

DOCKETED

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*Comment Received From: Claire Ann Warshaw
Submitted On: 3/26/2020
Docket Number: 19-BSTD-03*

2020_03_26 19-BSTD-03 2022 Energy Code Pre-Rulemaking Presentations

Thursday, March 26, 2020

Dear California Energy Commission Building Standard Staff:

Today, was my introduction to your work on the TDV cost metric, which I understand means, "Time Dependent Variable." If I interpreted the beginning presentation bar graphics and discussion correctly, it seems that the TDV cost increases mostly because of transmission and distribution fixed costs, e.g., wires, poles, and other equipment. I think I also understood the cost of transmission differs, depending on time, and amount. I am not an expert on purchasing transmission, and know enough to maybe get this wrong. Looking at your data, it appeared TDV maybe ought to stand for "Transmission and Distribution Values." If I misinterpreted this, then please forgive me and ignore this first paragraph.

I understand that this TDV cost metric is applied to buildings, but with no connection to number of people per building. There was data shown which made it look as though small buildings had better cost metrics than larger buildings. If this paragraph reads true to your staff, maybe it would make sense to further evaluate your findings based on the number of occupants per building. Otherwise, without much thought, it appears smaller occupant buildings have better TDV cost metrics.

Your TDV data, seems mostly about the end building product. This became apparent with gas analyses and public comments asking about why source out of state gas source methane leakage was not accounted for. The data appears the result of normal, but unfortunately silo-d research. This is not bad or meant as an insult. However, it makes sense (to me) that the TDV data becomes more integrated, and other CEC departments become more involved in your department's data, using their constructive criticism.

About retrofits, versus new buildings: I understand when one has all kinds of wonderful new equipment it appears, perhaps from a salaried end, or hope to be salaried end "as in the case of the building construction industry" that it seems better to build from scratch than to retrofit. I am adding this so that your group is aware how scary that idea is for a greater population of lower income people. It might be prudent to mention goals of small retrofits, despite the obvious gains of new buildings. All of the TDV data today seemed about new building. It seems the last several seasons of wildfires probably caused California more bad emissions than any new building could attempt to eliminate. It might help to remind all of valuing what we have. Most of us, I believe, do not want to encourage arson so that there is available property. Sustainability in long term housing,

is probably well worth considering.

I am sorry if any of your staff has a difficult time allowing women to participate in your online meetings. It did appear that way today, when the host of at least one of the presentations un-muted me. It is possible my computer was not compliant with WebEX today. I am not sure where the issue lies. In addition, I noticed few to zero female participants. The host asked again later in the lectures for me to comment, but nearly as soon as he unmuted me and I spoke, the host immediately muted me again. This second try may have happened because of fast clicking and such from an efficient host. In the Design department at SMUD a few of us suffered from "click happiness," that is, clicking too fast. I am sharing because it seems possible to be rid of that condition if one is aware of it. Electricity can be stimulating and hard to let go of. I believe it affects us in ways that are not obvious sometimes. Some of them can be painful. I hope I am not a pain to deal with. Sorry, if that is the case.

Congratulations on handling an entirely remote meeting well for the first time (per stated). That is a large feat especially with the quality interactions and presentations you shared today. I cannot imagine it is easy to have all this fancy online organization either. Thank you. I genuinely hope you all are well and able to help you and your loved ones and homes stay happy, safe, well rested and healthy during this mean, non-lucrative virus syndrome and season.

Additional submitted attachment is included below.

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