

Secretary Rosemary Chiavetta
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg PA 17120

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2018 NOV 13 AM 10:47
PA PUC
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Reply to Objection: Evelyn D. Dreher v. Metropolitan Edison Company
Docket No. C-2018-3005217

Dear Secretary Chiavetta,

I am in receipt of a legal document dated October 29th 2018 from Lauren M. Lepkoski, Attorney for First Energy that requires a response within 10 days. Please note that this document was received on Saturday November 3rd 2018. Also, take note that I looked up 52 Pa. Code 5.101 and it states that I have twenty (20) days to respond.

In regard to the preliminary objection set forth by the legal team for (First Energy) Met Ed, I, Evelyn D. Dreher residing at 31 Crown Point Drive, East Stroudsburg PA 18302 (service location) have stated that I do not wish to have a radiation emitting smart meter installed upon my home. The first letter I received from Met Ed was delivered in mid August 2018 and cited Act 129. It stated that according to Act 129 installation of the smart meter was mandatory. I really didn't give it much thought until my son mentioned over the Labor Day weekend that a smart meter had been installed upon his home and both he and his wife were getting headaches and were unable to sleep at night since its installation. I was up until 3am on Labor Day researching smart meters and I wasn't happy with the information I found.

Response

1 In researching Act 129, which Met Ed refers to in their initial letter, I found out that Act 129 began as HR2200, which I believe was an opt-in program. I went to the Pa. government website and searched the public records and found HR2200 which shows the way the bill was originally worded. It passed through the House and the Senate with this same original wording. HB2200-Section 2807(f)7(2):

Electric distribution companies shall furnish smart meter technology as follows:
(i) Upon request from a customer that agrees to pay the cost of the smart meter at the time of the request.
(ii) In new building construction.
(iii) In accordance with a depreciation schedule not to exceed 15 years.

Health Problems

2 As stated in my formal complaint, I have not requested a smart meter for health and safety reasons. Attorney Lepkoski states in her objection that I offered no proof regarding my concerns about health effects and safety issues. (Page 8 no. 21)

3 The American Academy of Environmental Medicine, a respected group of physicians and scientists, has called for a moratorium on smart meters until more research can be done regarding their safety. Please see the letter dated October 23, 2013 and submitted as Exhibit A.



American Academy of Environmental Medicine

6505 E Central • Ste 296 • Wichita, KS 67206

Tel: (316) 684-5500 • Fax: (316) 684-5709

www.aaemonline.org

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Wireless Smart Meter Case Studies

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18015 Oak St Ste B
Omaha, NE 68130

Founded in 1965 as a non-profit medical association, the American Academy of Environmental Medicine (AAEM) is an international organization of physician and scientists interested in the complex relationship between the environment and health.

AAEM physicians and physicians world-wide are treating patients who report adverse, debilitating health effects following the installation of smart meters, which emit electromagnetic frequencies (EMF) and radiofrequencies (RF).

The peer reviewed, scientific literature demonstrates the correlation between EMF/RF exposure and neurological, cardiac, and pulmonary disease as well as reproductive disorders, immune dysfunction, cancer and other health conditions. The evidence is irrefutable. Despite this research, claims have been made that studies correlating smart meter emissions with adverse health effects do not exist.

The AAEM has received a case series submitted by Dr. Federica Lamech, MBBS, *Self-Reporting of Symptom Development from Exposure to Wireless Smart Meters' Radiofrequency Fields in Victoria*. AAEM supports this research. It is a well documented 92 case series that is scientifically valid. It clearly demonstrates adverse health effects in the human population from smart meter emissions.

The symptoms reported in this case series closely correlate not only with the clinical findings of environmental physicians, but also with the scientific literature. Many of the symptoms reported including fatigue, headaches, heart palpitations, dizziness and other symptoms have been shown to be triggered by electromagnetic field exposure under double blind, placebo controlled conditions. Symptoms in this case series also correlate with the Austrian Medical Association's Guidelines for the Diagnosis and Treatment of EMF Related Health Problems.

It is critically important to note that the data in this case series indicates that the "vast majority of cases" were not electromagnetically hypersensitive until *after* installation of smart meters. Dr. Lamech concludes that smart meters "may have unique characteristics that lower people's threshold for symptom development".

This research is the first of its kind, clearly demonstrating the correlation between smart meters and adverse health effects.

Based on the findings of this case series, AAEM calls for:

- Further research regarding smart meter health effects
- Accommodation for health considerations regarding smart meters.
- Avoidance of smart meter EMF/RF emissions based on health considerations, including the option to maintain analog meters.
- A moratorium on smart meters and implementation of safer technology
- Physicians and health care providers to consider the role of EMF and RF in the disease process, diagnosis and treatment of patients.

