

From: Dan Perkins <perkydanp@yahoo.com>
To: <docket@energy.state.ca.us>
Date: 8/8/2011 2:06 PM
Subject: Scoping Comments

DOCKET**09-RENEW EO-01**DATE Aug 08 2011RECD. Aug 08 2011

8/8/2011

Re: Public Input Wanted for California's
Largest Habitat Conservation Plan

Dear California Energy Commissioners and DRECP Affiliates,

First

we need energy efficiency and local urban generation in lieu of large renewable sites and power lines constructed in eco-sensitive areas.

Residential and commercial facilities can save as much as 40% of their energy by doing EE. Time of Use meters can have a huge impact on how much energy is being used and at what time it is being used.

On site generation using solar (thermal and electric), fuel cells as well as wind needs full deployment before considering new power lines that may become obsolete.

The
Effort:

Virtual

Net Metering (VNM) should allow for off site generation on rooftops or vacant land regardless of the proximity to the demand site. All with credit to the customer and RPS credit to the utilities. The REC's to be determined.

Feed

in Tariffs designed specifically for urban area renewables should be installed on appropriately zoned vacant land or on rooftops. It must be cost effective and may require subsidizing. Credit the utilities for the RPS. The REC's to be determined.

Time

of Use (TOU) meters will need a lot of public education. Designing TOU tariffs for demand response (DR) that can be an incentive for customers to implement DR. Subsidize education programs with penalties designed for DR failure.

Net

Zero buildings by 2020 will stabilize demand and will require stronger Title 24 guidelines.

Manufacturing

equipment can be improved with energy efficiency and new technologies such as nanotechnology as well as membranes used for filtering. Look at Art Rosenfeld's successful CFL project.

Fuel

cells using hydrogen as well as hydrogen production should be a California program regardless of the federal stand on this technology. Storage for intermittent renewable energy shortfall should also be on the front burner.

Financing:

The

Energy Efficient Mortgage (EEM) should be implemented at Time of Sale for all homes purchased including new construction, re: New Homes Solar Program.

HERS

Ratings need "action taken" not just another piece of paper of things to do in a drawer.

On

Bill Financing (OBF) should be available by all the Utilities with reasonable simple payback periods

Subsidizing/buying

down interest rates using Stimulus funds creating a positive cash flow or insuring loan loss is prudent.

Professional

Administrative Companies that understand how to manage the complex EE process,

financing, incentives, rebates and installations will be needed at both the residential and commercial levels. They can administer ratings/bench-markings; bids, cash flow, funding and rebate documentation that often overwhelms lenders and especially new property owners.

We are not being assertive in making all of the above happen. We need to do more than just talk about it. Stimulus funds can be used in many of these programs but will not come into play unless up-front financing is available. The EEM does that.

Dan Perkins VP - National Preservation PartnersBuild It Green Certified Fuel Cell
ConsultantBenchmarking - Retro-CommissioningETC (Energy Transaction
Coordinator)Dan@EnergySmartHomes.netwww.EnergySmartHomes.net760-315-2055