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Dear Public Utilities Commission of Ohio, President, agents, officers, employees, contractors and interested parties of the Public Utilities Commission of Ohio,

This is a Letter of Comment regarding Case File 14-1160-EL-UNC and any other Case Files that are associated with Wireless Utility Meters.

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There are over 2000 research studies, medical letters from doctors, public comments and other documentation from across the United States which are directly related to the above mentioned cases as well as the below mentioned cases which document the violations and dangers of wireless utility meters.

I see that Duke Energy and the Utility Commission of Ohio is trying to charge people not only for replacing their wireless "smart" meters with analog meters but also for monthly reading fees. I find this offensive!

First of all, I would like it to be noted that my family's health suffered tremendously after the wireless "smart" meters were installed on our home. This created a serious physical, emotional, and financial burden for us! I have reported this in great detail already in my state and since your state is participating in supporting the same utility companies, it is my duty to participate with others to stop this unethical atrocity!

I have some things that I would like you to consider regarding the fees and dangerous wireless utility meters that Duke Energy is trying to implement:

1. Wireless Meters and Smart Meters have been labeled a Class 2b Carcinogen by the World Health Organization. It is not legal to experiment upon and cause health ailments and death to the population utilizing a consumer driven utility company, let alone extorting fees from customers who wish to protect their rights to privacy freedom, and health.
2. If Duke and its other associated utility entities insist on having an official reading done by a meter reader, why does it have to be done every month? When Duke still employed meter readers and we weren't home to let them in, they estimated the bill until the next time we were home to let them in. Why can't they just leave a card for us to call in the numbers ourselves?
3. In many areas, it is not mandatory that a meter reader make an official reading for 6 months. It shouldn't be necessary for a meter reader to make a visit every month especially for customers in good standing.
4. In many areas, customers are allowed to take pictures of their meters and send them directly to the utility companies by email. Have you thought of this?
5. Pictures can be taken of the meter on the required "Read Date" and the camera used would have the date stamp as well as the ID of the meter. These could be faxed or mailed in! Has Duke Energy considered creating an "app" for people who have cellular phones to take pictures of their meters to submit directly to the company? They could create one with a time stamp so that the date on the picture would be verified. Customers' meter identification numbers could also be on the submitted picture so fraud would not be possible. Send everyone a sticker if these ID numbers aren't easy to read - like what the BMV does for license plates. There are apps for cell phones which take pictures of checks so that money can be withdrawn immediately from a bank without a personal visit. Why not an app for a meter reading? People who don't have the capability to take and submit these pictures could have it done by neighbors, friends, family or social workers and Duke Energy would not have to hire meter readers at all.
6. Last but certainly not least (which was briefly mentioned above): There are countless research studies that have been done regarding the adverse health effects of wireless or "smart" meters:

"...the exposure to microwave and radiowave radiation from these (smart) meters is involuntary and continuous. The transmitting meters may not even comply with Federal Communications Commission (FCC) "safety" standards (see <http://sagereports.com/smart-meter-rf/>). However, those standards were initially designed to protect an average male from tissue heating (cooking) during a brief exposure. These standards were not designed to protect a diverse population from the non-thermal effects of continuous exposure to microwave and radiowave radiation. Therefore, these "safety" standards were not designed to protect the public from health problems under the circumstances which the meters are being used. The American

Academy of Environmental Medicine has called for a moratorium on the installation of transmitting utility meters on the basis that:

"Chronic exposure to wireless radiofrequency radiation is a preventable environmental hazard that is sufficiently well documented to warrant immediate preventative public health action."

These harmful wireless meters have been forced on us by the utility companies and this is creating a financial hardship for all of us who have been or are becoming sick. Now the utility companies want to charge customers fees to protect ourselves from these wireless "smart" meters?

The people who can afford these fees shouldn't be expected to pay them. And the government shouldn't be expected to pay these fees for an ever increasing population of people who won't be able to afford this but want to protect themselves. The government is already paying the medical bills for people receiving assistance who have been sickened by the wireless "smart" meters. The only ones who don't seem to be losing money in this wireless "smart" meter venture are the utility companies.

The Energy Policy Act of 2005, Section 1252, "smart meters", states that electric utilities shall provide such meters to those customers who request them. Therefore, people should have to "opt in". We should not have to "opt out". <http://www.gpo.gov/fdsys/pkg/PLAW-109publ58/html/PLAW-109publ58.htm>

I know that millions of us have filed complaints regarding these dangerous wireless utility meters and they are falling on deaf ears! We have suffered adverse health reactions, and many now have cancer or have died from strokes or heart attacks because of the accumulation of exposure to the constant radiation emitted from these "wireless" meters.

There is plenty of documentation that confirms these complaints have been submitted to both the utility companies and the State PSC's over and over again! We shouldn't have to pay additional money, let alone hire attorneys to protect ourselves against these monopolies and the environmental hazards they are causing!

These wireless meters are not federally mandated, and none of us chose to "opt-in" to having our families, homes, businesses, and the environment microwaved constantly!

