



## **Filing Receipt**

**Filing Date - 2024-06-13 04:35:23 PM**

**Control Number - 56517**

**Item Number - 29**



The data i provided was to show 2 things...

- 1) Implementation of a low cost controlling device onto any electric hot water heater.
- 2) My houses energy consumption and production

My end game is wanting the public utility commission to get a leg up on guarding the people from retail and wholesale electricity providers from price gouging them due to lack of usage. Controller devices for hot water tanks are nearly ALL RETROFITTABLE to every tank currently in the country.

Personally, my hot water tank will heat 46 gallons of hot water in 1 hour. My hot water heater is attached with said controlling device, i have it programmed to come on 30 mins in the morning prior to me waking up for my day, and i have hot water for my personal necessity. My tank will again come on for 30 mins before the sun goes down so as not to drain the grid, or my batteries. All in all, my hot water tank is offline for 23 hours a day! I have round the clock access to hot water! Even with me coming home at 2-3 am with my hot water tank having been off for almost 10 hrs the tank maintains 122 degree hot water.

I also added a \$30 insulation blanket which is a fitted piece of insulation that goes over the top and down the side sealed in the middle with a singular piece of tape... another self install. The insulation blanket i tested in 0 degree weather. With my heater tank off and it 0 degrees outside my unit maintained a temperature of 122 for 4 hours.

The controlling device is \$160 on Amazon and the insulation blanket was \$30 from home depot, both easy self-installs. It doesn't matter what brand of controlling device gets installed to each individual hot water tank, just that one gets installed.

Americans spend \$32 BILLION a year heating water... let's break that down to texas only... that's \$652



Americans spend \$32 BILLION a year heating water... let's break that down to Texas only... that's \$653 million being given to retail electric companies rather than staying in the pockets of Texas's electric consumers... think about it for a moment... EVERY electric hot water heater is wired into the grid. But i do not need hot water when i'm working, i don't need it while i am asleep. That's 16-20 hours a day, per home, that is exhausting electricity WE as a society don't need to be burning!

By my calculations from the data I've collected and shared in that group, my personal usage is 2kwh per day, a little more if i take a bath on the weekend. My neighbors usage exceeds 20-30 kwh per day, that's 140-210 kwh per week, and 560-840 kwh per month. This is money and energy than need not be exhausted as people will be able to control their hot water tanks with their cell phones, JUST LIKE THEY DO WITH THEIR A/C in some cases. 560-840 kwh per month is the equivalent to about \$100+ dollars less per household.

Wide ranging rules and laws need to be getting upgraded to where consumers are more incentivized to have automated a/c, as well as hot water heater controller technology, especially those who rent! With automated A/C AND Hot water controller tech combined is 60% of EVERYONE'S electricity usage every month and with the simple installation of any of these 2 types of devices would significantly reduce not just Texas's electric consumption but the entire worlds!

To sum up my end game is wanting to help the people! Not to have this data given to other companies and corporations before the PUC can design electric law to protect the people! Lack of consumption should not yield a higher bill...



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Sincerely,

Timothy Gore  
US ARMY VETERAN

PS

My idea if implemented correctly would also give net metering a greater effect!