

November 19, 2017

**Petition for Rescinding New York Public Service
Commission Decision on Order Denying , In part,
Requests For Modification of Opt-Out Tariff**

Case 14-M-0196

By Stop Smart Meters Woodstock NY (SSMWN) :

ITEM- I INTRODUCTION

A- By Petition dated October 4, 2004, General Electric Company (GE) requested the New York State Public Service Commission (PSC) approval of a line of electric electronic watt-hour meters known as GE-210 Single Meters. Niagara Mohawk Power Corporation submitted a letter of Intent to use the meters in residential and commercial metering applications. In accordance with the State Administrative Act (SAPA) , which SSMWN objects to as being deficient, the petition was noticed in the New York State Register on November 3, 2004 which most Central Hudson customers have never heard of . The comment period expired Dec. 18 ,2004 and no comments were received. Now upon discovering that no comments were received the PSC took no further action to inform the public, whom they are supposed to be serving, that an

important PSC deliberation was taking place and went ahead and approved the installations of microwave emitting devices on peoples homes that could and do affect peoples health without getting their consent, without informing them and without warning them of the imposing transmitting digital meter. The January 25, 2005 four page PSC approval order only discussed the accuracy of the digital GE I-210 meters and not once mentioned anything about the possibility of whether or not there were any health issues associated with said meters.

I, Stephen P. Romine, and my partner, Nicole (Raji) Nevin, members of Stop Smart Meters Woodstock NY group, each have experienced adverse health affects from said digital meters. We are not alone as many other people have experienced various adverse health effects. In Woodstock alone over 1,000+ people signed a Stop Smart Meter Woodstock NY petition requesting an analog output choice and the waiving of the monthly fees in the opt-out program, The town of Woodstock passed resolution #126-2015 called the Electro-Mechanical Analog Utility Meter Opt Out With No Fees aka The Peoples Resolution and was passed with a unanimous vote (4-0). This petition and 1000+ signatures was filed with the PSC July 10, 2015 and August 8, 2016 and posted on 14-M-0196 case page and listed as item #10 and #12. For some reason the PSC never

mentions or refers to this 1,000 people petition and only mentions the 50 signature petition submitted with the Jane Valand resolution (127-2015).

Furthermore the towns of Kingston, Olive and Gardner followed suit and filed similar resolutions to the Peoples Resolution on July, 29, 2016 listed as item #35, #40 and #34 respectively on case 14-M-0196 page. Ulster County filed resolution #315 and Dutchess County also filed a resolution urging the PSC to allow an opt-out. It has taken over two years for the PSC to make a decision on this matter once it received the 1,000 people petition and Peoples Resolution and only issued their order after a lawsuit (17-1284) was filed in New York State Supreme Court involving the New York State Department of Public Service .

B- CONCLUSION: The PSC has been petitioned by a 1,000+ people, urged by four municipalities and two counties to remedy the growing problem of the public being dissatisfied with the Utilities Companies monopolistic power installing digital meters on their homes without notification, warning or consent of the occupant. The public has received obstacles every step of the way trying to resolve this encroachment of their inalienable rights guaranteed by the US constitutional to be secure in their homes without unwanted and

uninvited microwave intrusion. This toxic trespass has affected some more than others and it is we who are demanding that this violation be acknowledged and addressed.

ITEM-II October 20, 2017 PSC issues decision in Case 14-M-0196

A- The crux of the November 20, 2017 PSC order :

"In this order, the commission finds that available research shows solid state meters pose no credible threat to health and safety of Central Hudson customers, nor for that matter, do the AMR meters which they replace. Furthermore electromechanical meter technology is obsolete and currently not in production by any major manufacturer. Offering customers an electromechanical meter is not a long term solution, therefore, the commission declines to order Central Hudson to offer it's customers an analog meter option. "

B- Conclusion ; The PSC has obviously ignored the mountain of growing scientific literature, independent of industry, that documents harm from digital meters. The PSC also ignores the fact that 13 states are using re-manufactured analog meters with none of the problems put forth by Central Hudson to not use them.

ITEM-III The scientific studies, most of which are peer-reviewed, that document harm from high frequency voltage transients which is what is emitted from transmitting and non-transmitting meters

digital meters.

A- Beginning with the solid state opt-out meter (non-transmitting digital meter), it is without doubt that the solid state meter produces high frequency voltage transients aka dirty electricity on the house wiring and can be accurately measured with a micro surge meter. it is without doubt that the electromechanical analog meter, when they were originally manufactured or currently re-manufactured, do not create measurable voltage transients. Voltage transients do in fact cause biological harm as these current scientific studies document :

(Note: All links should all be active. If documents don't come up please paste address into address window , press enter and document should come up)

1- A New Electromagnetic Exposure Metric: High Frequency Voltage Transients Associated With Increased Cancer incidence In Teachers In A California School Sam Milham MD, MPH and Lloyd Morgan BS

<https://www.ncbi.nlm.nih.gov/pubmed/18512243>

2-Dirty Electricity Elevates Blood Sugar Among Electrically Sensitive Diabetics and May Explain Brittle Diabetes Havas PhD.

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Dirty+Electricity+Elevates+Blood+Sugar+Among+Electrically+Sensitive++Diabetics+and+May+Explain+Brittle+Diabetes>

3- Electromagnetic Hypersensitivity: Biological Effects of Dirty Electricity with Emphasis on Diabetes and Multiple Sclerosis. MAGDA HAVAS. , PhD

<https://www.ncbi.nlm.nih.gov/pubmed/17178585>

4- Power Quality Affects Teacher Wellbeing and Student behavior in Three Minnesota Schools Magda Havas PhD and Angela Olstad

<https://www.sciencedirect.com/science/article/pii/S0048969708004634>

5- Evidence That Dirty Electricity Is Causing Worldwide Epidemics of Obesity and Diabetes Milham S. MD, MPH

<https://www.ncbi.nlm.nih.gov/pubmed/23781992>

6- Dirty Electricity, Chronic Stress, Neurotransmitters and Disease

<https://www.ncbi.nlm.nih.gov/pubmed/23323864> Sam Milham Md. MPH

7- Dirty Electricity , Cellular Telephone Base Stations and Neoplasia

<https://www.ncbi.nlm.nih.gov/pubmed/22030248> Sam Milham MD, MPH

B-CONCLUSION: These studies (1 through 7) clearly document that voltage transients aka dirty electricity is a hidden problem that is only now being understood as a real threat to the public. The PSC needs to review the scientific literature prepared by experienced medical/health professionals , who have done the research and make available the choice of remanufactured analog meters to the public.

