

**DOCKETED**

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*Comment Received From: Dr. Stephen Rosenblum  
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**Attention Qing Tian Wkshp on Grid Modernization 7212023**

*Additional submitted attachment is included below.*

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**Subject:** Attention Qing Tian Wkshp on Grid Modernization 7/21/2023  
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Dear Mr. Tian:

After listening to the workshop I was wondering why there was not more discussion of the point mentioned in passing, by Juan Castaneda, of the use of DC power transmission and interconnection as a possibility for grid modernization. DC transmission avoids the eddy current losses of AC transmission and with the use of modern semiconductor inverters, does not need to use the lossy iron core transformers that made AC transmission the 19<sup>th</sup> century power transmission method of choice. The 21<sup>st</sup> century grid needs to use more DC. I encourage the CEC to support the research and development effort needed to make this a practical reality.

I hope to hear more about the use of DC power in our future modern grid from CEC. Thank you for an excellent workshop.

Dr. Stephen Rosenblum, Ph.D. chemistry  
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