

Jacob Veaughn

From: Jacob Veaughn on behalf of Records Clerk
Sent: Tuesday, January 12, 2021 11:34 AM
To: 'getchaj@msn.com'
Cc: Consumer Contact
Subject: RE: Docket No. 20200181; Modernize Florida's outdated efficiency practices

Good Morning, Andy Getch

We will be placing your comments below in consumer correspondence in Docket No. 20200181 and forwarding your comments to the Office of Consumer Assistance and Outreach.

Jacob Veaughn
Commission Deputy Clerk I
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-----Original Message-----

From: getchaj@everyactioncustom.com <getchaj@everyactioncustom.com>
Sent: Tuesday, January 12, 2021 10:47 AM
To: Records Clerk <CLERK@PSC.STATE.FL.US>
Subject: Docket No. 20200181; Modernize Florida's outdated efficiency practices

Dear Florida PSC Commissioners,

Please consider updating methodologies to evaluate how Florida utilities efficiently expand and maintain energy creation and distribution, and their effects on the rates Florida customers pay for that expansion and maintenance of energy creating infrastructure. Energy efficiency means using energy smarter. Energy efficiency reduces pollution, makes the best use of existing infrastructure and saves customers money.

My understanding is that the practices the PSC relies upon in setting goals for the state's largest utilities haven't been modernized in almost 30 years. 30 years ago renewable energy technologies were far inferior compared to today. The effects of pollution (in part from energy creation) were certainly prevalent and Florida has much tremendous progress towards cleaner energy. However the effects of global warming were less noticeable. I wonder if demand management technologies have advanced as home electronics efficiency and internet capacity (from dial-up modem to broadband) and connectivity (smart appliances and thermostats) have. Rooftop solar has become affordable and many times more efficient compared to the early 1990's. I am a FPL residential customer. Based on my experiences, I wonder if Florida energy utilities could do more and better to improve energy efficiency and then to relay that improved efficiency (in the form of further cost savings) to Florida's families and businesses.

Please update the economic screening practices so they no longer penalize efficiency measures that meaningfully reduce energy waste for homes or businesses. In 2018 we installed solar panels at our residence. In 2019 we switched from the standard rate to a time-of-use rate. In 2020 our family has had a greatly reduced income and as a result I have become more keenly aware of household expenses, and potential for savings, such as in the power bill.

However, the FPL rate structure has no apparent incentive to reduce peak hour demand. Our January 7 bill indicates a use over 1000 kWh charge that is approximately 25% more than the use less than 1000 kWh charge. The non-fuel energy charge is over 200% more than the fuel charge for both less than and over 1000 kWh. However, the optional residential time-of-use rider modifies the rate net cost to a non-fuel energy charge that during peak is 500% more than the non-fuel charge during off-peak. Meanwhile, the residential time-of-use rider fuel charge during peak is less than 25% more than the off-peak charge. I analyzed our historical household electricity use with and without solar panels and found that (without changes) a time-of-use rate would increase our electric bill by 20% per year compared with the standard rate. However, with our solar panels, use of major appliances and air conditioning during peak and doing laundry and charging our electric vehicles during off-peak we were able to use zero net peak kWh from April through December 2020 bills and in fact ended up with a reserve of 224 peak kWh for which we received a \$3.44 credit on our December bill (compared to over \$46 we would have been charged for using 224 peak kWh and over \$9 for 224 off-peak kWh hours). I am not aware of any solar or peak reduction incentives from FPL even though our efforts substantially reduced overall summer peak demand on the grid and power plants. It actually cost us more, admittedly a small amount and in accordance with the required net meter agreement, for too much shifting from peak to off-peak. Our power bill savings from solar only offset their capital costs. Isn't the whole idea of an efficiency program, to reduce energy use during peak times to meet demand and help customers lower power bills?

Please bring the rule making process into the 21st century and consider ways to guide utilities to incentivize reduced peak demand, do more on efficiency, and consider low-income customers. Thank you for your consideration of these comments.

Sincerely,
Andy Getch
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