ITEM-IV The many scientific studies, most of which are peer-

reviewed, documenting the harm of being exposed to low -level electromagnetic radiation , which is emitted from transmitting meters, creating a wide range of adverse biological effects from being exposed to a genotoxic and neurotoxic substance .

A- The studies:

8- Effects of Electromagnetic Fields From Wireless Communication Upon the Blood Brain Barrier

http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec10_2012_Effects_Electromagnetic_Fields_Wireless_Communication.pdf

9- Evidence for Genotoxic Effects (RFR and ELF Genotoxicity)

http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec06_2007_Evidence_For_Genotoxic_Effects.pdf

10- ElectromagneticFields Act via Activation of Voltage-Gated calcium Channels to produce beneficial or Adverse Effects Martin Pall PhD.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3780531/>

11- Electromagnetic Field Effects On Cells of the Immune System: The Role of Calcium Signaling

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3780531/>

12- Autoimmune Processes After Long-Term Low-Level exposure to Electromagnetic Fields Part 4. Oxidative Stress Response to Long-Term Rat Exposure to Non-Thermal RF EMF

<https://link.springer.com/article/10.1134/S0006350910060308?no-access=true> Y.G. Grigeriev et al.

13- Bioinitiative Report 2012 Color Charts Documenting Adverse Effects from Exposures below FCC Standards and in The Non - Thermal Range Listing Peer-Reviewed Studies Next To Every

Adverse Effect.

[http://www.bioinitiative.org/report/wp-content/uploads/pdfs/
BioInitiativeReport-RF-Color-Charts.pdf](http://www.bioinitiative.org/report/wp-content/uploads/pdfs/BioInitiativeReport-RF-Color-Charts.pdf)

**14- Oxidative Mechanisms of Biological Activity Of Low-Intensity
Radio-Frequency Radiation**

[https://ecfsapi.fcc.gov/file/10907060623722/Oxidative%20mechanisms
%20of%20biological%20activity%20of%20low%20intensity
%20radiofrequency%20radiation-1.pdf.pdf](https://ecfsapi.fcc.gov/file/10907060623722/Oxidative%20mechanisms%20of%20biological%20activity%20of%20low%20intensity%20radiofrequency%20radiation-1.pdf.pdf)

**15- Mortality By Neoplasia And Cellular Telephone Base Stations In
The Belo Horizonte Municipality , Minas Gerais State, Brazil**

<http://www.sciencedirect.com/science/article/pii/S0048969711005754>

**16- Self- Reporting Of Symptom Development From Exposure To Radio
Frequency Fields of Wireless Smart Meters- a case series
Frederica Lamech MBBS**

<https://www.ncbi.nlm.nih.gov/pubmed/25478801>

**17- Electromagnetic Fields and DNA Damage
J.L. Phillips, N.P. Singh, H. Lai**

**18- Biological effects of Weak Electromagnetic Fields
Andrew Goldsworthy PhD**

[https://www.scribd.com/document/187354198/The-Biological-Effects-
of-Weak-Electromagnetic-Fields](https://www.scribd.com/document/187354198/The-Biological-Effects-of-Weak-Electromagnetic-Fields)

**19- Fielding A Current Idea: Exploring The Public health Impact Of
Electromagnetic Radiatopn - Stephen J. Genuis May 2006**

<https://www.ntia.doc.gov/legacy/broadbandgrants/comments/6E09.pdf>

**20- 5,000 Peer-reviewed Studies Documenting Adverse Biological
Effects From Exposures to Low Level Electromagnetic Radiation**

<http://www.justproveit.net/studies>

B- CONCLUSION: These studies (8 through 20) clearly demonstrate

that electromagnetic radiation, which is what is emitted from transmitting digital meters, can have adverse biological effects on the human being who for the most part never physically gave consent to the installation of digital meters on their homes. Opting out with another less harmful digital meter is not a solution for many and the PSC needs to take the next step and authorize the use of re-manufactured meters as a real opt-out choice.

ITEM-V The many scientific studies, most of which are peer-reviewed, that document the emerging reality of electrohypersensitivity :

A- The studies:

- 21- McCarty DE et al**, (July 2011) *Electromagnetic hypersensitivity: evidence for a novel neurological syndrome*, Int J Neurosci. 2011 Jul 28. [[View on Pubmed](#)] "EMF hypersensitivity can occur as a bona fide environmentally-inducible neurological syndrome"
- 22- Landgrebe M et al**, (March 2008) *Cognitive and neurobiological alterations in electromagnetic hypersensitive patients: results of a case-control study*, Psychol Med. 2008 Mar 26;:1-11 [[View on Pubmed](#)] "These results demonstrate significant cognitive and neurobiological alterations pointing to a higher genuine individual vulnerability of electromagnetic hypersensitive patients"
- 23- Karinen A et al**, (February 2008) *Mobile phone radiation might alter protein expression in human skin*, BMC Genomics. 2008 Feb 11;9:77 [[View on Pubmed](#)] "This is the first study showing that molecular level changes might take place in human volunteers in response to exposure to RF-EMF. Our study confirms that proteomics screening approach can identify protein targets of RF-EMF in human volunteers."
- 24- Arnetz BB et al**, (2007) *The Effects of 884 MHz GSM Wireless Communication*

Signals on Self-reported Symptom and Sleep (EEG)- An Experimental Provocation Study, PERS Online Vol. 3 No. 7 2007 pp: 1148-1150 [[View Summary on PERS](#)] [[View Full Paper](#)]

"Another study has just been published showing clear evidence that mobile phones can negatively affect human sleep. This study also clearly demonstrates non-thermal responses that cannot be due to a placebo reaction"

25- Abdel-Rassoul G et al, (March 2007) *Neurobehavioral effects among inhabitants around mobile phone base stations*, *Neurotoxicology*. 2007 Mar;28 (2):434-40 [[View on Pubmed](#)]

