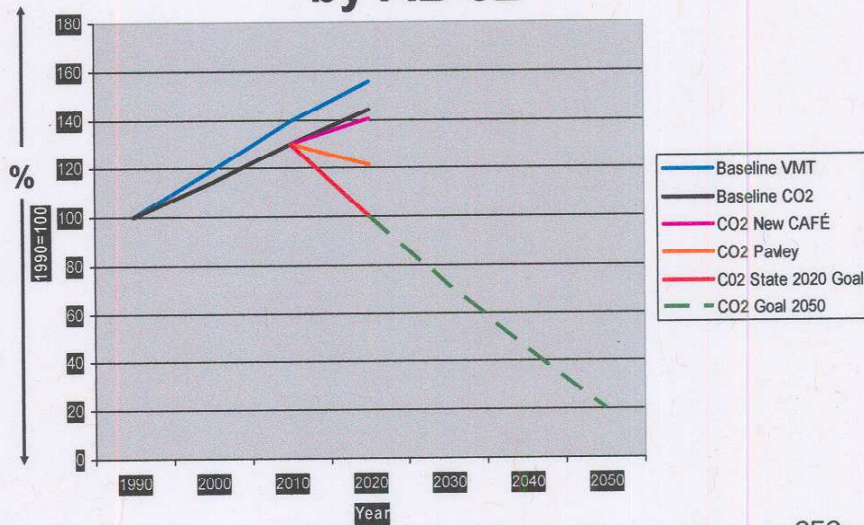


Built for Ford-New Holland '95



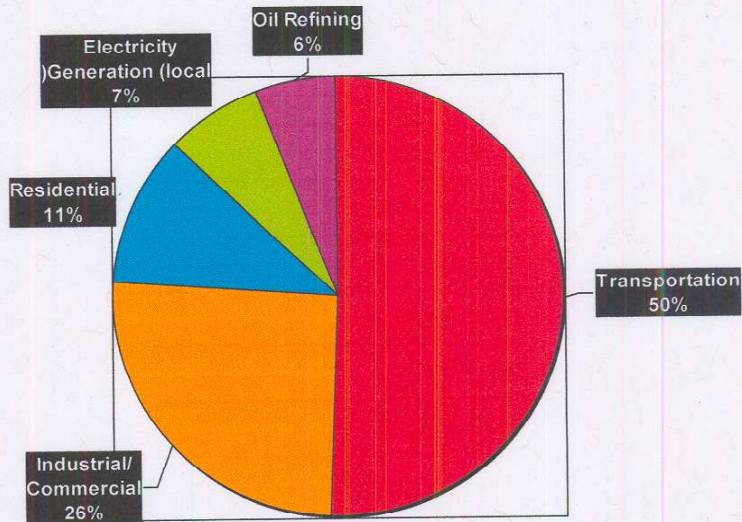
Solar Charged '96

Emissions Reductions Mandated by AB 32

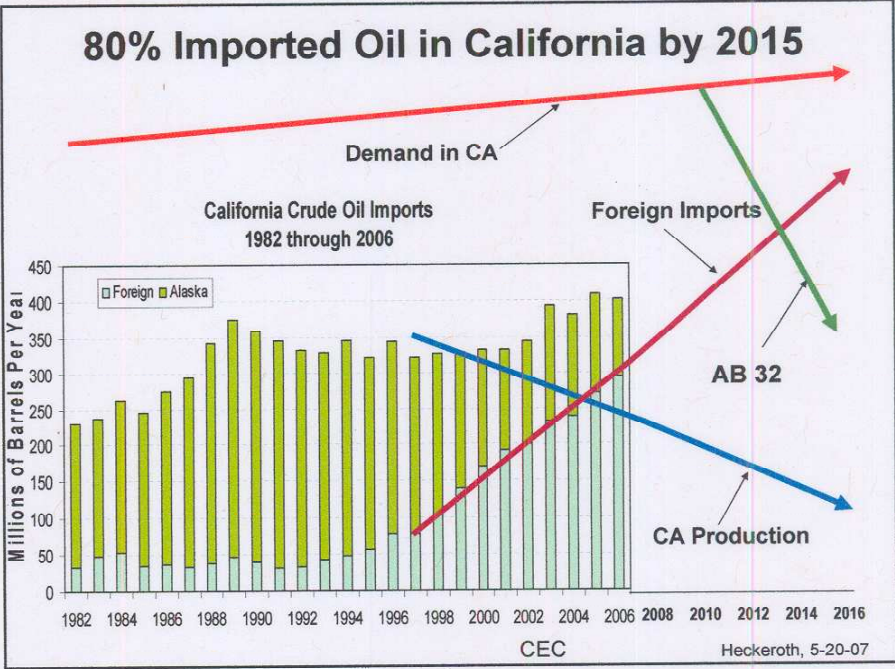
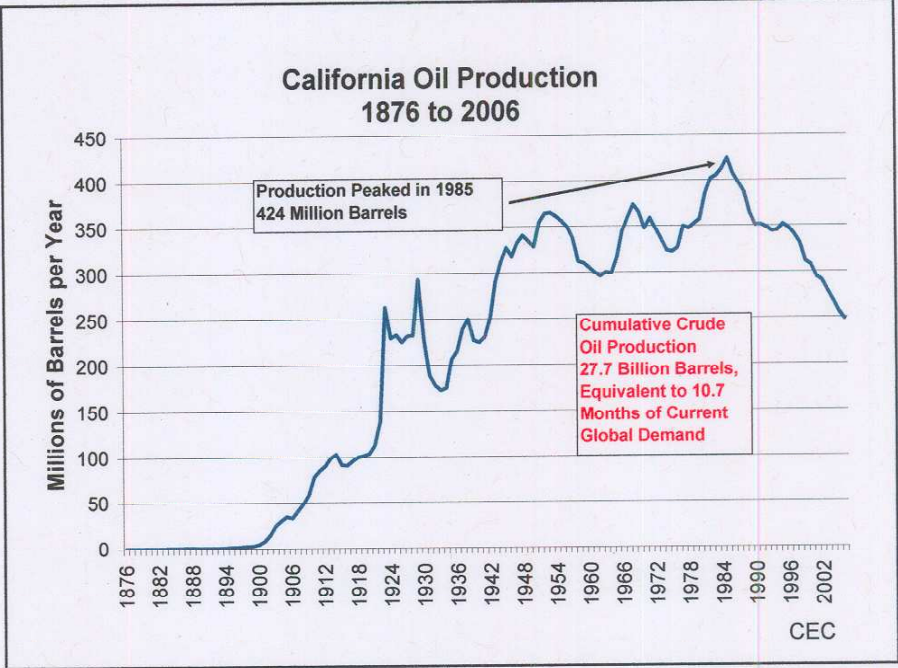


CEC

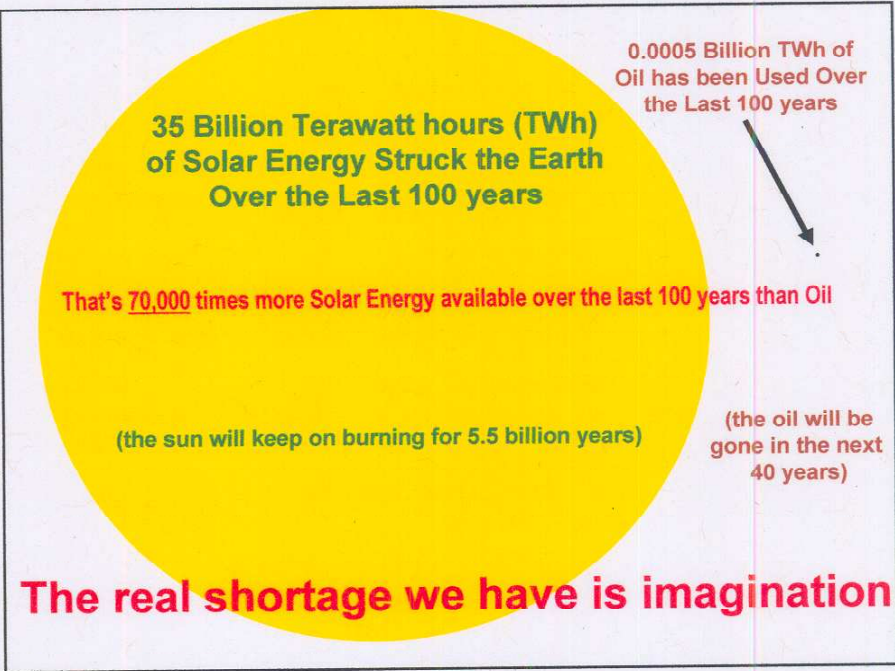
Bay Area CO2 Emissions



CEC



There is more than enough Solar Energy to Fuel Transportation



Burning oil for mobility is as necessary as burning kerosene for light

Time for an Alliance Between Utilities, PV and Transportation



Smart Meters capable of turning off non-essential loads to avoid blackouts can be used to buy electricity from EV batteries tied to the grid (V2G) to level utility loads. Night charging can level utility loads by using wasted spinning reserve to charge 73 million EVs.



6kW BIPV provides power for Co-Housing and shared EV



110kWh/day PV, 52 kWh of EV batteries

Combustion is BAD

For our Health
For the Climate
For our Economy

Please do your job
and revive the ZEV mandate
and eliminate combustion
before it eliminates us