Passed by the Board of Directors of the American Academy of Environmental Medicine October 23, 2013

Please note: Smart Meter case series research to be released upon publication

Exhibit
A

4 I also visited OSHA's website and found several articles regarding microwave radiofrequency biological effects in humans. I'll put the link here if you want to read the articles. I believe you should as they help explain the reasons why I am opposed to having this meter installed on my home. One important article reports that the World Health Organization and the International Agency for the Research on Cancer has classified RF Radiation as a class 2B carcinogen.

www.osha.gov/SLTC/radiofrequencyradiation/healtheffects.html

And finally, you can look up a report by Dr. Paul Dart, MD FCA. Dr. Dart and five other doctors put together a 74 page report on non-thermal effects of RF exposure. Please search: Biological and Health Effects of Microwave Radiofrequency Transmissions dated June 4, 2013.

5 Met Ed coaches their employees to ask questions like, "Do you have a cell phone?" and "Do you have a microwave?" They insist that these items emit more radiation than a smart meter. However, exposure to these forms of radiation is very limited. Microwaves are turned off 99.9% of the time and cell phones can be put on airplane mode or used on speaker to decrease exposure. We cannot turn off a smart meter that emits radiation every fifteen seconds in millisecond bursts 24 hours a day, seven days a week. Why should I, or anyone for that matter, agree to a smart meter installation only to develop symptoms once it's installed? That's like Met Ed coming to my home with a bottle of poison in hand and telling me that it's okay to drink it, it won't harm me. Am I to take their word over my common sense? Just because Met Ed says smart meters are safe does not make it factual. Peer reviews state otherwise.

6 Met Ed's website has a radio frequency fact sheet that assures the public that smart meters are less dangerous than cell phones, micro wave ovens and baby monitors and/or any other type of electronic device we have in our homes. However, they do not mention that the radiation from a smart meter differs from a cell phone in that smart meters emit between 9,600 and 190,000 pulses of high frequency radiation in one 24-hour period. Please type link below into your search bar to find BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA where CPUC was directed by a court to file clarifying radio frequency information. <http://docs.cpuc.ca.gov/efile/RESP/149398.pdf>

Please see report by Professor Emeritus Martin L. Pall, a biochemist with 8 international awards, who writes about dangers of electromagnetic fields and where this is all leading to.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/icmm.12088>

The power companies, in collaboration with the utilities commissions, are unleashing unknown hazards upon the American people that are destroying our health. I'm not going to be around for much longer, maybe twenty years if the good Lord allows, but my children and my grandchildren will be. And so will yours. You won't escape the effects either nor will your children and grandchildren.

Please see Exhibit B for Met Ed's Fact sheet, which I believe is a misrepresentation since the studies that they allude to are outdated. Current FCC standards are based on tissue heating effects only whereas recent research has revealed cellular, genetic, and hormonal disruptions from RF exposure. Please see the 68 page Sage Report. <http://sagereports.com/>

Smart Meter

RADIO FREQUENCY FACT SHEET



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FirstEnergy's Pennsylvania utilities – Met-Ed, Penelec, Penn Power and West Penn Power – are starting to roll out new smart meter technology to homes and businesses throughout our service areas. This effort is in response to Pennsylvania Act 129, which requires all large electric utilities in Pennsylvania to install smart meters.

This step toward a more modernized electric system will enable automated meter readings and may enhance our ability to respond to outages faster and more efficiently.

Plus, in the future, you will have access to more detailed energy information through our online Home Energy Analyzer tool that will help you better understand your electricity use – which means you can then make informed decisions on how to manage and control your electricity consumption.

As with any new technology, you may have questions about how a smart meter works. The following FAQs discuss how smart meters use radio frequencies (RF) to provide communication between your meter and our billing system. While there have been some concerns about the potential impact of the RF generated by smart meters, numerous studies have proven that smart meters using RF technologies pose no health risk. For additional information, please visit firstenergycorp.com/PAsmartmeter.

Q. What is radio frequency (RF)?

A. According to the Federal Communications Commission (FCC), "Radio waves and microwaves... are one form of electromagnetic energy. They are collectively referred to as 'radiofrequency' or 'RF' energy."¹ Radio waves are used for telecommunications services. However, most homes already have electric devices that use RF signals, such as cell phones, garage door openers, televisions, microwaves and wireless Internet. Radio waves have been used for communications in highly populated regions for over 100 years. The FCC has established safe limits for exposure. The RFs from smart meters are well below those limits.