"Inhabitants living nearby mobile phone base stations are at risk for developing neuropsychiatric problems and some changes in the performance of neurobehavioral functions either by facilitation or inhibition"

26- Landgrebe M et al, (March 2007) *Altered cortical excitability in subjectively electrosensitive patients: results of a pilot study*, *J Psychosom Res*. 2007 Mar;62 (3):283-8 [[View on Pubmed](#)]

"Electrosensitive patients showed reduced intracortical facilitation as compared to both control groups, while motor thresholds and intracortical inhibition were unaffected. This pilot study gives additional evidence that altered central nervous system function may account for symptom manifestation in subjectively electrosensitive patients as has been postulated for several chronic multisymptom illnesses sharing a similar clustering of symptoms"

27- Lin JC & Z Wang, (June 2007) *Hearing of microwave pulses by humans and animals: effects, mechanism, and thresholds*, *Health Phys* 92(6):621-8 [[View on Pubmed](#)]

"Microwave auditory effect is the most widely accepted biological effect of microwave radiation with a known mechanism of interaction: the thermoelastic theory. The phenomenon, mechanism, power requirement, pressure amplitude, and auditory thresholds of microwave hearing are discussed in this paper. A specific emphasis is placed on human exposures to wireless communication fields and magnetic resonance imaging (MRI) coils"

8- Huss A & M Rössli, (October 2006) *Consultations in primary care for symptoms attributed to electromagnetic fields - a survey among general practitioners* *BMC Public Health* 6:267 [[View on Pubmed](#)]

"An overview of the most recent EMF-related consultation per GP (in Switzerland) yielded sleep disorders, headaches and fatigue as the most often reported symptoms and mobile phone base stations, power lines and the own use of mobile phones as the main EMF sources suspected to be associated to symptoms. GPs judged the association between EMF and the symptoms to be plausible in 54% of the cases"

29-Johansson O, (2006) *Electrohypersensitivity: state-of-the-art of a functional impairment*, *Electromagn Biol Med*.2006;25(4):245-58 [[View on Pubmed](#)]

"In summary, it is evident from our preliminary data that various alterations are present in the electrohypersensitive person' skin. In view of recent epidemiological studies, pointing to a correlation between long-term exposure from power-frequent magnetic fields or microwaves and cancer, our data ought to be taken seriously and further analyzed"

30- Hutter HP et al, (May 2006) *Subjective symptoms, sleeping problems, and cognitive performance in subjects living near mobile phone base stations*, *Occup Environ Med.* 2006 May;63(5):307-13 [[View on Pubmed](#)]

"Despite very low exposure to HF-EMF, effects on wellbeing and performance cannot be ruled out, as shown by recently obtained experimental results; however, mechanisms of action at these low levels are unknown"

31- Papageorgiou CC et al, (April 2006) *Acute mobile phone effects on pre-attentive operation*, *Neurosci Lett.* 2006 Apr 10-17;397(1-2):99-103 [[View on Pubmed](#)]

"These findings provide evidence that the MP-EMF emitted by mobile phone affect pre-attentive information processing as it is reflected in P50 evoked potential. The basis of such an effect is unclear, although several possibilities exist and call for potential directions of future research"

32- Rajkovic V et al, (July 2005) *Histological characteristics of cutaneous and thyroid mast cell populations in male rats exposed to power-frequency electromagnetic fields*, *Int J Radiat Biol.* 2005 Jul;81(7):491-9 [[View on Pubmed](#)]

"The results indicate certain alterations of cutaneous and thyroid MC in rats exposed to EMF"

33- Leitgeb N et al, (May 2005) *Does "electromagnetic pollution" cause illness? An inquiry among Austrian general practitioners*, *Wien Med Wochenschr* 155:237-241 [[View on Pubmed](#)]

"An overwhelming percentage of (Austrian) general practitioners (up to 96%) to some degree, or totally, believe in a health-relevant role of environmental electromagnetic fields"

34- Belyaev I et al, (2005) *915 MHz microwaves and 50 Hz magnetic field affect chromatin conformation and 53BP1 foci in human lymphocytes from hypersensitive and healthy persons*, *Bioelectromagnetics.* 2005 Apr;26(3):173-84 [[View on Pubmed](#)]

"In conclusion, 50 Hz magnetic field and 915 MHz microwaves under specified conditions of exposure induced comparable responses in lymphocytes from healthy and hypersensitive donors that were similar but not identical to stress response induced by heat shock"

35- Bortkiewicz A et al, (2004) *Subjective symptoms reported by people living in the vicinity of cellular phone base stations: review*, *Med Pr.* 2004;55(4):345-51 [[View on Pubmed](#)]

"The results of the questionnaire survey reveal that people living in the vicinity of base stations report various complaints mostly of the circulatory system, but also of sleep disturbances, irritability, depression, blurred vision, concentration difficulties, nausea, lack of appetite, headache and vertigo. The performed studies showed the relationship between the incidence of individual symptoms, the level of exposure, and the distance between a residential area and a base station"

36-Oberfeld G et al, (October 2004) *The Microwave Syndrome - Further Aspects of a Spanish Study, Conference Proceedings* [[View Full Paper](#)]

37- Al-Khlaiwi T, Meo SA, (June 2004) *Association of mobile phone radiation with fatigue, headache, dizziness, tension and sleep disturbance in Saudi population*, Saudi Med J. 2004 Jun;25(6):732-6 [[View on Pubmed](#)]

"Based on the results of the present study, we conclude that the use of mobile phones is a risk factor for health hazards and suggest that long term or excessive use of mobile phones should be avoided"

38- Westerman R, Hocking B, (May 2004) *Diseases of modern living: neurological changes associated with mobile phones and radiofrequency radiation in humans*, Neurosci Lett. 2004 May 6;361(1-3):13-6 [[View on Pubmed](#)]

"Some of these observations are not consistent with the prevailing hypothesis that all health effects of RFR arise from thermal mechanisms. It is concluded that RFR from mobile phones can cause peripheral neurophysiological changes in some persons. The effects occur at exposure levels below the present safety levels for RFR. Possible non-thermal mechanisms are discussed and may point to future directions of research"

39- Rööslü M et al, (February 2004) *Symptoms of ill-health ascribed to electromagnetic field exposure – a questionnaire survey* Int J Hyg Environ Health 207(2):141-50 [[View on Pubmed](#)]

