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2020_01_14 Appreciation of cyber question by Commissioner Douglas, plus

Thanks for the informative meeting today. I especially appreciated Commissioner Douglas asking about device cyber security. I feel as though few know how much interference there can be out there, until they get really hacked. From my perspective, it seems possible that some devices can be hacked with and within it internet service. At SMUD, from my fielding experiences, I noticed laser devices used to measure pole heights had inconsistencies which I could not explain. The biggest cue would be a value far from normal; in that case, I would remeasure until it seemed I had consistent results.

I also believe that device technical specifications can be unreliable, in terms of defending safety. At UCD hospital gift store, while cashiering, the laser bar code scanners were pointed towards the cashier shoulders. Oddly, I developed a large bump at this area after working there. OSHA left the case to UCD Health, whom I also reported the problem to. UCD health cited device specifications as their defense. This seems illogical if devices can be hacked or surged with electricity. Lasers are used for cauterization in surgery, btw.

Also, I might guess the Toyota Prius 2010, which I sold about 8 months ago also had a cyber software problem, ultimately causing some expensive usual vehicle disability. I think that vehicle was hacked, though have no proof, like most potential cyber problems. It had great gas mileage, not a plug in or ev.

Software issues are huge these days. I cannot blame SMUD for wanting in-house development instead of small business suggestions after working with LDPro. However, SMUD did learn how to work with that company. It was not easy from many a designer perspective. Fortunately, we had a patient, professional and pretty coordinator, Ms. Doris Gzuelow (pardon any mis-spelling) to work with Itron software engineers.

I also appreciated the potential low cost, less device aspects of the radio wave changing water heater parameters. However, I hope the California Energy Commission checks if the higher energy wave described is safe, if that wave passes through a human, through the air and through other more biological creatures. I imagine this idea has great potential, but realize our fantastic engineers hardly live to study their products human health, environmental, ethic and cyber longer term problems. Maybe the CECâ€™s appliance hotline can accommodate consumer calls for these problems.

The water bank load management research looks very promising, though look out for farmer and real estate issues. I saw a video about farmers moving in, putting a straw to those and selling their water to distant people, etc.

I think the meeting had a couple of infomercial speakers and at least one participant who commented excessively. Commissioner McAllister and Karen Herter, (I hope I have her name

right), PhDs, handled it all well, but I am not sure a timer and comment limit might not make sense. Maybe if they did not let that happen, California would not have learned about Washingtonâ€™s new law regarding installation of the port on the it water heaters. Good to learn about. Maybe that will be great progress for more audience easy adoption.