

**The Green Energy Newsletter,**

Written by Architects and Engineers - for Architects, Builders, Developers &amp; Real Estate Professionals.

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**WIND ENERGY:** Currently, a client in rural Oregon, who owns a windy butte is looking at installing a major sized wind generator on the mountain top, and selling power back to the grid. All of that sounds like fun, but what about a normal residential client who wants to look at wind generation? The fact is that small wind-electric systems can provide electricity not just on remote, off-grid sites, but also right in town connected to the utility grid. Local ordinances preventing wind generation are quickly being abolished in many jurisdictions, so be sure to check for local prohibitions. Wind systems do require more maintenance and attention than solar-electric or micro-hydro electric systems.



Unfortunately there are a lot of cheap systems on the market, which will break down after a year or two. But, if you do the due diligence research before investing in a system there is some great stuff on the market. Also, small-scale wind energy is not for the half-hearted, uninvolved, or uncommitted, and probably not for folks who never change the oil in their vehicles, or those who are not willing to spend the bucks to hire someone to do the tower work on their wind generator. But, for clients who are willing to do the homework before purchasing, designing, and installing a well-thought-out system and who are committed to maintaining the systems, or to hiring someone to do it regularly, this can be a great way to be “Green”. So, if you have a client who is into wind then go to one of my favorite info sources Home Power Magazine at <http://www.homepower.com/home/> where you can find excellent articles on Wind Energy:

- Estimating Wind Energy
- Wind Generator Tower Basics
- Wind-Electric Systems Simplified
- How To Buy a Wind-Electric System
- Wind Turbine Buyer’s Guide

**OUR IN HOUSE TITLE 24 EXPERT ACHIEVES 2008 RE-QUALIFICATIONS:** The new 2008 Title 24 becomes effective on August 1, 2009, and all Certified Energy Plans Examiners (CEPE) and Certified Energy Analysts (CEA), must re-qualify by re-examination, just to maintain their California Certification.

Accordingly, on April 24, Alan (our in house energy guru), has again successfully passed the Residential Exam and is now re-certified as a CEPE and CEA for the new 2009-2011 Residential Title 24. Alan will also take the separate exam given for Non-Residential (Commercial & High Rise), on June 5.

To put this re-exam in perspective, imagine for a moment what it would be like if Architects and Engineers had to re-qualify every three years with two separate exams (one for high rise and one for low rise).....Just

to stay licensed..... Each of these original qualifying Title 24 exams is 4 hours...., Luckily, in the re-exams they concentrate mostly on the current changes, but this re-qualifying process has been part of Title 24 for 30 years.

**YES, WE CAN:** So, again we are qualified to provide you with **Title 24 YOU CAN BELIEVE IN**

**HOME ENERGY AUDITS:** We make you look good. As part of our complete Title 24 services, Green Compliance Plus also offers Home Energy Audits. So, when your remodel client and says he wants to “GO GREEN” with his existing home, or just wants to reduce his energy bill, you can suggest this comprehensive audit which Alan provides as a California Certified Energy Analyst (CABEC).

During the audit and subsequent analysis, Alan looks at all aspects of HVAC, plumbing, domestic water heating and lighting then recommends a shopping list of upgrades and modifications including hydronics, radiant heat, solar and photo voltaics, which the client can pick and choose to can be incorporated into your remodel design. By using the certified expertise of Green Compliance Plus, your client knows that you are incorporating the latest energy efficiency measures. The effect of these various upgrade options can also be modeled using our Title 24 computer modeling.

We stay current with the leading edge of this changing technology. This week, we are modeling a San Francisco home for an Architect, which hopes to achieve Platinum LEED for existing homes with this project. So we are analyzing which LEED options provide the most improvement with Title 24 under both the 2005 and 2008 versions.

**REMEMBER WE DO TITLE 24 – One stop shopping.** If you have questions on any aspect of Green Energy, Sustainability, LEED, Green Point or HERS Ratings, or Title 24, give Alan (**415- 531-6172**) or Mark (**415 391-0186**) a call to discuss your needs. **We provide the best Title 24 service in California**, through the synergism of an Architect and an Energy Engineer working together to enhance your project.