



Comments for the Fifth Edition of the 2005
Emerging Renewables Program

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Dear Commissioners and Staff,

The Management at Appropriate Energy Inc., a manufacturer of small, low wind speed turbines wants wind to be included in the Performance Based Incentive (PBI) program. We feel that wind is currently unfairly discriminated against compared to the CEC support of all types of Solar Systems

STANDARD REBATES

A wind turbine that we produce that will generate about 20kW hours per day qualifies for the following rebates:

3000 (Generator Size) X .93 (Inverter Efficiency) X \$1.70 (Current Rebate) = \$4743 rebate and currently costs about \$24,000 installed

A photovoltaic System with about the same daily kW hour production could be composed of:

25 BP 3160 Solar Panels producing 142.1 watts for 6 hours per day at .94 Inverter Efficiency will get a rebate of \$2.80 per watt for = \$9350 rebate and will cost about \$33,558 to install.

SPECIAL FUNDING (the PBI programs)

The rebate programs should be in place to encourage RENEWABLE ENERGY PRODUCTION . The Special Funding incentive of .50 cents per kilowatt-hour for the first 3 years does just that.

It encourages manufacturers to produce products that maximize energy production from whatever source. It encourages buyers to buy the type of renewable energy system that gives them the most energy.

Currently, the Special Funding is only available for PV Solar. Well designed wind turbines will deliver substantially more energy for each dollar invested. by both the CEC and the buyers.

We at Appropriate Energy Inc. can accurately predict the amount of energy our turbines will produce on any given site and our turbines will effectively produce energy in about 80% of California. We can compete, given a level incentive field, throughout the state.

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