"A mean of 2.7 different symptoms were reported. Sleep disorders (58%), headaches (41%), nervousness or distress (19%), fatigue (18%), and concentration difficulties (16%) were most common complaints. Complainants related their symptoms most frequently to exposure to mobile phone base stations (74%), followed by mobile phones (36%), cordless phones (29%) and power lines (27%). No distinct symptoms related to a specific field source could be identified. Eighty-five percent of the people who consulted a public authority because of their symptoms were unsatisfied with the response, whereas consultation of self-help groups or building ecologists usually fulfilled expectations. Two thirds of complainants had taken some action to reduce their symptoms. The most common measure was to avoid exposure if possible. Removing or disconnecting indoor sources was judged to be the most effective action"

40- Navarro EA et al, (December 2003) *The Microwave Syndrome: A Preliminary*

Study in Spain, Electromagn Biol Med 22(2-3): 161-169

- 41- Santini R et al**, (September 2003) *Symptoms experienced by people in vicinity of base stations: III/ Incidences of age, duration of exposure, location of subjects in relation to the antennas and other electromagnetic factors*, *Pathol Biol (Paris)*. 2003 Sep;51(7):412-5 [[View on Pubmed](#)]

"Significant increase ($p < 0.05$) in relation with age of subjects (elder subjects are more sensitive) and also, that the facing location is the worst position for some symptoms studied, especially for distances till 100 m from base stations. No significant difference is observed in the frequency of symptoms related to the duration of exposure (from < 1 year to > 5 years), excepted for irritability significantly increased after > 5 years. Other electromagnetic factors (electrical transformers, radio-television transmitters,...) have effects on the frequency of some symptoms reported by the subjects"

- 42- Caress SM & AC Steinemann** (September 2003) *A review of a two-phase population study of multiple chemical sensitivities* *Environmental Health Perspectives*, 111(12):1490-7 [[View on Pubmed](#)]

"A significant percentage (27.5%) reported that their chemical hypersensitivity was initiated by an exposure to pesticides, whereas an equal percentage (27.5%) attributed it to solvents. Only 1.4% had a history of prior emotional problems, but 37.7% developed these problems after the physical symptoms emerged. This suggests that MCS has a physiologic and not a psychologic etiology"

- 43- Leitgeb N & Schröttner** (September 2003) *Electrosensibility and Electromagnetic Hypersensitivity*, *Bioelectromagnetics*; 24; 387-394 [[View on Pubmed](#)]

"Evidence could be found for the existence of a subgroup of people with significantly increased electrosensibility (hypersensibility) who as a group could be differentiated from the general population"

- 43- Hocking B & Westerman R** (October 2002) *Neurological changes induced by a mobile phone*, *Occup Med (Lond)*. 2002 Oct;52(7):413-5 [[View on Pubmed](#)]

"The case is supportive of a neurological basis for some cases of dysaesthesiae associated with mobile phone use"

- 44- Stenberg B et al**, (October 2002) *Medical and social prognosis for patients with perceived hypersensitivity to electricity and skin symptoms related to the use of visual display terminals*, *Scand J Work Environ Health*. 2002 Oct;28(5):349-57 [[View on Pubmed](#)]

"Patients with hypersensitivity to electricity, particularly women, have extensive medical problems and a considerable number of them stop working. Many patients with skin symptoms related to VDT use have a favorable prognosis. Both groups need early and consistent management"

- 45- Levallois P et al**, (August 2002) *Study of self-reported hypersensitivity to electromagnetic fields in California*, Environ Health Perspect. 2002 Aug;110 Suppl 4:619-23 [[View on Pubmed](#)]
"We report the results of a telephone survey among a sample of 2,072 Californians. Being "allergic or very sensitive" to being near electrical devices was reported by 68 subjects, resulting in an adjusted prevalence of 3.2% (95% confidence interval = 2.8, 3.7). The perception of risk of exposure to EMFs through the use of hair dryers (vs. exposure to power and distribution lines) was the factor the most associated with self-reporting about hypersensitivity to EMFs. However, risk perception was not sufficient to explain the characteristics of people reporting this disorder"
- 46- Santini R et al**, (July 2002) *Investigation on the health of people living near mobile telephone relay stations: II Incidence according to distance and sex*, Pathol Biol (Paris) 2002 Jul;50(6):369-73 [[View on Pubmed](#)]
"Comparisons of complaints frequencies in relation with distance from base station and sex, show significant ($p < 0.05$) increase as compared to people living > 300 m or not exposed to base station, till 300m for tiredness, 200m for headache, sleep disturbance, discomfort, etc. 100m for irritability, depression, loss of memory, dizziness, libido decrease, etc. Women significantly more often than men ($p < 0.05$) complained of headache, nausea, loss of appetite, sleep disturbance, depression, discomfort and visual perturbations. This first study on symptoms experienced by people living in vicinity of base stations shows that, in view of radioprotection, minimal distance of people from cellular phone base stations should not be < 300 m"
- 47- Edelstyn N, Oldershaw A**, (January 2002) *The acute effects of exposure to the electromagnetic field emitted by mobile phones on human attention*, Neuroreport. 2002 Jan 21;13(1):119-21 [[View on Pubmed](#)]
"The experimental group were exposed to an electromagnetic field emitted by a 900 MHz mobile phone for 30 min. Cognitive performance was assessed at three points using six cognitive neuropsychological tests. Significant differences between the two groups were evident after 5 min on two tests of attentional capacity and one of processing speed"
- 48- Johansson et al**, (November 2001) *Cutaneous mast cells are altered in normal healthy volunteers sitting in front of ordinary TVs/PCs - results from open-field provocation experiments*, J Cutan Pathol; 28: 513-519 [[View on Pubmed](#)]
"The present results might lay a foundation to understand the underlying cause of so-called "screen dermatitis" with special reference to mast cells"
- 49- Lyskov E et al**, (November 2001) *Neurophysiological study of patients with perceived "electrical hypersensitivity"* International Journal of Psychophysiology, 42, 233-241 [[View on Pubmed](#)]
"The study investigated baseline neurophysiological characteristics of the central and autonomous regulation and their reactivity to different tests in a group of

persons with so-called 'electrical hypersensitivity'"

