

Prop 39 Solar Project Update 4/2016

1. Comparable Bids

We now have *five* total bids, including *two each* (one bigger system, one smaller) from Sunlight and Power and Sungevity, in order to make a direct comparison. See Excel sheet: "solar bid compare rRev feb 2.xls". Our Energy Consultant, Ben Thompson, will attend the meeting to explain terms and answer questions, if needed.

2. Shorter-term Cost Comparisons

We also now have cost comparisons for these bids for 5, 10 and 15 years (not just 20 or 25). See Excel sheet: "solar - annual kWh and cumulative \$ savings.xls"

3. Solar System Reliability

Ben researched the reliability of photo-voltaic systems. He notes: "The module failure rate from defects is very low and usually occurs in the first couple of years. Failure rate from 'wear-out' is unknown because there is not enough data. Inverter failure is much higher and is somewhat predictable. After reviewing the available data, I have become pretty well convinced that an extended warranty on the modules may be a waste of money. But I'm a financial risk-taker by nature."

Regarding our existing NOCCS PV system, Ben reports: "It seems to have been working without problems since 2008. Annual power produced exceeds the predicted production."

4. Confirming Consent to Add New System from Existing Provider

Ben provided the following email exchange:

----- Forwarded message -----

From: **Ben Thompson** <ben@peraltaenergy.com>

Date: Fri, Jul 17, 2015 at 3:22 PM

Subject: Re: North Oakland Charter School: Planning parallel PV system

To: claudio@clearspotenergy.com

Cc: Ben Thompson <ben@peraltaenergy.com>, Melissa Hawkins <melissa.hawkins@noccs.org>

Great. Thanks.

On Fri, Jul 17, 2015 at 3:10 PM, Claude Leglise <claudio.leglise@gmail.com> wrote:

Hi Ben,

Thanks for the heads up. I don't have any concerns about your new installation. If anything I interpret it to mean that the school is happy with solar electricity.

Claude

Claude Leglise

Managing Director, ClearSpot Energy

m: [\(310\) 418-0163](tel:(310)418-0163)

On 7/17/15 2:53 PM, Ben Thompson wrote:

Hi Claude.

I want to give you a heads up that North Oakland Community Charter School (NOCCS) is planning to install a new PV system in parallel with the existing system that you own. The new system will not effect the capacity of the existing system and the school will continue to purchase the full capacity of the existing system per the terms of the original contract. The school will utilize state Prop 39 funds to purchase the new system outright, rather than enter into a second PPA. We are aware that we must not move, damage or shade any of the existing panels. Please let us know if you have any concerns or questions.

Best regards.

Ben Thompson

Energy Manager & Building Analyst