

**There are no comments posted to Open Comment for the November 21, 2024, Board Meeting. (nov2024opencomm) at this time.**

## **Comment 1 for Open Comment for the November 21, 2024, Board Meeting. (nov2024opencomm). (At Hearing)**

First Name: Richard

Last Name: Harkness

Email Address: harknessrk@gmail.com

Affiliation: remote solar advocates

Subject: remote solar: the idea and current status

Comment:

Hello, I'm Rich Harkness. I first spoke to you on June 27 to describe a potential new solar electric service I call remote-solar. I attached a whitepaper describing it in detail. I want to tell you I'm now in the process of becoming a party to CPUC's proceeding A2205022 dealing with a related concept called community solar. My objective is that CPUC, with the help of CARB, Cal Energy and CAISO, fully evaluate this concept and -if it makes sense as a win-win for both the environment and for consumer's wallets- tariff it. I hope each of you will have another look at it, and I would very much appreciate any feedback and advice about how to move it forward. Whitepaper is attached again below.

By way of background, I'm retired from doing strategic and new business planning at Stanford Research Institute, IBM and Boeing. I've written a book about global warming. Last year I wrote a paper showing that utility- scale solar is about 6 times more cost-effective than rooftop solar per unit of power produced. That fact isn't in the literature and I think very few know the difference is so large.

To take advantage of it I analyzed a scenario where homeowners could purchase solar panels and battery storage in utility-scale solar farms and export that energy into the grid to replace or offset the grid energy used at home. The homeowner would just pay for transmission and distribution. I called this "remote-solar".

It took about 6 months to get the data and construct a financial model but the results were dramatic. I estimated that a remote-solar system capable of generating as much power as the average California home uses each year would only cost about \$4200, payback in 3.3 years and have an ROI of about 30%. About half that \$4200 is for battery storage.

I suspect many folks would voluntarily invest some of their savings in something that gets a 30% ROI, so remote-solar could be a way to reduce electric bills while significantly and painlessly increasing the funding for solar.

I've read CARB's laudable and necessary Scoping Plan and believe if remote-solar were made available it would help meet the stated goals for renewable energy. Therefore I hope Board members will read the executive summary of my whitepaper, and ask their technical staff to study the entire document. If there are no fatal flaws in this concept, I hope CARB will encourage the CPUC to

develop a tariff for remote-solar and that CARB will consider running a pilot program to test remote-solar in the real world.

Attachment: [www.arb.ca.gov/lists/com-attach/1-nov2024opencomm-UDZWOVQ7VGYAalQL.docx](http://www.arb.ca.gov/lists/com-attach/1-nov2024opencomm-UDZWOVQ7VGYAalQL.docx)

Original File Name: Final Remote whitepaper copy 2.docx

Date and Time Comment Was Submitted: 2024-11-21 10:06:51

No Duplicates.

**Comment 2 for Open Comment for the November 21, 2024, Board Meeting.  
(nov2024opencomm). (At Hearing)**

First Name: Christian

Last Name: Torres

Email Address: christian@ccvhealth.org

Affiliation: Comite Civico del Valle

Subject: Clean Transportation Incentives Funding Plan

Comment:

Attachment: [www.arb.ca.gov/lists/com-attach/2-nov2024opencomm-WjldOAB3VloCdglS.pdf](http://www.arb.ca.gov/lists/com-attach/2-nov2024opencomm-WjldOAB3VloCdglS.pdf)

Original File Name: CCV RE- Clean Transportation Incentives Funding Plan - Comment Letter.pdf

Date and Time Comment Was Submitted: 2024-11-21 10:36:01

No Duplicates.