

## STEP I: NATIONAL STRATEGIC PRODUCT COOPERATIVE

The strategic economic needs of the nation and globe, particularly with regard to energy efficiency, alternative energy development and investment in strategic green product development, is not going to happen fast enough, or perhaps at all, without a national strategic product development initiative. It is the economic basis in fact for the Electric Corridor as it provides production at economies of scale.

As a highly public example: President Obama wanted 1 million hybrid/electric vehicles by 2015. To meet that goal these vehicles would have had to be mass produced at a much cheaper cost and thus much cheaper sales price (under \$20,000) than current models. This can only happen if these vehicles are (1) standardized; (2) mass produced due to mass purchase advance orders (investment); (3) built with guaranteed cooperative labor arrangements; and (4) produced without profit-model manufacturers, hence the cooperative business structure. If we do not cooperatively act now, China or India will flood our markets soon with standardized models well under \$10,000.

The National Strategic Product Cooperative initiative determines, through both a public citizen process and with broad input from many experts, a number of strategic “green” products, such as:

- **Energy efficient controls for commercial and residential buildings;**
- **Battery packs that are both power and storage units** – (a) A key cost factor for hybrids and electric vehicles are batteries. (b) The cost of transmission lines is a major factor that prevents alternative energy production locally. The “holy grail” solution for alternative energy development is electric storage. (c) A solution for both is a power pack that is also a storage unit. Every substantial building in America could have these units, and Tesla company has already built a relatively expensive model;
- **Hybrid/electric vehicles** – Mass advance ordering for mass production of the same basic vehicles is the only way millions of hybrid/electric vehicles will be manufactured as HOVs and smaller commuter cars, and be affordable for the average commuter;
- **Solar panel units** — Mass installations along Electric Road delivery systems, on every flat roof and many non-flat roofs with residential “Power Tower” installations. These units need to have cross power generation built in like water collection;
- **Small, modular wind power systems** – Small scale and micro wind turbines;
- **Waste conversion units/products** – Advance marketing and product R & D from recycled plastic and other waste products is in its infancy. Waste conversion to fuel and products should be a high investment priority nationally, after energy efficiency. It is a win-win and we have virtually unlimited amounts of waste, much of which CAN be processed cleanly in units such as anaerobic digesters;
- **Electric Road Corridor (ERC)** – Local-to-national green power delivery AND production; and
- **Modular roof energy/waste units** – Standardized “combo” building units for solar, wind, water, biomass, local power, etc. This method simply needs organization and mandates. Then millions of roofs will begin to seriously reduce our energy dependence, collect carbon and convert waste. ■