¹ Federal Communications Commission Web site, Office of Engineering and Technology, "Radio Frequency Safety," <http://transition.fcc.gov/oet/rfsafety/rf-faqs.html>.

Be assured that the smart meter technology being implemented has been rigorously tested and proven by manufacturers to be accurate, safe and secure in systems throughout the country.

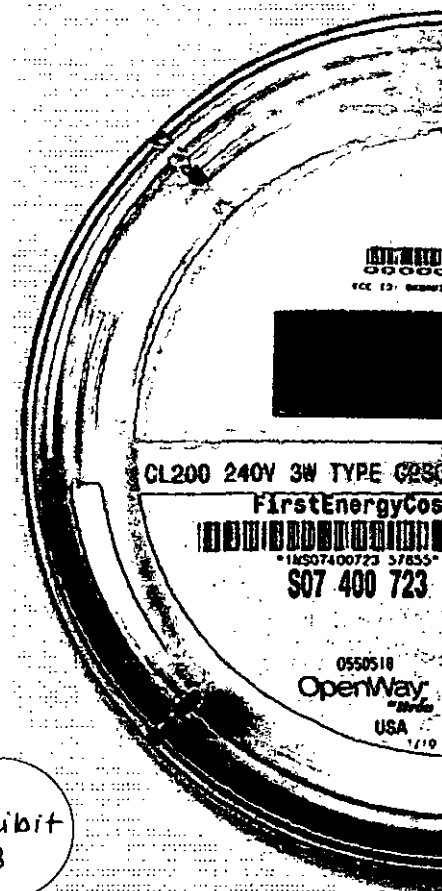


Exhibit
B

Q. How does a smart meter work?

A. Our smart meters send readings electronically to a network of receivers that are installed on poles. Energy consumption data for utility billing purposes is collected and transmitted a few times a day using short, extremely low-power radio transmissions through a wireless network system. These electronic transmissions nearly eliminate the need for meter readers to record your meter's usage because the readings are automated.

Q. Is the RF generated by smart meters hazardous to your health?

A. No.

As with any electric device that utilizes RF, smart meters have been monitored, tested and certified to ensure they meet certain safety standards. The RF exposure levels from smart meters are far below the levels permitted by the FCC, which sets health standards for RF exposure, based on extensive reviews of the biological and health literature.

According to the Electric Power Research Institute, the "relatively weak" strength of the RF signals generated by smart meters means that any impact of RF exposure would be minimal – similar to the levels of the exposure from televisions and radios.²

In fact, smart meters produce significantly less RF exposure than other common electric devices, such as cell phones, baby monitors, wireless routers, laptop computers and microwave ovens.

What's more, RF exposure depends partly on the proximity of the RF source to a person. Smart meters are usually located on the outside of your house in a metal box, away from your daily routine activity. Due to the extremely brief exposure to the radio waves that smart meters produce, there have been no long-term health effects identified as a result of the installation of smart meters, according to a study conducted by the California Council on Science and Technology.³

Q. How does RF exposure from a smart meter compare to other electric devices?

A. RF exposure from a smart meter is far below – and more infrequent – than other common electric devices. In fact, smart meters typically broadcast their signal for less than a minute at a time and usually less than a total of 15 minutes each day. The communication is usually from outside the home, so exposure to radio waves is minimal.

² "An Investigation of Radiofrequency Fields Associated with the Itron Smart Meter," Electric Power Research Institute, December 2010.

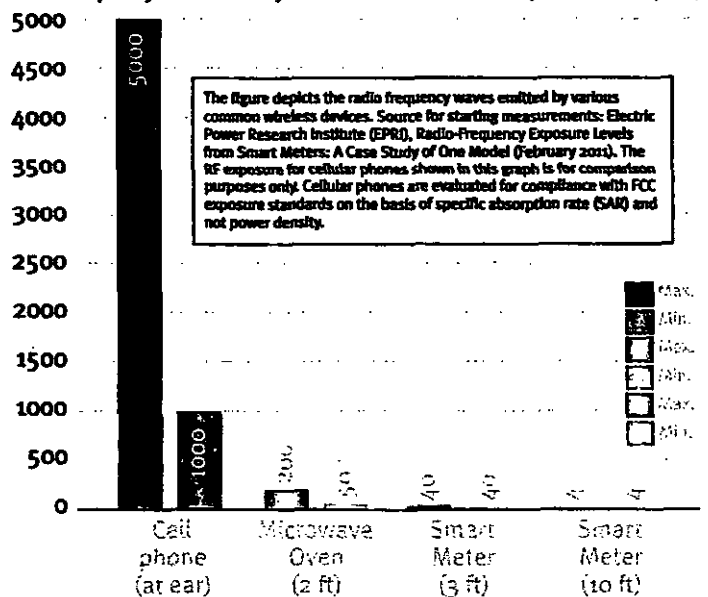
³ "Health Impacts of Radio Frequency Exposure from Smart Meters," California Council on Science and Technology, March 31, 2011.

