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To California Air Resources Board:
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Agenda regarding ways to improve energy and water efficiency and reduce GHG in California (and beyond) and claim leadership role in 21st century Thoughts of an environmental lawyer.

- 1) * City/County/State secure sufficient bonds to install photovoltaic (PV) systems to maximum extent practical on all practical government property, including parking lots, rooftops, roads, etc.
 - * Bonds paid through savings in future energy bills - avoided costs. No tax.
 - * Consider alternative/additional "funding" mechanisms, as necessary or as desirable, such as a third-party provider capitalizing the costs of, and servicing, PV systems.
 - * City/County/State would make a truly visible statement toward cleaner air; substantially reduce greenhouse gases (GHG); anticipate AB32 requirements to reduce GHG, get ahead of the curve, surpass state goals; create new jobs; reduce foreign oil dependency; take action before other agencies decide to take a similar route after which materials and labor become more scarce.
 - * Coordinate with City/County/State to move in same direction.
 - * Coordinate with CalTrans to install PV along freeway corridors.
 - * Encourage a race in residential installation of PV. Reward each block that becomes energy independent (e.g., where every resident has installed adequate PV) by placing that street at the top of the list for undergrounding of utilities or other suitable reward (e.g., repaving of street if in disrepair).

- 2) * If City/County/State want to inspire or require citizens to make changes to reduce GHG, government can and should show how.
 - * Regarding City of San Diego, and applicable to all other formal entries into other cities, make bayfront area between airport and convention center, including the Embarcadero, an area where people with suitcases, etc., can move comfortably and safely by electric transportation, such as a monorail/trolley/cable car between airport and bayfront hotels, attractions.
 - * Regarding City of San Diego, and applicable to all other formal entries into other cities, make area between airport and downtown a highly visible environmental showcase, where the "future" can be seen "now" and provide

inspiration. Most other city progress with GHG reduction is out of sight and mind of nearly all people. There is no apparent change underway. Promote our vision for a clean future.

* Require that all tall buildings downtown (at a minimum) equip their roofs with solar, wind turbines, to maximum extent practical and implement better energy efficiency requirements with their occupants.

* Require cruise ships to no longer burn fuel and pollute while at dock in idle.

* Tourism will increase with a new, bold environmental distinction.

- 3) * Change General Plans to create a vision where all new development pays its own way, environmentally speaking, by requiring "green" buildings, PV, water efficiencies, water capture, graywater reuse, light-colored roofs and pavement, etc., to the maximum extent practical.
 - * Ban wood burning stoves and fireplaces from new homes.
 - * Require new pools be fully solar powered.
 - * Change Municipal/County Ordinance or state law to require energy improvements at time of sale of all properties (to at least LEED Certified).
 - * Require larger buildings to install PVs at time of sale.
- 4) * At highest level of government possible, immediately implement a "no net new GHG" plan for all development presently under consideration. Allow offsite offsets.
 - * Change development requirements and mandate high energy efficiency for all new residential, commercial, and industrial development to maximum extent practical.
 - * Stop additional high-intensity development in areas that are already or will become clogged with traffic, which traffic increases fuel inefficiencies and pollution.
 - * Require all new development to cover its energy needs without fossil fuel by use of PV, wind, geothermal, etc., onsite or by arrangement with offsite provider.
 - * Effect change in state law that would permit trading of energy as described above.
- 5) * At highest level of government possible, immediately implement a "no net new water" plan for all development presently under consideration in Southern California, other arid/semi-arid areas, and all other water-limited areas. Allow offsite offsets.
 - * Maximize tertiary treatment of sewage for reuse (irrigation or drinking) or groundwater recharge.
 - * In dry, water-restricted areas, only allow drought-tolerant xeriscape. Allow grass only for parks and sports facilities.
 - * Change development requirements and limit landscaping options to that which can be supported under ordinary conditions by onsite graywater reuse.

- * Require graywater reuse for all new development to maximum extent practical (pay your own way concepts).
 - * Collect stormwater runoff from large paved areas for onsite/local irrigation purposes.
 - * Encourage water capture methods (cisterns, etc.) where practical.
 - * Require that drainage of pools be absorbed onsite.
- 6) * Extend life of existing landfills by improved recycling. Save money by avoiding having to build new landfills sooner.
- * Regarding recycling, cover broader spectrum of City/County/State (i.e., apartments, commercial events, etc.).
 - * Provide a means to recycle at public places (note lack of recycling options at Embarcadero, sports facilities, malls, events, etc.).
 - * Encourage better participation by refusing to pick up garbage if random check shows failure to recycle.
 - * Require all construction demolition to be recycled.
 - * Encourage/develop market to reuse recycled material.
- 7) * Encourage better use of bikes instead of cars for commuters.
- * To encourage maximum participation, emphasize improved bike lanes, isolated from the road, to connect the major residential areas to reasonably close, major employment areas. Example: Point Loma to downtown San Diego.
- 8) * Consider new contracting requirements, such as requiring parties that do business with the City/County/State/airport agencies to document their own efficiency/green measures (e.g., low-polluting, high-efficiency vehicles; carpooling; installation of PV; carbon offsets).
- * Consider requiring rental car agencies to rent vehicles that meet specified efficient fuel standards.
- 9) * Clear cut sufficiently wide fire-breaks through fire-prone areas to assist in controlling fires more quickly.
- * Allow greater clearing around homes in fire-prone areas to prevent loss of homes.
 - * Ban open fires.
 - * Ban bonfires around bays, etc.
- 10) Reserve fireworks for July 4th.
- 11) * Coordinate with Mexico to install pull features, similar to that at car washes, which can pull cars in neutral (without engines running) through border checks.
- * Use similar system at other similar and customary road checks elsewhere.

I welcome further discussion and involvement. John Reaves 10-2-07