- 50- Lyskov E et al**, (October 2001) *Provocation study of persons with perceived electrical hypersensitivity and controls using magnetic field exposure and recording of electrophysiological characteristics* Bioelectromagnetics, 22(7), 457-462 [[View on Pubmed](#)]

"Persons reporting EHS differed from the control subjects in baseline values of investigated physiological characteristics. Perhaps EHS patients have a rather distinctive physiological predisposition to sensitivity to physical and psychosocial environmental stressors"

- 51- Gangi S & Johansson O** (April 2000) *A theoretical model based upon mast cells and histamine to explain the recently proclaimed sensitivity to electric and/or magnetic fields in humans*, Medical Hypotheses, April 2000 54(4), 663-71 [[View on Pubmed](#)]

"We present a theoretical model, based upon observations on EMFs and their cellular effects, to explain the proclaimed sensitivity to electric and/or magnetic fields in humans"

- 52- Freude G et al**, (January 2000) *Microwaves emitted by cellular telephones affect human slow brain potentials*, Eur J Appl Physiol. 2000 Jan;81(1-2):18-27 [[View on Pubmed](#)]

"In addition to the VMT, EMF effects on SP were analysed in two further, less demanding tasks: in a simple finger movement task to elicit a Bereitschaftspotential (BP) and in a two-stimulus task to elicit a contingent negative variation (CNV). In comparison to the VMT, no significant main EMF effects were found in BP and CNV tasks. The results accounted for a selective EMF effect on particular aspects of human information processing, but did not indicate any influence on human performance, well-being and health"

- 53- Bergdahl J et al**, (October 1998) *Odontologic survey of referred patients with symptoms allegedly caused by electricity or visual display units*, Acta Odontol Scand 56(5):303-7 [[View on Pubmed](#)]

"No or low secretion of the minor mucous glands was found in 43% of the patients. One patient showed hypersensitivity to gold and cobalt. The present study showed that various odontologic factors might be involved in some of these patients' suffering"

- 54- Sandstrom M et al**, (January 1997) *Neurophysiological effects of flickering light in patients with perceived electrical hypersensitivity*, J Occup Environ Med. 1997 Jan;39(1):15-22 [[View on Pubmed](#)]

"The sensitivity of the brain to this type of visual stimulation was tested by means of objective electrophysiological methods such as electroretinography and visual evoked potential. A higher amplitude of brain cortical responses at all frequencies of stimulation was found when comparing patients with the control subjects, whereas no differences in retinal responses were revealed"

55- Johansson O et al, (October 1994) *Skin changes in patients claiming to suffer from "screen dermatitis": a two-case open-field provocation study*, Exp Dermatol. 1994 Oct;3(5):234-8 [[View on Pubmed](#)]

"The high number of mast cells present may explain the clinical symptoms of itch, pain, edema and erythema. Naturally, in view of the present public debate, the observed results are highly provocative and, we believe, have to be taken seriously"

55- Excessive Exposure to Radio-frequency Electromagnetic fields may cause the development of electrohypersensitivity - David Carpenter MD

https://www.researchgate.net/publication/269184131_Excessive_Exposure_to_Radiofrequency_Electromagnetic_Fields_May_Cause_the_Development_of_Electrohypersensitivity David Carpenter MD.

B- CONCLUSION: These studies (21 Through 55) clearly document the reality of the electrohypersensitive (EHS) person and how they may have become EHS. They are a growing segment of the public population because of the increased exposures to electromagnetic radiation from the explosive proliferation of wireless devices and need to be acknowledged and accommodated. One way to accommodate them is to supply re-manufactured analog meters as an opt-out choice which 13 other states are doing with no problem.

ITEM-VI The PSC has ignored the current scientific literature which is replete with peer-reviewed studies documenting adverse health effects from exposures to low-level electromagnetic radiation which digital meters produce.

A- There are no peer-reviewed studies demonstrating digital meters are safe and without risk of causing adverse effects and biological harm. Of course there are a few industry studies, which are not peer-reviewed, demonstrating digital meters are safe the same way that for 42 years the Tobacco Industry funded research costing \$220 million dollars, always promoting tobacco was safe till an industry whistleblower revealed the industry knew tobacco was not safe (<http://www.who.int/tobacco/media/en/TobaccoExplained.pdf>) .

B- The many independent scientists who have extensive backgrounds in the medical field and who have documented harm from electromagnetic radiation and voltage transients are consistent with the testimonies of thousands of people that have experienced different levels of biological harm once these digital meters are installed on peoples homes. Included here are 100 testimonies of people speaking to the Michigan House Oversight Committee on 12/02/14 witnessing their opposition to digital meters and the adverse health effects they have experienced :

part 1

<https://www.youtube.com/watch?v=Q12lbEtTrwk&feature=youtu.be>

part 2

<https://www.youtube.com/watch?v=IJE0flyzv-Y>

C- CONCLUSION : The PSC needs to review the current abundant

**scientific literature independent of the wireless/utility Industry
prepared by experienced medical and health professionals.**

**ITEM-VII The PSC relies on articles and studies that use
outdated FCC standards and not authored by experienced health
professionals In the area of electromagnetic radiation exposure and
biological harm. The PSC collaborating with Central Hudson
identifies the same three reports on smart meters/AMR meters
which purports no health effects. They are :**

**A - No Health Threat From Smart Meters by Klaus Bender, PE
Director of Standards and Engineering
Utilities Telecom Council (UTC) :**

**[http://www.nema.org/Technical/Documents/SmartMeter-
NoHealthThreat.pdf](http://www.nema.org/Technical/Documents/SmartMeter-NoHealthThreat.pdf)**

**1-NOTE : Above so called study is only an article in the UTC journal
and not peer-reviewed research and not authored by an experienced
health professional. 40 year environmental consultant Cindy Sage
MS. thoroughly and clearly refutes the whole premise of the report
on Nov. 16, 2010:**

**[https://skyvisionsolutions.files.wordpress.com/2015/11/rebuttal-to-
klaus-bender-by-cindy-sage-2010.pdf](https://skyvisionsolutions.files.wordpress.com/2015/11/rebuttal-to-klaus-bender-by-cindy-sage-2010.pdf)**