RF is measured in units of microwatts per square centimeter. A microwatt is very small – one-millionth of a watt.

- Held at your ear, a cell phone's RF signal would be 1,000 to 5,000 microwatts per square centimeter.
- Standing two feet from a microwave oven, the RF signal would be 50 to 200 microwatts per square centimeter.
- Standing 10 feet from a smart meter, the RF signal would be 4 microwatts per square centimeter.

Experts calculate that it would take 30 years of living with a smart meter to receive the same RF exposure that a typical cell phone user receives in just one day.

Radio Frequency Power Density Levels of Common Devices (in microWatts/cm²)



For additional information about our smart meter technology, please visit our website at firstenergycorp.com/PASmartmeter.

Met-Ed®
Penelec®
Penn Power®
West Penn Power®

FirstEnergy Companies

Fire Hazard

1 In researching fire hazards I found several articles and reports from fire chiefs. I am enclosing a copy (marked exhibit C) of a report from the City of Berkeley Fire Department that specifies that a house fire was caused by a smart meter.

2 Please see also the report published on Oct. 21, 2014 by Utility Dive, an industry dashboard designed to keep energy and utility executives connected with information that is critical to their jobs. In the report it states that Fire Chiefs in Reno and Sparks Nevada linked nine fires to smart meters. It also states that PECO replaced 70,000 meters in its territory after a fire in Philadelphia. That hit much closer to home. (Exhibit D) Here's a link to the Pennsylvania fire:

<http://www.buckscountycouriertimes.com/93cf65bb-a298-5978-a88e-464c2f4451e1.html>

3 I also found, a letter from the City Council of Berkeley to the California PUC requesting that the CPUC continue its independent investigation of PG&E's smart meter program, allow consumers to opt out, place a moratorium on the removal, disposal, or permanent alteration of old PG&E meters within the city limits of Berkeley, and consider and installation moratorium as well. (Exhibit E)

4 People have died in these fires and it appears to me that none of the utility companies cares about the tragic loss of life caused by the meters they have installed. This is called reckless endangerment and depraved indifference to the loss of life. Yet Met Ed states on their website that the meters are rigorously tested and that they are safe. That is misleading information that they are pedaling on the public in the hopes that everyone will just shut up and accept their word as the truth.

5 Besides causing fire, these meters have been known to explode. It's been reported that hundreds have been replaced due to explosions and several thousand for other safety issues.

In September of 2014 tens of thousands of defective meters were replaced in AZ,

https://www.oregonlive.com/business/index.ssf/2014/07/pge_replacing_some_electricity.html

In August of 2014 10,000 meters were replaced in Lakeland FL,

<https://www.theledger.com/article/LK/20140826/News/608092163/LL/>

In October of 2014 the CEO of SASK Power resigned following an investigation of a smart meter catastrophe and 105,000 meters were replaced. <https://www.ctvnews.ca/canada/saskpower-ceo-resigns-after-smart-meters-report-1.2072954>

In April of 2015 Stockton CA, hundreds of smart meters exploded

<https://sacramento.cbslocal.com/2015/03/30/stockton-smart-meters-explode-after-truck-causes-power-surge/>


In May 2015 100 meters exploded in Capitola CA

<http://nesaranews.blogspot.com/2015/06/100-more-smart-meters-explode-in.html>

How many more tragedies need to take place before the Utility Commissions say enough is enough?

Privacy

Handwritten notes at the top of the page, possibly including a date or reference number.

NFIRS-1 Basic 	A City of Berkeley Fire Department 05/19/2010 17:57:00 2010-004443 00 <small>Fire Department Date Time Incident Number Shift</small>
	B Street address 2984 COLLEGE AVE Berkeley, CA 94704 <small>Census Tract</small>

C Incident Type Smoke or odor removal	E Dates and Times Alarm Time 05/19/2010 17:57:00 Time Out 05/19/2010 17:59:45 Arrival 05/19/2010 18:03:08 Controlled Cleared 05/19/2010 18:48:51	E Shift and Alarms A 3 <small>Shift Alarm District Alarm Code</small>
D Mutual Aid <small>From To State Incident</small>		E Special Studies

