

| <b>DOCKETED</b>         |  |
|-------------------------|--|
| <b>Docket Number:</b>   | 20-MISC-01   |
| <b>Project Title:</b>   | 2020 Miscellaneous Proceedings.  |
| <b>TN #:</b>            | 236631   |
| <b>Document Title:</b>  | Claire Ann Warshaw Comments - 2021_02_03-04_20-MISC-01_Docket Comment_Vehicle to Building (V2B) for Resilient Backup Power |
| <b>Description:</b>     | N/A  |
| <b>Filer:</b>           | System   |
| <b>Organization:</b>    | Claire Ann Warshaw   |
| <b>Submitter Role:</b>  | Public   |
| <b>Submission Date:</b> | 2/4/2021 9:48:14 AM  |
| <b>Docketed Date:</b>   | 2/4/2021   |

*Comment Received From: Claire Ann Warshaw*  
*Submitted On: 2/4/2021*  
*Docket Number: 20-MISC-01*

## **2021\_02\_03-04\_20-MISC-01\_Docket Comment\_Vehicle to Building (V2B) for Resilient Backup Power**

Thanks for sharing plans and concepts for Vehicle-to-Building (V2B, V2H, V2X) for Resilient Backup Power research. Overall the workshop seemed informative indicating what technologies and ideals exist amongst different stakeholders.

1. To those in charge of virtual meeting technology, I might guess you are aware that the ZOOM audio transcript does not reflect accurate representations, in many cases, of what the different speakers are stating. I encourage the California Energy Commission (CEC) to investigate how this happens. Perhaps speakers can edit their words in the audio transcript. Many substitute words had zero to do with the presentation's content. Science and California investment probably ought to be taken seriously if at all possible. Symbolism and comedy might entertain temporarily, but these entertainment types might distract listeners from wanting to take your hard work seriously. Words such as murder, Iraq war, death, tobacco smoke and Catholic were amongst the many screen shots gathered. I realize that some speakers have the problem of injecting subjective words and alternate concepts without an audio transcript, but this seems worse. (Please see the attached for examples.)

2. I agree with Jackie, near the conclusion of the meeting regarding the subject of being careful not to create mutual exclusion. It became apparent that there are two thought circles on where to put equipment. Though designed to solve design issues, this meeting might make building design seem more challenging. Design is hard enough. Hopefully consensus can be resolved quickly amongst V2B/V2H/V2X stakeholders.

3. I expect the news that Rivian has a pickup truck and SUV capable of powering a building for 6 days will attract attention. Residential electric trucks seem popular and lacking. Making that purchase and design easy for the "prosumer" and for building/utility design might be a good goal. Considering possible meter panel, service upgrades and transformer size changes to accommodate might be worth mentioning. Coordinating building design with attached large bidirectional devices appears complex. The "soft start" of the inverter seemed an important topic. On top of what was said there are clearances and other details to honor - if using local utility help.

For example: The Sacramento Municipal Utility District has a set of "Electric Service Requirements" (ESRs) on their website at <https://www.smud.org/en/Business-Solutions-and-Rebates/Design-and-Construction-Services>

At the moment, online, I see a Commercial Electric Vehicle Design ESR but not a Residential Electric Vehicle Design ESR. There is also a Residential Distributed

Screenshots to show examples of mis-matched ZOOM audio transcript which accompanied the January 25<sup>th</sup>, 2021 Vehicle to Building (V2B) for Resilient Backup Power Presentation:

- 1). "...Catholics cost...";
- 2). Audio in all caps;
- 3). "... the need for leveraging death cost ...";
- 4). "... to actually enable veto ...";
- 5). "... tobacco smoke can do that ...";
- 6). "... indicated without this murder. Murder requirements ... "

