

DOCKETED

Docket Number:	19-BSTD-03
Project Title:	2022 Energy Code Pre-Rulemaking
TN #:	235367
Document Title:	Steve Uhler Comments - BSTD-19-03 Watt density, zero carbon, and resource shuffling
Description:	N/A
Filer:	System
Organization:	Steve Uhler
Submitter Role:	Other Interested Person
Submission Date:	10/20/2020 8:15:24 PM
Docketed Date:	10/21/2020

Comment Received From: Steve Uhler
Submitted On: 10/20/2020
Docket Number: 19-BSTD-03

BSTD-19-03 Watt density, zero carbon, and resource shuffling

BSTD-19-03 Watt density, zero carbon, and resource shuffling

No regulation should allow increases in carbon dioxide produced to power systems in a all-electric home through resource shuffling, re SB100.

All-electric homes have to be capable of supporting the same energy density while not increasing the amount of carbon dioxide produced to power its systems that a fossil fuel powered home would produce.

The use of fossil fueled appliances will have advantages of simplicity and lower output of carbon dioxide production for many years to come.

Perhaps many of those who commented in a pro fashion for all-electric homes do not know current amount of carbon dioxide produced when powering all-electric homes verses using natural gas in the home. They may of overlooked power content labels their electricity utility is required to send them. Perhaps buyer's remorse is in their near future.

Some may remember "too cheap to meter" electricity sources that encouraged all-electric homes in the 1960's and 1970's. Many of those homes now cause more carbon dioxide to be produced than same vintage home that has natural gas to help in powering its energy needs.

Recent rolling blackouts and lack of immediate understanding of effective countermeasures point to a fundamental lack of knowledge of the electric system.

Watt densities could not be maintained as renewable energy output dropped. Diversity of the electric power system proved lacking on many levels, planning be the most significant.

Methods of planning are far from appropriate. The use batch and queue planning processes in a just in time demand environment must end. The models are not appropriate.

A threshold must be set to ensure that accumulated carbon dioxide produced by powering all-electric homes does not extend time to meet goals for reducing the effects of climate change.

Current methods of requiring all-electric homes are only "feel good" when results are considered.

The laws produced by legislative process do not change laws of physics.

Steve Uhler
sau@wwmpd.com