F Actions Taken 1 Investigate 2 Refer to proper authority	G Resources Apparatus Personnel Suppression EMS Other Personnel: Not on Apparatus Total Personnel:	G Estimated Dollar Losses Losses Property \$0 Contents \$0 Pre Incident Value Property \$0 Contents \$0
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H Casualties Deaths Injuries Fire Service 0 0 Civilian 0 0	H Hazardous Materials Release	J Property Use Food and beverage sales, grocery store
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H Detector	I Mixed Property Use
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L Remarks
 E3 responded as single company for "smoking meter" in a restaurant. Investigation revealed the newly installed PG&E smart meter in the kitchen was hot to touch and smoking, with a orange glow inside the meter housing. Power was immediately shut off to the meter. The meter was pulled from its housing, and a small portion of the wall above the meter was taken out to check for possible extension behind the wall where the wires exited the meter. Also investigated was the attic space, where the metal conduit containing electrical wires entered. No extension was noted. PG&E contacted. BC2 noted due to business being shut down, and also Environmental Health was notified by dispatch due to a Dry Chem extinguisher was discharged by employees in the kitchen. A follow up email was sent to Manuel Ramirez of Enviro. Health about the discharged extinguisher in a commercial kitchen. Scene turned over to PG&E.

M Kevin M White <small>Officer in Charge</small>	Apparatus Operator 2243 <small>Rank Assignment</small>	05/19/2010 <small>Date</small>
Kevin M White <small>Member Making Report</small>	Apparatus Operator 2243 <small>Rank Assignment</small>	05/19/2010 <small>Date</small>

Handwritten note: smart meter

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Exhibit
 c

BRIEF

Nevada regulators launch investigation into smart meter fires

By Davide Savenije

Published Oct. 21, 2014

Dive Brief:

- The Nevada Public Utilities Commission voted last week to investigate the safety of smart meters in NV Energy's service territory, the Associated Press reports.
- Fire chiefs in Reno and Sparks had asked the PUC to investigate after linking nine fires back to residential smart meters.
- NV Energy has been ordered to provide regulators with documents and information on meter fires, malfunctions and lawsuits within 60 days. Pat Eagan, senior vice president at NV Energy, said the utility would follow the order, according to the Reno Gazette-Journal.

Dive Insight:

1.1 million smart meters have been installed in NV Energy's service territory since 2011. 70 of those meters have been reported by the utility as "consumed," which means the casing on the meters was either melted or breached.

NV Energy uses meters made by Sensus, the manufacturer whose meters have now been recalled or replaced in Oregon, Pennsylvania and the Canadian province of Saskatchewan. In August, several unexplained fires in SaskPower's service territory in Canada led to the recall of 105,000 Sensus meters.

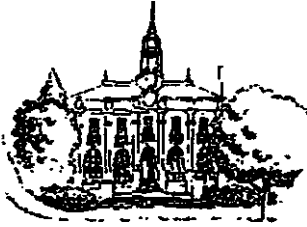
Just before that, three fires in Portland General Electric's service territory led to the replacement of 70,000 Sensus meters. And in 2012, Philadelphia utility PECO replaced Sensus meters in its territory after fires were reported.

Prior to the Nevada investigation, Sensus maintained any meter issues "are systemic in the industry" and are likely due to external factors, according to a statement following the Oregon recall. "The industry, as a whole, has experienced meter issues for years," spokeswoman Laura Palmer told the Oregonian in a statement at the time. "Given that there are more than 40 million meters deployed to date in North America, the failure rates are very low."

Recommended Reading:

 Reno Gazette-Journal

Formal inquiry into smart meter fires begins [↗](#)



Kriss Worthington

Councilmember, City of Berkeley, District 7
2180 Milvia Street, 5th Floor, Berkeley, CA 94704
PHONE 510-981-7170 FAX 510-981-7177 kworthington@ci.berkeley.ca.us

19

CONSENT CALENDAR

June 29, 2010

To: Honorable Mayor and Members of the City Council
From: Councilmember Kriss Worthington
Subject: Follow-up on Smart Meters: City Response to Smart Meter Problems and Preparation of a Letter to the California Public Utilities Commission.

RECOMMENDATION

Take action in responding to Smart Meter problems and send a letter to the California Public Utilities Commission (CPUC), asking for continued investigation of the Pacific Gas & Electric (PG&E) Smart Meter program, requirement of PG&E to submit a characterization study of the system planned to the City of Berkeley, requirement of PG&E to allow consumers to 'opt out' of the program without repercussions, as well as an immediate moratorium on the disposal, recycling, or permanent alteration of old PG&E meters and a call for consideration of a moratorium on the further installation of PG&E Smart Meters.