B - Federal Communications Commission /Office of Technology and Engineering- Questions and Answers about Biological Effects and Potential Hazards of Radio-Frequency Electromagnetic Fields-OET Bulletin #56 fourth edition August, 1999 :

https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf

1- NOTE: It should be noted that the FCC agency who authored the above report has been labeled a "Captured Agency" of the wireless Industry in a report published by Harvard School of Law/Ethics Dept. which reveals the obvious collusion between the FCC and the wireless Industry. :

http://ethics.harvard.edu/files/center-for-ethics/files/capturedagency_alster.pdf

2-NOTE: Furthermore the standards promulgated by the FCC agency are based on 30 year olds studies that relied on the "thermal threshold" principle that has been proven false by current research. Consultant Cindy Sage details the misgivings of the current FCC standards in two reports:

The Existing Public Exposure Standards

http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec03_2007_Existing_Public_Exposure_Standards.pdf

Evidence For Inadequacy of the Standards

http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec04_2012_Evidence_for_Inadequacy_of_the_Standards.pdf

3- NOTE: The Environmental Protection Agency(EPA) has stated that the FCC has refused to concede to the latest mounting current peer-reviewed research demonstrating non-thermal adverse biological effects where no heating has occurred from exposure. The EPA clearly states " The FCC's exposure guideline is considered protective of effects arising from a thermal mechanism but not from all possible mechanisms. Therefore the generalization by many that the guidelines protect human beings from harm by any or all mechanisms is not justified." The EPA has included the Institute of Electrical Engineers and the International Commission on Non-ionizing Radiation as being deficient in establishing protective standards. The EPA further states " In summary , the current exposure guidelines are based on the effects from whole-body heating, not exposure of and effect on critical organs including the brain and eyes" .

<https://www.emfanalysis.com/wp-content/uploads/2014/10/EPA-Letter-Stating-FCC-Guidelines-are-only-based-on-Thermal-Effects.pdf>

4-- NOTE: On February 7, 2014 The U.S Department of Interior states "The electromagnetic radiation standards used by the Federal Communications Commission continue to be based on

thermal heating , a criterion now clearly 30 years out of date and inapplicable today." (see Enclosure-A in link)

https://www.ntia.doc.gov/files/ntia/us_doi_comments.pdf

5- NOTE: - The President of the American Academy of Pediatrics (60,000 pediatricians) sent a letter to the FCC stating that the"current FCC standards do not account for the unique vulnerability and use patterns specific to pregnant women and children. It is essential that any new standard for cell phone s or other wireless devices be based on protecting the youngest and most vulnerable populations to ensure they are safeguarded throughout their lifetimes."

<https://www.scribd.com/document/104230961/American-Academy-of-Pediatrics-letter-to-the-FCC>

6-NOTE: It should be abundantly clear that adhering to FCC guidelines does not guarantee oneself from harm from electromagnetic radiation .

C - A Perspective on Radio-Frequency Exposure Associated With Residential Automatic Meter Reading Technology:

<http://www.occeweb.com/pu/SMARTGRID/EPRI%20Report.pdf>

1- NOTE: - This Electrical Power research institute (EPRI) report is

prepared by an organization whose mission in life is the "delivery of electricity" as stated on their website. Again we have an industry sponsored organization and not a professional health agency. The errors in this report is detailed by an experienced health professional , Lawrence A. Plumlee M.D., a graduate of Princeton University and John Hopkins University School of Medicine . Dr. Plumlee impressive and lengthy bio is included in the link with his rebuttal of the EPRI report.

<https://www.scribd.com/document/99051036/April-2012-Comment-L-A-Plumlee-M-D>

ITEM-Viii The PSC has been oblivious to the latest pronouncements of World Health Organization eminent researchers and misguided by the erroneous conclusions of engineers who are not health professionals, have no medical background and have a vested interest in the digital meter technologies

A- The World Health Organization Classification of Radio-Frequency Electromagnetic Fields as a Class 2B Possible Carcinogen:

http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf

1- NOTE : it should be noted that Anthony B. Miller M.D , was chief scientist on the World Health Organization's international Agency for Research on Cancer (WHO/IARC) that classified radio-frequency/ electromagnetic fields as "Group-2 possibly carcinogenic" has

given testimony to the Oklahoma Corporation Commission on November 15, 2017 and has issued his 50 year cancer researcher opinion that radio-frequency (RF) radiation from any source- such as the signals emitted by cell phones, other wireless and cordless sensor devices, and wireless networks- fully meets the criteria to be classified as a "Group 1 carcinogenic to humans" agent , based on the scientific evidence associating RF exposure to cancer development and cancer promotion.

<http://www.occupationalcancer.ca/userdetails/anthony-miller/>

<https://www.emfacts.com/2017/08/cancer-expert-declares-cell-phone-and-wireless-radiation-as-carcinogenic-to-humans/>

<https://ehtrust.org/wp-content/uploads/Dr.-Anthony-Miller-Presentation-July-31-2017.pdf>

**B - The California Council on Science and Technology (CCST)
Report : "Health Impacts of Radio Frequency from Smart Meters Jan. 2011"**

<http://ccst.us/publications/2011/2011smart-final.pdf>

1- NOTE : - The following June 30,2011 comment is a comprehensive rebuttal of the assertions of safety by the CCST report. Dr. Karl Maret holds a BA in Science and Electrical Engineering, a Master of Engineering in Biomedical Engineering , and a Medical Doctor Degree and has completed a four year post-

doctoral fellowship in physiology. He has expressed concerns that the "CCST report contains inaccuracies and minimizes the biological effects and health impacts of non-thermal radio-frequency radiation, such as those produced by wireless technologies including smart meters.

<https://michiganstopsmartmeters.files.wordpress.com/2012/02/maret-md.pdf>

2- NOTE : Comments On CCST Report by Dan Hirsch Phd Nuclear Physicist:

<https://michiganstopsmartmeters.files.wordpress.com/2012/02/hirsch-critique-of-ccst-report.pdf>

The CCST report was criticized by experts from around the world. See page 4 of this link:

<http://haltmasmartmeters.org/wp-content/uploads/2013/11/Texas-rebuttal.pdf>

3- NOTE : Comments of an Environmental Consultant on the CCST

Report " This report ignores a fundamental public health principle: prevention of harm through a precautionary approach, based on evidence of harm rather than absolute proof of harm. CCST dismissed the substantial body of evidence indicating that non-thermal effects of radiofrequency radiation (RF) are real and include cancer as well as neurological effects. There are no federal standards for RF exposure based on long-term, chronic exposure or on non-thermal effects, precisely the type of exposure

from smart meters and the most likely to cause human health effects. Even standards for personal wireless devices such as cell phones are based solely on absorbed heat, measured by a unit called the Specific Absorption Rate (SAR).

