

**DOCKETED**

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## **2018\_11\_10 Responding to CEC Blogpost, one week ago, on Linked IN - EE irrigation concepts**

Writing from the perspective of a small yard resident, who likes to garden:

Old style residential sprinkler systems take extra knowledge to finagle. When there is plenty of California water, a good irrigation system can save crunched time for a working resident. I am guessing that is why the CEC staff cite that residential irrigators impact peak load mostly.

Knowing my own mid aged situation, I would be skeptical about the staff projections sprinkler spray body replacement sales to California residents. The reasons being: 1. California climate has not been status quo; 2. California incomes might tend to drop off after years of owning a home due to age/retirement/job loss issues; 3. I would never assume that our Californians are prone to maintaining their backyards well. I saw an extreme range in backyard maintenance styles, from fielding many backyards for work. (Many homes are serviced from backyard utility poles); 4. People seem to tend to get lazier and/or more prone to not want to do more physical work due to various muscle limitations and awareness of time constraints as they get older.

It seems the simpler, the more user friendly, the cheaper, the kinder for the resident. I do not think most residents want to have maintenance sprinkler "homework"â€¦.

Comparing California residents to many other states, can be misleading in the sense that California has been prone to drought times. California has been referred to as a desert by some long ago. There are big regions that completely rely upon piped in water.

Rock and xerophytic plants and cactus gardens can be attractive.

Despite all that, I see the benefits of the proposed standard to more perfect sprinkler spray body water pressures. There are some people who will continue to work in irrigation installation and maintenance. I might be grateful for that if it rains again in any significant way in this state.

I have been experimenting with drip systems for my small townhouse backyard. Even those can be a bit of a mess to handle. I am enjoying a simple drip attach to the end of the hose drip system lately. I also dug part of my sprinkler system so that its pipe network is somewhat visible in a swale, thinking it could be beneficial to see so that I do not dig into irrigation pipe while gardening. .

I would ask that the CEC somehow encourage research and use of grey water systems, especially in California. Plants use a lot of water, some large trees up to many gallons of day and some plant leaves contribute heavily to atmospheric water vapor according to some recent reads. I do not encourage human waste/sewage to be used for grey water irrigation, but might guess waste water from the washer and shower could be utilized in residential backyard small spaces. Using

selective grey water for backyard irrigation also may help our California residents realize how to use environmentally safer soaps and care products.