BACKGROUND

Cities statewide have begun to question the validity of Pacific Gas & Electric's new Smart Meters. PG&E has been installing Smart Meters in Berkeley and many other Californian cities in recent months, and the corporation has come under attack for such reported problems that have come with these Smart Meters, ranging from overbillings and improper data transferrals to fire safety concerns. With such a startling number of new problems arising so quickly, cities like San Francisco, Sebastopol, Camp Meeker, Cotati, Bolinas, and Fairfax have all sent letters to the CPUC demanding and supporting moratoriums on Smart Meter installments in their city limits until Smart Meters can be safely installed without such unintended alleged consequences. Additionally, the entire county of Santa Cruz submitted a similar letter.

The city of Berkeley might well consider sending a similar letter. In order to assure Berkeley residents that any unintended consequences of Smart Meter installment will be avoided, such a letter is direly needed—and soon.

FINANCIAL IMPLICATIONS

None.

CONTACT PERSON

Councilmember Kriss Worthington 510-981-7170
Audrey Gutierrez 510-981-7170

Attached:

1. Letter to President of CPUC.

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E

Michael R. Peevey
President
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Dear Mr. Peevey:

The City of Berkeley writes you today to communicate its displeasure and concern over the installations of Pacific Gas & Electric's Smart Meters. Smart Meters, as you're well aware, have sparked a host of concerns with consumers statewide, relating to the safety, efficacy, and necessity of these new meters.

Our constituents have approached the Berkeley City Council with questions, horror stories, and worries. A resident of Berkeley by the name of Ms. Hill asked PG&E to cease installation of a Smart Meter on her home and was informed that she could not only not opt out of installation, but that "residents had no recourse" when it came to the issue. Also noteworthy is the fact that Berkeley constituents have formed, in conjunction with residents of many other Alameda County cities, Alameda County Residents Concerned About Smart Meters, or ACRCASM. ACRCASM, like other Smart Meter-related groups statewide, has publicized their concerns, many of which echo with the City of Berkeley's aforementioned requests to the CPUC.

Many other Berkeley residents have reported overbilling and overcharging problems. Berkeley residents Ms. Jelinek and Ms. Smith separately submitted to the Council letters affirming that their PG&E bills have significantly increased since the installations of their Smart Meters, as have countless others. The Council has been alarmed as well by the number of consumer complaints streaming in when it comes to such other issues as economic impact, fire safety, security risks and privacy, meter accuracy, improper data transferrals, job losses, and PG&E's remote ability to control consumer usage.

Some such issues run deeply in Berkeley. Fire safety, for one, strikes a nerve to Berkeley residents. Berkeley is a city which has suffered from fire damage in the past—risking further potential for wildfire in the City borders on reckless. With wildfire potential a very real possibility, based on the cases reported in which Smart Meters have been known to malfunction in such a dangerous way as to cause fires, physical safety of Berkeley residents is called into question.

Accuracy of the meters also has been a topic of debate. The vice-president of PG&E, Helen Burt, admitted to the San Francisco Chronicle that 43,000 Smart Meters have had "at least" one type of problem or another. Staggering enough on its own, but the Chronicle also later, on June 21st 2010, published an editorial calling for the immediate cessation of Smart Meter installations until Californian consumer worry is alleviated, and until public satisfaction is gained and meters are deemed fully "accurate". Finally, concern of overbillings remain a priority for the City of Berkeley.

In light of the numerous issues voiced by so many Berkeley and California residents, we request on behalf of the City of Berkeley the following:

Continued Investigation:

That the CPUC continue its independent investigation of PG&E's Smart Meter program.

Characterization Study:

That the CPUC require PG&E to submit a characterization study of the system planned to the City of Berkeley.

'Opt Out' Option:

That the CPUC require PG&E to allow consumers to 'opt out' of the Smart Meter program, without the potential for repercussions to consumers.

Disposal of Meters:

That the CPUC place an immediate moratorium on the removal, disposal, or permanent alteration of old PG&E meters within the city limits of Berkeley.

Consideration of Installation Moratorium:

That the CPUC consider placing a moratorium on installation of PG&E Smart Meters.

Thank you for your time, attention, and consideration.

Sincerely,

1 In regard to my concerns about privacy and hacking, I believe that these meters are a violation of the 4th Amendment of the US Constitution and the 8th Amendment of the Pennsylvania Constitution and here's why. These meters will be tracking our energy usage and will let you, and criminals who hack into them, know when a person is home or not home, how many hours someone watches television, uses their computer; how often they do laundry, use a dish washer, how long they're in the shower, etc. This is information that no one would be able to obtain without a warrant.