This report also fails to consider the total exposure to RF, which has increased exponentially because of cell phone antennas and broadcast towers. Wi-Fi networks blanket entire neighborhoods and cities as well as homes, schools, cafes and stadiums. Smart meters add one more layer of involuntary chronic exposure to RF.

It is misleading to compare smart meters to cell phones and other wireless devices that are used voluntarily and that some people choose not to use because of the potential health effects. Mandating wireless smart meters in homes is radiation without representation: an infringement of personal and property rights.

As epidemiologist John Goldsmith wrote in 1995, “There are strong political and economic reasons for wanting there to be no health effect of RF/MW (radio-frequency/microwave) exposure, just as there are strong public health reasons for more accurately portraying the risks. Those of us who intend to speak for public health must be ready for opposition that is nominally but not truly scientific.”² Nancy Evans-

Environmental Consultant

C - Michigan Public Service Staff Report

<http://efile.mpasc.state.mi.us/efile/docs/17000/0455.pdf>

1-NOTE: The Michigan Public Service report relied on the California

Council of Science and Technology report, the Electrical Power Research Institute article , The Utilities telecom Council article which have all been debunked in Item-VI of this (SSMWNV) document . Additionally the Michigan Public Service Commission relies on letters from Lawrence Berkley National Laboratory (LBNL), which is smart meter invested as their publication "Insights from Smart meters: The Potential for Peak-Hour Savings from Behavior-Based programs" written in collaboration with Pacific Gas & Electric demonstrates. LBNL is not an impartial source for information regarding smart digital meters as it is in alliance with the Utilities and Wireless industry. It's authors are examined in page four of this document:

<http://haltmasmartmeters.org/wp-content/uploads/2013/11/Texas-rebuttal.pdf>

D- Public Utilities Commission of Texas Report (PUCT)

http://puc.texas.gov/industry/electric/reports/smartmeter/SmartMeter_RF_EMF_Health_12-14-2012.pdf

1- NOTE: The PUCT report "relied heavily" on the following sources , California Council on Science and technology , The Michigan Public Service Commission report and the Electrical Power Research Institute which have all been debunked in item-VI of this (SSMWNV) document by experienced health professionals who have done the

research on electromagnetic radiation exposures. Included in next link is a concise and comprehensive rebuttal of the PUCT report .

<http://haltmasmartmeters.org/wp-content/uploads/2013/11/Texas-rebuttal.pdf>

E- Vermont Department of Health (VDH) Report on Smart Meters

<http://publicservice.vermont.gov/sites/dps/files/documents/general/VT%20Smart%20Meter%20Health%20Report%202-10-14%20%283%29.pdf>

1- NOTE: - The Electromagnetic Radiation Policy Institute has debunked the conclusions of the VDH with this letter : "EMR Policy Institute : Deficiencies in Vermont Department of Health (VDH) February 10, 2012 Smart Meter Report" :

http://www.emrpolicy.org/files/14mar2012_emrpi_VDH_open_letter_SM_Report.pdf

2- NOTE: This Santa Cruz Department of Health Report on the risks associated with smart meters in effect also debunks the VDH report's conclusions.

<http://emfsafetynetwork.org/wp-content/uploads/2012/01/Santa-Cruz-Public-Health-Official-Smart-Meter-report.pdf>

F- CONCLUSION: Reports and studies prepared by industry rarely say anything other than their products are safe . Medical professionals working in the field are superior to engineers and technicians when studying health issues.

ITEM-IX ANALOG METERS OBSOLETE OR RECYCLABLE

A- The New York Public Service Commission has ignored some basic facts about remanufactured meters. First that there are three companies nationwide that re-manufacture original equipment analog meters and the PSC continues to say analog meters are not manufactured any more or by any major manufacturer. Obviously the demand for analog meters is much smaller than it used to be so the demand supply does not have to be accommodated by a major manufacturer and is being supplied by the companies the PSC has been made aware of. Two of these companies have been remanufacturing analog meters for a combined total of 120 years. Hialeah Meter Company is also a certified GE retail dealer of GE'S new utility meters. Hialeah has a guarantee of two years on their re-manufactured meters. Their meters meet the ANSI C-12 standard as does Texas Meter Company meters. There are approximately 150,000 analog meters still in service in Central Hudson's customer base operating perfectly fine and measuring electrical usage accurately. They require a meter reader as does the non-transmitting digital opt-out meter. The remanufactured analog meters available does surpass the measuring accuracy of the current analog meters in use as the re-manufacturer's literature clearly demonstrate. For these reasons utilities in 13 States which includes, Arizona, California, Colorado, Florida, Georgia, Hawaii, Illinois, Maryland, Nevada, New Mexico, Oregon, Texas* and

Vermont offer an analog opt-out that are using re-manufactured analog meters as an opt-out choice contrary to the imagined problems Central Hudson has put forth why said meters cannot be used. Analog meters are currently so inexpensive that if and when a very rare occurrence of the analog meter needing repaired ever happens, it could be replaced with a new remanufactured meter for \$17.50 (cheaper in bulk) (<http://www.hialeahmeter.com/siphwame.html>) if the repair was beyond the 2 year guarantee period, otherwise replacement would be at no cost. Re-manufactured original equipment analog meters surpass all the PSC regulations that the original equipment analog meters met when they were first manufactured and installed on New York residences and have been in use for many years without any problems and have served the utilities well. Remanufactured meters can do the same job better as all the utilities using them testify.

<http://stopsmartmeters.org/wp-content/uploads/2016/03/OPT-OUT-FEES-analogs-highlighted-1.pdf>
(If link doesn't work google "OPT OUT FEES-analogs highlighted - Stop Smart Meters)

(*Texas not listed in above link page but Austin Energy Utility is listed as a customer of Texas Meter Co. purchasing remanufactured meters as demonstrated on page 16 of sr.#16 Item #57 document in case 14-M-0196)

B- CONCLUSION: Analog meters are available and viable for power customers in New York State as they are in 13 other states.