I am asking you to read and review in detail the complaints and medical documentation filed in these Case Files:

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*Kentucky PSC: Case Files 2012-00428, 2016-00394, 2016-00187, 2016-00152, 2016-00370

*Ohio PSC: Case File 14-1160-EL-UNC, Case MMA11131500

*North Carolina PSC: Case File Docket No. E-7 Sub 1115 (Note: This was originally Case File Docket No. E-100, SUB 141)

^{2017-19-E}
*South Carolina PSC: Docket 2017-19-~~8~~^E, Docket No. 2013-59-E, Docket No. 2016-366-E, Docket No. 2016-354-E

*Florida PSC: Case File Docket No. 130223

I am also enclosing this CD with more documentation which I wish to have filed under the public comments as well as any other complaints (regarding wireless utility meters) that I am legally allowed to participate in.

Thank you for your consideration and attention to this serious matter,

Sincerely,

Lisa M. Meserve

Name: Lisa M. Meserve

Address, City, and State: 1270 Craig Ave. Lancaster, SC 29720

County: Lancaster

Today's Date: 2/7/17



3 February 2017

Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215-3793

Re: Case File 14-1160-EL-UNC; Case MMAI11131500 and all Utility Company Case Files regarding Wireless Utility Meters (ie., AMI, AMR, AMS, ERT, Wireless, Smart Meters, etc.)

Dear Public Utilities Commission of Ohio; All Electric, Gas and Water Utility Companies; President; Agents; Officers; Employees; Contractors and Interested Parties:

We, the undersigned, are scientists and health professionals who together have co-authored many peer-reviewed studies on the health effects of radiofrequency radiation (RFR). We are aware that the Public Utilities Commission of Ohio is considering a proposed smart meter opt-out fee from Duke Energy. Smart meters, along with other wireless devices, have created significant public health problems caused by the radiofrequency radiation (RFR) they produce, and awareness and reported problems continue to grow. With Duke Energy being America's largest utility provider and, consequently, having the largest potential smart meter implementation reach, it is imperative that the Public Utilities Commission of Ohio be fully aware of the harm that RFR can cause and allow utility customers to opt out of smart meter installation with no penalty.

The majority of the scientific literature related to RFR stems from cell phone studies. There is strong evidence that people who use a cell phone held directly to their ear for more than ten years are at significantly increased risk of developing gliomas of the brain and acoustic neuromas of the auditory nerve. There is also evidence that the risk of developing these cancers is greater in younger than older people. The May 2016 report from the US National Toxicology Program showing that rats exposed to cell phone radiation for nine hours per day over their life-span develop gliomas of the brain and Schwannoma of the heart (the same kind of cancer as acoustic neuroma) adds proof to the conclusions from the human health studies that radiofrequency radiation increases risk of cancer.

Smart meters and cell phones occupy similar frequency bands of the electromagnetic spectrum, meaning that cell phone research directly applies to smart meter RFR. Smart meter RFR consists of frequent, very intense but very brief pulses throughout the day. Because smart meter exposure over a 24 hour period can be very prolonged (pulses can average 9,600 times a day), and because there is building evidence that the sharp, high intensity pulses are particularly harmful, the cell phone study findings are applicable when discussing adverse health impacts from smart meters.

While the strongest evidence for hazards coming from RFR is for cancer, there is a growing body of evidence that some people develop a condition called electro-hypersensitivity (EHS). These individuals respond to being in the presence of RFR with a variety of symptoms, including headache, fatigue, memory loss, ringing in the ears, "brain fog" and burning, tingling and itchy skin. Some reports indicate that up to three percent of the population may develop these symptoms, and that exposure to smart meters is a trigger for development of EHS.

In short:

- Smart meters operate with much more frequent pulses than do cell phones, increasing the potential for adverse health impacts.
- Smart meter pulses can average 9,600 times a day, and up to 190,000 signals a day. Cell phones only pulse when they are on.
- Cell phone RFR is concentrated, affecting the head or the area where the phone stored, whereas smart meter RFR affects the entire body.
- An individual can choose whether or not to use a cell phone and for what period of time. When smart meters are placed on a home the occupants have no option but to be continuously exposed to RFR.

The Public Utilities Commission should not be relying on industry representatives for assistance, due to their obvious conflict of interest. Too often they rely on biased research and hold opinions that are not consistent with medical evidence. The symptoms and illnesses experienced from wireless utility meters are related to length and accumulation of exposure and therefore not everyone will exhibit symptoms immediately. In addition, as with many other diseases, not everyone is equally susceptible. There are a number of double-blind studies which clearly show that some people with EHS will develop symptoms when exposure to RFR is studied in a double blinded experimental protocol, in which the subject do not know whether or not the RFR is being applied. These individual are not suffering from a psychosomatic disease, but rather one that is induced by the exposure to RFR. Public health agencies that label these symptoms as being only psychosomatic are ignoring this evidence and are not working to ensure fair treatment of and protection of the public.

The adverse health impacts of low intensity RFR are real, significant and for some people debilitating. We want to stress three fundamentals as your agency proceeds to consider a smart meter opt-out:

- The Federal Communication Commission's safety standards do not apply to low intensity RFR.
- There is no safe level of exposure established for RFR.
- People around the world are suffering from low intensity RFR exposure, being at increased risk of developing both cancer and EHS.

Citizens rely on their government agencies for protection from harm. Accordingly, we urge the Public Utilities Commission of Ohio to reject any fees or tariffs associated with smart meter opt-out and allow citizens to opt out without penalty.

Thank you for your attention and consideration. What you do in this instance affects the lives of many in Ohio and beyond.

Yours sincerely,

A handwritten signature in black ink, appearing to read "David O. Carpenter". The signature is fluid and cursive, with a long horizontal stroke at the end.

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