2 These meters can be turned off remotely and individual appliances can be turned off as well. What if someone who knows how to hack them decides to play a little game with someone's life and home? In researching privacy issues I found a few important articles that helped me make an informed decision.

3 The Electronic Privacy Information Center cites a list of potential privacy consequences of Smart Grid Systems including, but not limited to, identity theft, activity censorship, profiling, tracking behavior of renters/ leasers, and real-time surveillance. This is being done without our consent and without a warrant and is a violation of our 8th Amendment rights under the Pennsylvania Constitution. The website doesn't allow me to print so here's the link. <https://epic.org/privacy/smartgrid/smartgrid.html>

4 In 2010, the National Institute of Standards and Technology (NIST) published a report identifying privacy issues. They placed them in two categories: privacy concerns that smart meters will reveal the activities of people inside of a home by measuring their electricity usage frequently over time; and fears that inadequate cyber-security measures surrounding the digital transmission of smart meter data will expose it to misuse by authorized and unauthorized users of the data.

5 An article in Security Week dated January 4, 2017, entitled, Smart Meters Pose Security Risks to Consumers, Utilities, they talk about the Zigbee and GMS chips that are used in the meters and their vulnerabilities. Since I couldn't print it to include as an exhibit I'll put the link here.
<https://www.securityweek.com/smart-meters-pose-security-risks-consumers-utilities-researcher>

Hacking Expert David Chalk Joins Urgent Call to Halt Smart Grid

<https://www.businesswire.com/news/home/20120412005992/en/Hacking-Expert-David-Chalk-Joins-Urgent-Call%23.UzkEc8fsvyw>

6 I've been on First Energy's website and read the information they have listed as well, including links to industry studies about RF exposure. However I don't trust industry studies because they're notorious for finding researchers who will say exactly what they want them to say, for a price of course. I alluded to this in my initial complaint when I mentioned tobacco, DDT, and asbestos industry reports.

Discrepancies Regarding Phone Communications with Met Ed

What follows is a record of phone calls. I include this because there were some inconsistencies with the number of phone calls made and received in the objection, and also in what was communicated during those calls.

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1 On September 4th I made my first call. The number on my phone bill took me to First Energy. I stated that I was opposed to having the smart meter installed on my home. The woman I spoke to was very cordial and stated there was no problem, she would note my records. The call lasted 1 minute and 10 seconds. Later that evening, upon reading the letter again and realized that I had missed the part at the bottom that states if I do not accept the smart meter, my power *could* be shut off.

2 On September 5th I called back and the gentleman who answered stated that it had been noted in my record but it was out of First Energy's hands. My information had been sent to Met Ed and I would have to contact them. That call was 3 minutes 47 seconds.

3 On September 6th I called Met Ed at the phone number on the letter I received. After getting sent to two departments I finally spoke with someone in the smart meter department. I explained my concerns and asked a few questions and by the end of the call I still had some serious doubts about smart meters. This call was 41 minutes and 4 seconds

4 On September 10th I received an *incoming* call from an Ohio number. The woman said her name was Denise and that she was calling from Met Ed. She had only one question, which she asked me three times. "Are you refusing the smart meter?" I asked if the call was being recorded. She said it was not. Each time I tried to explain why I didn't want the meter, she asked, "So, are you refusing the smart meter?" After the hearing this for the third time I hung up. That call was 2 minutes and 52 seconds. I took screen shots of all my calls, outgoing and incoming. According to the documents I received on Saturday November 3rd, First Energy claims that after refusing the smart meter again that I said, "I know the law and I will not contact the Commission." This is a blatant lie. I never mentioned "knowing the law" and it wasn't until September 28th 2018, 19 days later, that I was aware that I could contact the Commission. And further, Denise *never* tried to address my concerns as stated in the objection. She simply asked me three times, and not very nicely, if I was refusing the meter.

5 I received another letter from Met Ed dated September 12th saying that my call with Met Ed was disconnected for some unknown reason and that I should call them so they can answer any questions I have about the smart meter and schedule an appointment to have a smart meter installed. Of course the threat to shut my power if I didn't comply was at the bottom. At this point I didn't want to talk to anyone else. I didn't respond. I consider this coercion and I believe that's still a crime in America.

6 In a letter dated September 25th I received a pre-disconnection notice informing me that I had until October 5th to contact Met Ed or the power to my home could be disconnected. In that letter they mentioned Title 66 Pa.1406 so I looked it up. It states:

1406. Termination of utility service.

(a) Authorized termination.—A public utility may notify a customer and terminate service provided to a customer after notice as provided in subsection (b) for any of the following actions by the customer:

- (1) Nonpayment of an undisputed delinquent account.
- (2) Failure to comply with the material terms of a payment arrangement.