ITEM-X Ironic Hypocrisy

A- As noted in Item-53 of case 14-M-0196 Sacramento Municipal Utility District (SMUD) and Vermont Department of Health (VDH) and the California Counsel Of ScienceTechnology (CCST) and the Public Service Commission of Texas (PUCT) have been used by the New York PSC to attempt to substantiate some of their claims about analog meters and digital meters in the New York PSC's recent October 20, 2017 decision, to not permit remanufactured analog meters as an opt-out choice . It should be noted that California, Vermont and Texas all allow the use of remanufactured meters in their states .

1- NOTE:Central Hudson misinforms their customers and the public with statements that analogs put out more EMF's than the non-transmitting digital opt-out meters . Like all appliances analog meters produce electric-fields and magnetic-fields which are independent of each other and for the most part are not harmful. Central Hudson and the SMUD study are using the term loosely calling these fields electromagnetic. Proof of that misinformation is the measuring device used in SMUD's mini-study, a Triaxil-Teslatronics-Model-70-Milligauss-meter, states on it's product info page it measures "magnetic-fields" not electromagnetic-fields and certainly not electromagnetic-radiation or voltage-transients which is what health conscious people object being exposed to (<https://www.omega.com/>

Temperature/pdf/HHG-17.pdf).

Electromagnetic-radiation and voltage-transients aka "dirty electricity" which digital meters produce and analogs don't, is an undisputed fact and documented in ITEM III (studies 1 through 7) to cause biological harm . Central Hudson should take note what their analog authority, SMUD, declares on their analog page: "we support an individuals right to chose a meter for their home"

1- NOTE: Sacramento provides re-manufactured analog meters as an opt-out choice in their opt-out program. See sr. #16 Item #57 of case 14-M-019 page

2-Note: Austin Energy Utility of Texas uses remanufactured analog meters . See page 16 of sr. #13 of item # 57 of case 14-M-019 page on .

3- Note: For a list of all states using analog meters as an opt-out please view chart on this link :

<http://stopsmartmeters.org/wp-content/uploads/2016/03/OPT-OUT-FEES-analogs-highlighted-1.pdf>

4- NOTE: If the PSC is going to use these municipalities as authorities to attempt to substantiate it's claims regarding analog and digital meters EMF emissions , the PSC cannot then claim those

municipalities decision to use re-manufactured analog meters is not a valid, viable and reasonable option and not allow New York residents to do the same ?

B- CONCLUSION: Obviously analog meters, remanufactured, are available and being used to service customers in 13 states , so they are not obsolete and are a viable option for the opt-out program in New York State.

ITEM-XI Telecom industries and Insurance companies

acknowledge the potential risk of harm being uncovered from wireless devices and take measures to protect themselves from future litigation and governmental investigation.

<https://ehtrust.org/wp-content/uploads/Telecom-10-K-Liability-and-Insurance-Companies-Slides-EHT-6-2016.pdf>

A- Verizon: "We are subject to a significant amount of litigation, which could require us to pay significant amount of damages or settlements."

B- BlackBerry Unlimited: "There can be no assurance that future studies ,irrespective of their scientific basis , will not suggest a link between electromagnetic fields from mobile phones and adverse effects."

C- AT&T: Unfavorable litigation or governmental investigation results could require us to pay significant amounts"

D- Swiss Re Report 2013: "Unforeseen Consequences of Electromagnetic Fields_ Overall Potential Impact:High- Time Frame: 10 years" and "Over the last decade , the spread of wireless has accelerated enormously...This development has increased exposure...If a direct link [to health effects] were established , it would open the doors for new claims and could ultimately lead to large losses.."

E- Lloyds of London: " The Electromagnetic Fields Exclusion (Exclusion 32) is a General Insurance Exclusion across the market as standard. The purpose of the exclusion is to excluded cover for illnesses caused by continuous long-term non-ionizing radiation exposure i.e.. through mobile phone usage."

F- Zurich Community Care Liability Insurance: We will not pay anything under this policy , including claim expenses, in respect of: Electromagnetic fields any liability of whatsoever nature directly or indirectly caused by , in connection with or contributed by or arising from electromagnetic fields (EMF) or electromagnetic interference (EMI)". EMI is dirty electricity.

G- CONCLUSION : Obviously the Telecom and Insurance Industries do not think exposures to electromagnetic radiation from wireless

devices is absolutely safe as the utilities would have us believe. The Telecom and Insurance industries are obviously preparing for what may be a health crisis on the horizon from the incredible proliferation of wireless devices, smart meters being one of them.

ITEM-XII SSMWNY Petition Demand

A- That the PSC rescind part of it's October 20, 2017 decision against allowing the use of remanufactured analog meters for use on residences as an opt-out choice.

B- That the PSC grant an order for re-manufactured analog meters to be allowed for use in New York State as 13 the states have done.

C That the PSC order Central Hudson to send out all analog meters, removed from it's customers homes , and have them refurbished/ remanufactured and stored for future use in the Hudson valley customer base .

D- That the PSC order Central Hudson to provide an analog opt out choice in their opt-out program for it's customers.

E- CONCLUSION: Stop Smart Meters Woodstock NY representing the people of Woodstock and all New Yorkers who believe they have a right to be free from devices that pose a risk of harm in or on their homes and properties and hold high the value of living life in good

health , have presented the PSC with it's petition and demands. We pray the PSC will do the right thing and respect our inalienable rights guaranteed by the US Constitution specifically stated that "The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated" and US Code 42 Section 1983 which states "Every person who, under color of any statute, ordinance, regulation, custom, or usage, of any State or Territory or the District of Columbia, subjects, or causes to be subjected, any citizen of the United States or other person within the jurisdiction thereof to the deprivation of any rights, privileges, or immunities secured by the Constitution and laws, shall be liable to the party injured in an action at law, suit in equity, or other proper proceeding for redress. and honor our right to be secure in our homes free from microwave intrusion and toxic trespass and the right to a time tested safe analog utility meter as an opt-out choice in New York State.

**Stephen P. Romine
Stop Smart Meters Woodstock NY
P.O Box 657 Woodstock
New York 12498
845-532-5120**

