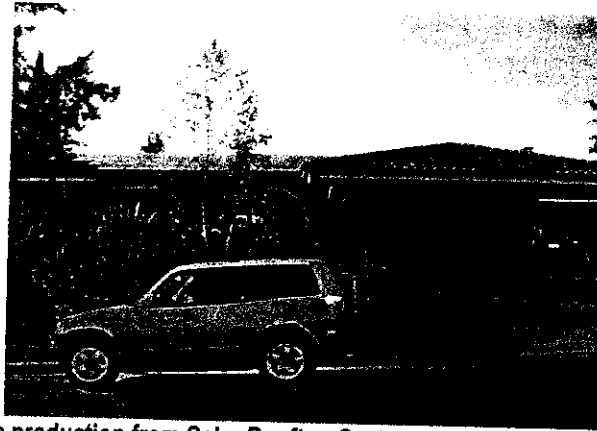


07-5-5
May 24-25, 2007
Doug Korthoff



Excess electric production from Solar Rooftop System powers plug-in Toyota RAV4-EV

Plug-in Cars: Self-funding for solar power and clean air

General Motors ("GM") has admitted that the future of transportation is electric traction power. The all-electric Toyota RAV4-EV travels 3 to 5 miles on each kilo-Watt-hour ("kWh") of electric power, 105 to 175 miles on the energy equivalent of a gallon of gasoline.

The Toyota RAV4-EV was last sold in Nov., 2002, but all 328 in the hands of the public are still running like new. Just as the GM EV1 were just as good as new when GM crushed them.

Most of the Toyota RAV4-EV owners have installed solar rooftop Photo-Voltaic ("PV") electric systems. Each kWh, **when used to displace gasoline purchases**, is worth about \$1.

The solar PV system produces excess electric in the daytime on-peak critical period, helping avoid blackouts. The credits from this production are used to pay for slow, overnight off-peak charging of plug-in EVs.

**Citizens want to install solar and finance it by
using their own electric to plug in their own car.
All we need are the plug-in cars.**

A new Zero Emission Vehicle (Z.E.V.) mandate is needed, to force auto makers to produce plug-in Electric Vehicles. The California Air Resources Board has the power, and the duty, to do so.

Recent studies show that children raised closer to freeways show significantly more permanent lung damage than children living a mile away. Both suffer shriveled lungs from gasoline-powered auto emissions and from the refineries needed to make the gasoline. There is NO conceivable benefit that would make permanent lung damage acceptable.

So long as cars and refineries emit pollutants that create anhydrous nitric and sulfuric acid, this cost will be borne by our kids. There is no place in L.A., or other major cities, that is not close to freeways, refineries, or densely-packed cars on residential streets.

The only solution to auto emissions is **cars that don't emit, Z.E.V.** Powered by solar rooftop electric systems on every rooftop, we can keep the freedom of the car and also keep our money out of the hands of the oil companies. The only thing we need are more cars like the 2002 Toyota Nickel Metal Hydride plug-in EVs pictured above. Toyota knows how to make these EVs. CARB must force auto makers to release them on the free market, available for sale to volunteer Citizens who want to live **EV-PV, the essentially oil-free lifestyle.**

Please fill out and send in the letter on the other side of this flyer. You can also sign up to join the campaign, add your ideas, or start a local study group by following links on

www.EV1.org

Doug Korthof www.DrivingTheFuture.com or HondaEV.org 562-430-2495
email Doug@SealBeach.org

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California Air Resources Board ("ARB"), Attn. Clerk of the Board
1001 "I" St., Sacramento, CA 95812
916-322-2990 FAX 916-445-5025

Doug Korthoff

Dear Chairman Sawyer, members of ARB, staff and public:

ARB cancelled the Electric car in 2003, allowing auto makers to **crush** almost all of the battery **Zero Emission Vehicles ("ZEV")** then in service. The rationale was to build hybrids that could not plug in, and wait for fuel cells. Over 2000 ZEV were crushed. Today, there are **only 93 fuel cell** cars in California, **only ONE public**, fuel cells seem farther away than ever. But there are still **900 Toyota RAV4-EV** that escaped and are still running fine, **328 in the hands of the public.**

Obviously, **killing the Electric car was:**

- | | |
|--|---|
| <input type="checkbox"/> A Terrible mistake | <input type="checkbox"/> A good move |
|--|---|

ARB needs to move forward with a new ZEV mandate, requiring automakers to **SELL** plug-in serial hybrids on the free market with no trick or artifice. Using solar rooftop Electric to plug-in allows avoiding enough gasoline purchases to make solar power self-financing. All that's needed is the plug-in EV capable of 1000 electric-only miles per month at all speed ranges, like the Toyota RAV4-EV. **We need ARB to:**

- | | |
|---|--|
| <input type="checkbox"/> Require sale of plug-in car | <input type="checkbox"/> Continue burning oil |
|---|--|

Studies presented to ARB in March 2007 show that **lung growth is permanently stunted in children**, more so the closer they live to freeways. Only with ZEV can we live amongst cars. ZEV also lowers the need for refineries, lowering stationary source pollution too. **My thoughts:**

I demand the choice of living "**oil-free with EV-PV**". I want to finance my solar electric PV rooftop system by using some of the excess electric to drive my plug-in EV. Each dollar saved not buying gas cleans the air, land and water.

Signed _____ Date _____

Printed Name _____

Address _____

City _____ ZIP _____

Tele _____ Email _____