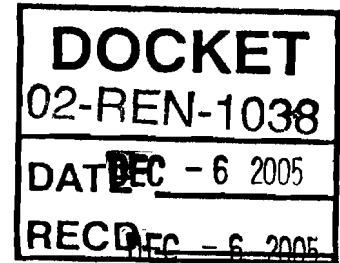


From: "Bruce Hatchett" <bruce@energyoptions-wind.com>
To: <docket@energy.state.ca.us>
Date: 12/6/2005 1:12:30 PM
Subject: Comments on Dec 4th workshop



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.

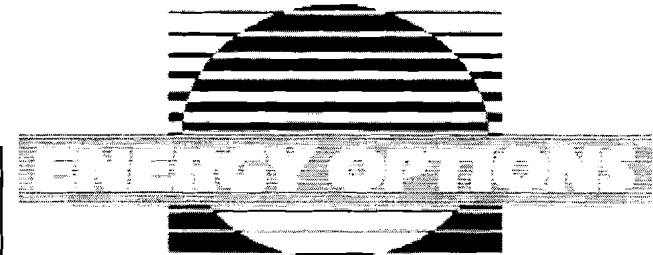
I think it is an obligation to allow Small Wind to compete with PV in windy areas.
Allowing Small Wind to use the PBI program closes much of the NET cost gap between Wind and Solar.
Please allow Small Wind to use the PBI incentive.

Bruce Hatchett
HYPERLINK
"mailto:bruce@energyoptions-wind.com"bruce@energyoptions-wind.com
(661) 209-7987

--

No virus found in this outgoing message.
Checked by AVG Free Edition.
Version: 7.1.362 / Virus Database: 267.13.12/192 - Release Date:
12/5/2005

Wind and Solar Comparison



	\$/watt Rebate WIND 9,300 watt CEC rated 10kW on 80' GL Tower 15.6 mph at 2500 ft - 10% turbulence	\$/watt Rebate SOLAR PV 5,471 watts CEC rated 36 panels Pedestal mounted Tracking	PBI WIND 9,300 watt CEC rated 10kW on 80' GL Tower 15.6 mph at 2500 ft - 10% turbulence	PBI SOLAR PV 5,471 watts CEC rated 36 panels Pedestal mounted Tracking
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
Net cost	\$ 43,190	\$ 26,071	\$ 30,153	\$ 22,802
kWhs per year	19,698	16,230	19,698	16,230
Rate	\$ 0.170	\$ 0.170	\$ 0.170	\$ 0.170
\$/Year for energy	\$ 3,349	\$ 2,759	\$ 3,349	\$ 2,759
Property Tax LA County	\$ 508	\$ -	\$ 508	\$ -
Avg maint over 10 yr period	\$ 150	\$ 150	\$ 150	\$ 150
Annual benefit	\$ 2,690	\$ 2,609	\$ 2,690	\$ 2,609
	\$ 17,118		\$7,351	
	Difference in		Difference in	
	NET Cost		NET Cost	

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

Energy Options, 10265 Haines Canyon Ave., Tujunga, CA 91042 Office (661) 209-7987 Fax (661) 793-6950