(3) Failure to complete payment of a deposit, provide a guarantee of payment or establish credit.

(4) Failure to permit access to meters, service connections or other property of the public utility for the purpose of replacement, maintenance, repair or meter reading.

I always pay my bills on time, you can check my records if you haven't done so already, so I am very sure what they wanted me to see was #4 regarding access to my meter. #4 states, "for the purpose of replacement," however, it does not explicitly say to remove an analog meter to replace it with a dangerous radiation emitting smart meter. Your meter is attached to my house. After researching the legality of Met Ed shutting my service for anything other than non-payment, I found something on the PPUC website about filing a formal complaint to the Commission. This was on September 28th.

7 I was extremely stressed for the next few days thinking that Met Ed would disconnect my power. On September 30th at 1am I went to the hospital by ambulance with a headache unlike any headache I had ever had in my life. I thought it would cause a stroke or could be an aneurism. My pressure was 204/90. I never had high blood pressure but the stress of worrying about my power being shut off was taking a toll on my health. On October 1st I sent in the formal complaint.

8 I was concerned about my power being shut off on October 5th my deadline to contact Met Ed, so I took the initiative to call them on October 3rd. According to the legal team for First Energy, Met Ed called me. This is not factual because I am the one who initiated that phone call and I have my screenshot as proof. This is the second time that the legal team for Met Ed/First Energy fabricated a story. In that call I informed Met Ed that I sent in a formal complaint. The woman I spoke with told me that she didn't show any record that a formal complaint was filed and that Met Ed could still shut off my power.

9 Finally, on October 9th I received a 10 day shut off notice dated October 5th. On the evening of October 9th when I came home from work and found the letter, I called Met Ed to ask if they received notification that I filed a complaint. After being put on a brief hold, I was informed that they received notice and that my power would not be terminated.

Disagree

1 I disagree with the attorney's assessment that my complaint is not necessary in the public interest. My complaint certainly is in public's interest. People are unaware that Met Ed has lied to them about the safety of the meters. Practically everyone I've spoken has little or no knowledge of smart meters. While Met Ed did send out letters informing the public that smart meters would soon be installed, the information they provided about the meter was scant.

2 While I agree that Met Ed was commissioned to develop and implement the smart meter program, I disagree that a customer cannot opt out. Again, going back to HR2200-Section 2807, smart meters are to be installed at the request of a customer. That is not mandatory.

3 From Act 129 on PPUC's website, I'd like to point out that on the first page, last paragraph, it states under policy findings that: *the health, safety and prosperity of the citizens of Pennsylvania are dependent upon the availability of adequate, reliable, affordable, efficient and sustainable electric service at the least cost.* But what if the service Met Ed is providing through installation of smart meters is negatively affecting the health, safety and prosperity of the citizens they serve? And further, since the PPUC states that "the health, safety and prosperity of the citizens are dependent on the availability of...electric service" how can they allow Met Ed to terminate someone's power because they are not satisfied that the meter is safe, especially when that customer has not missed a payment in 25 years?

4 Because the bill was originally an opt-in bill no provision was ever made for an opt-out. Many other states do have opt out programs for their customers but Pennsylvania had rejected the idea. Could that have anything to do with the 200,000,000 grant from the federal government that power companies receive for installing a certain number of meters within a specific timeframe?

Conclusion

Smart meters are not clean, they are not green and because radiation is unseen and the cumulative effects of pulsed radiation are only beginning to be realized, I believe that Met Ed should give its customers the option to keep their analogue meters if they choose to.

I don't expect that Met Ed or the PPUC will be concerned about my trip to the hospital or my son and daughter-in-laws onset of symptoms since the installation of their smart meter. Why would that concern you when you are unconcerned that people have died in fires caused by smart meters. Nevertheless, you're still forging ahead with installations oblivious to the facts.

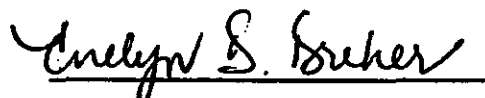
I, Evelyn D. Dreher, submit this document as a Reply to Objection on this 8th day of November 2018. I have tried to answer all the objections, to the best of my ability, put forth by the legal team of Met Ed, however, due to the limited amount of time I have been given (10 days) I am unable to answer all the objections to the fullest.

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Date: November 9, 2018



Evelyn D. Dreher

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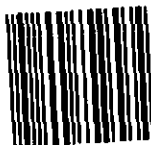
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