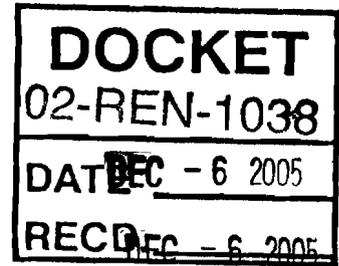


**From:** "Bruce Hatchett" <bruce@energyoptions-wind.com>  
**To:** <docket@energy.state.ca.us>  
**Date:** 12/6/2005 1:12:30 PM  
**Subject:** Comments on Dec 4th workshop



Dear CEC Commissioners,

I will be brief.

The CEC has made Solar a better choice than wind in almost all conditions. see my attached comparison. This has really hurt the emergence of Small Wind Power as an industry.

A potential wind power customer who has room for a wind system also has room for a tracking solar system.

Most potential customers will look at both, wind and solar.

The tracking solar system is a far better deal than a 10kW Bergey even in windy areas because the incentives are higher, especially the PBI incentive.

I think it is an obligation to allow Small Wind to compete with PV in windy areas.

Allowing Small Wind to use the PBI program closes much of the NET cost gap between Wind and Solar.

Please allow Small Wind to use the PBI incentive.

Bruce Hatchett

HYPERLINK

"mailto:bruce@energyoptions-wind.com"bruce@energyoptions-wind.com

(661) 209-7987

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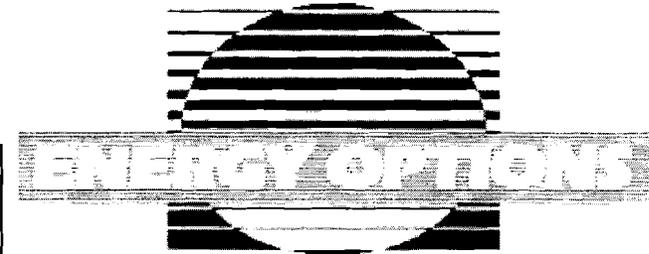
No virus found in this outgoing message.

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Version: 7.1.362 / Virus Database: 267.13.12/192 - Release Date:

12/5/2005

## Wind and Solar Comparison



	<b>\$/watt Rebate WIND 9,300 watt CEC rated 10kW on 80' GL Tower 15.6 mph at 2500 ft - 10% turbulence</b>	<b>\$/watt Rebate SOLAR PV 5,471 watts CEC rated 36 panels Pedestal mounted Tracking</b>	<b>PBI WIND 9,300 watt CEC rated 10kW on 80' GL Tower 15.6 mph at 2500 ft - 10% turbulence</b>	<b>PBI SOLAR PV 5,471 watts CEC rated 36 panels Pedestal mounted Tracking</b>
Cost of Equipment	\$ 41,000	\$ 37,443	\$ 41,000	\$ 37,443
PBI Equipment Installed			\$ 2,500	\$ 2,500
Contractor Installed	\$ 11,000	\$ 6,000	\$ 11,000	\$ 6,500
CUP Additional Costs	\$ 5,200	\$ -	\$ 5,200	\$ -
CEC Incentive	\$ 14,010	\$ 15,372	\$ 29,547	\$ 21,641
Fed Tax Credit		\$ 2,000		\$ 2,000
<b>Net cost</b>	<b>\$ 43,190</b>	<b>\$ 26,071</b>	<b>\$ 30,153</b>	<b>\$ 22,802</b>
kWhs per year	19,698	16,230	19,698	16,230
Rate	\$ 0.170	\$ 0.170	\$ 0.170	\$ 0.170
<b>\$/Year for energy</b>	<b>\$ 3,349</b>	<b>\$ 2,759</b>	<b>\$ 3,349</b>	<b>\$ 2,759</b>
<b>Property Tax LA County</b>	<b>\$ 508</b>	<b>\$ -</b>	<b>\$ 508</b>	<b>\$ -</b>
Avg maint over 10 yr period	\$ 150	\$ 150	\$ 150	\$ 150
<b>Annual benefit</b>	<b>\$ 2,690</b>	<b>\$ 2,609</b>	<b>\$ 2,690</b>	<b>\$ 2,609</b>
	<b>\$ 17,118</b>		<b>\$7,351</b>	
	<b>Difference in NET Cost</b>		<b>Difference in NET Cost</b>	

### NOTES

As Small Wind Power emerges the cost of equipment will go down. Like it already has gone down for solar.

As Small Wind power emerges LA County and others will lighten up on Wind Power permitting and the cost will go down.

### Net Cost

kWhs per year

\$ per year

If Small Wind Power is allowed to emerge then there will be more people to fight to reduce this property tax, which is presently based on the gross sale rather than the NET.

### About the same benefit

Allowing Wind to use the PBI incentive increases competitiveness against Solar PV. Without it, why would anyone buy Small Wind?

Analysis by Bruce Hatchett Dec 5, 2005

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