

## eer

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**From:** FEerguy9 (*feerguy9\_at\_cs.com*)

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Electronic electricity repository is an energy concept that aims to accumulate and store electrical energy from any source. The storage would be intended to accommodate such things as electric vehicles, home heating, etc. The best example is the EV – an electric car that would run on an ever-accumulating power source. That is to say, any and all sources of electrical energy — including diffuse sources — would be collected, combined and stored in the form of capacitance. But, wouldn't the capacitor plates be bigger than the vehicle? Well, yes they would, unless a way to increase the surface area of the plates *\*within a small perimeter\** could be fashioned. The plates (and the dielectric) *\*must\** match exactly, to gain optimum charge. I suggest that Scanning Tunneling Microscope Technology, or possibly even nanotechnology be used to accomplish this — whatever could configure roughly halfway to the molecular level. Doing this — configuring massive surface area within a small perimeter — is the heart of eer. It could involve steps, or grooves to 'tuck' the surface areas away. BTW, this would necessarily require a *\*much\** stronger dielectric, which admittedly is taken on faith – but it could be many years away.

The object is to configure the plates and dielectric so they all fit like Jell-O in a mold, and to make these all small in perimeter — while yielding enormous surface area. That way, it is hoped, enough charge could be stored to run an EV. Further, it is expected that about 15 sources of renewable energy (solar, wind, wave, etc.) would be able to contribute to the 'eer pool' of stored electrical energy. In time, renewable energy stored in this way could effectively replace fossil fuels and batteries for vehicles.

The renewable sources need not necessarily have a device actually *\*on\** the vehicle; it is anticipated that such renewable devices could be located, say, in or on a garage, and the electric charge transferred to the vehicle when required.

I ask you — with the advent of electric cars, might not this concept (if it worked) pretty much end our dependence on oil?

NOTE: This idea absolutely, in no way, breaks the Second Law! No more than a 12v car battery does.

Frank Lincoln  
FEerguy9@cs.com  
eerguy9@aol.com

eerguy2000@yahoo.com

PS: In case you hadn't noticed, I am VERY weak with computers.

More, if you like.....

This is no more than a guess from a novice

There are some mistakes in here

In one sentence, I am saying that a very, very advanced capacitor is possible, and would accommodate most of the energy problems we have today -- basically it would do the job that the energy function of oil now does.

An energy concept

Yes, there is a 21st Law of Thermodynamics.